Chapter 4 - NIMS Observation Summaries

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Introduction to Chapter 4

This chapter summarizes the NIMS C9 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 C9 Sequence. The information in this summary is derived from the C9 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 C9 data. It is also derived from the C9 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

Sequence:	C09A-AR	Created: 7/9/97	Begin: 97-173/16:00:00 Finish: 97-180/16:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	97	173	15:59:59.733		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,010,877:87:0
2	**97**	**173**	**16:00:00.000**	**20AEEV**	**37IST**	**Initial Condition**		**4O0**	**4**	**0**	**4,010,877:87:4**
3	**97**	**173**	**16:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**4,010,877:87:4**
4	**97**	**173**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,010,877:87:4**
5	**97**	**173**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**4,010,877:87:4**
6	**97**	**173**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,010,877:87:4**
7	**97**	**173**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,010,877:87:4**
8	**97**	**173**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,010,877:87:4**
9	**97**	**173**	**16:00:00.000**	**20A3FE**	**40T1P**	**Initial Condition**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,010,877:87:4**
10	**97**	**173**	**16:00:00.000**	**20A3FF**	**40T2**	**Initial Condition**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,010,877:87:4**
11	**97**	**173**	**16:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**4,010,877:87:4**
12	97	173	16:00:59.733	20OA6A	6HICON			4O0	4	0	4,010,878:86:0
13	**97**	**173**	**16:01:01.733**	**432JA6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4O0**	**4**	**0**	**4,010,878:89:0**
14	97	173	16:01:02.400	432JA431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,010,878:90:0
15	**97**	**173**	**16:01:03.066**	**432JA6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**4O0**	**4**	**0**	**4,010,879:00:0**
16	97	173	16:01:03.066	432JA6C	6RTSL1		R/T Select of DDS and	4O0	4	0	4,010,879:00:0
17	97	173	16:01:43.733	488A6A	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	4O0	4	0	4,010,879:61:0
18	97	173	16:04:59.733	418SA6B	6BUFHI	10	MUB Buffer high water	4O0	4	0	4,010,882:82:0
19	97	173	16:04:59.733	418SA6A	6BUFLO	2	MUB Buffer low water m	4O0	4	0	4,010,882:82:0
20	97	173	16:04:59.733	41WA99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	4O0	4	0	4,010,882:82:0
21	**97**	**173**	**16:05:03.733**	**41WA3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,010,882:88:0**
22	**97**	**173**	**16:05:13.733**	**41WA3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,010,883:12:0**
23	**97**	**173**	**16:05:23.733**	**41WA3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,010,883:27:0**
24	**97**	**173**	**16:05:33.733**	**41WA3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,010,883:42:0**
25	97	173	16:06:59.733	432OY6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,010,884:80:0
26	97	173	16:09:23.066	488A6B	6TMSED	FILL,IL8	Sci, Eng, and D/L Chan	4O0	4	0	4,010,887:22:0
27	97	173	16:29:59.733	444UA443A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4O0	4	0	4,010,907:57:0
28	97	173	16:32:48.400	488A6C	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	4O0	4	0	4,010,910:37:0
29	97	173	16:43:30.400	165BA4A	7SCAN	NORM,221.681999,	Check S/P Position	4O0	4	0	4,010,920:90:0
30	97	173	16:44:31.733	465TZ6A	6DMST	6000	DMS Slew to TIC	4O0	4	0	4,010,922:00:0
31	97	173	16:44:31.733		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,010,922:00:0
32	97	173	16:44:31.733		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,010,922:00:0
33	97	173	16:44:31.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,010,922:00:0
34	97	173	16:44:38.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,010,922:10:0
35	97	173	16:44:39.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	4,010,922:12:1
36	97	173	20:45:00.400	282NO432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,011,159:76:0
37	97	173	20:45:01.066	282NO432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,011,159:77:0
38	97	173	20:45:59.733	488A6D	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	4O0	4	0	4,011,160:74:0
39	97	173	21:06:47.733	488A6E	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	4O0	4	0	4,011,181:35:0
40	97	173	21:47:19.733	488B6A	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	4,011,221:43:0
41	97	173	22:47:03.733	488B6B	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,011,280:50:0
42	97	173	23:36:47.200		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *5997.94 +/-	4O0	4	0	4,011,329:66:2
43	97	173	23:36:48.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5998.00 +/-	4O0	4	0	4,011,329:68:0
44	97	173	23:59:35.733	488B6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,011,352:26:0
45	97	174	00:15:52.400	488B6D	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,011,368:35:0
46	97	174	00:44:58.400	488B6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,011,397:15:0
47	97	174	00:59:59.733	481UA4A	7VECT		Inert vect update UTC	4O0	4	0	4,011,412:02:0
48	97	174	01:00:50.400	481UC4A	7VECT		Inert vect update UTC	4O0	4	0	4,011,412:78:0
49	97	174	06:02:15.666	488C6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,011,710:88:0
50	97	174	06:11:00.333	488C6B	6TMSED	NORM,EH4	Sci, Eng, and D/L Chan	4O0	4	0	4,011,719:56:0
51	97	174	06:13:00.333	41VA99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	4O0	4	0	4,011,721:54:0
52	**97**	**174**	**06:14:54.333**	**41VA3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,011,723:43:0**
53	**97**	**174**	**06:15:04.333**	**41VA3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,011,723:58:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
54	**97**	**174**	**06:15:14.333**	**41VA3I**	**40T2**		**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,011,723:73:0**	
55	**97**	**174**	**06:15:24.333**	**41VA3J**	**40T2**		**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,011,723:88:0**	
56	97	174	06:25:43.666	488C6C	6TMSED	NORM,EH5		Sci, Eng, and D/L Chan	4O0	4	0	4,011,734:16:0	
57	97	174	07:19:03.666	488C6D	6TMSED	NORM,EH6		Sci, Eng, and D/L Chan	4O0	4	0	4,011,786:84:0	
58	97	174	07:27:13.666	488C6E	6TMSED	FILL,EH6		Sci, Eng, and D/L Chan	4O0	4	0	4,011,795:00:0	
59	97	174	07:54:03.000	488D6A	6TMSED	NORM,EH6		Sci, Eng, and D/L Chan	4O0	4	0	4,011,821:48:0	
60	97	174	11:16:18.333	488D6B	6TMSED	FILL,EH6		Sci, Eng, and D/L Chan	4O0	4	0	4,012,021:51:0	
61	97	174	11:18:00.333	41WB99A	**POWER**	**PWR MODE change**		**Change to Data Taking Mode**	4O0	4	0	4,012,023:22:0	
62	**97**	**174**	**11:18:04.333**	**41WB3A**	**40T1PR**		**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,012,023:28:0**	
63	**97**	**174**	**11:18:14.333**	**41WB3B**	**40T1PR**		**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,012,023:43:0**	
64	**97**	**174**	**11:18:24.333**	**41WB3C**	**40T2R**		**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,012,023:58:0**	
65	**97**	**174**	**11:18:34.333**	**41WB3D**	**40T2R**		**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,012,023:73:0**	
66	97	174	11:19:00.333	488D6C	6TMSED	FILL,EL6		Sci, Eng, and D/L Chan	4O0	4	0	4,012,024:21:0	
67	97	174	11:20:07.666	488D6D	6TMSED	FILL,EL8		Sci, Eng, and D/L Chan	4O0	4	0	4,012,025:31:0	
68	97	174	11:21:47.666	488D6E	6TMSED	NORM,EL8		Sci, Eng, and D/L Chan	4O0	4	0	4,012,026:90:0	
69	97	174	11:26:51.000	432OQ431A6A	6RCDSL	DDSNCG,PLSNCG,EP		Record Deselect (DDS o	4O0	4	0	4,012,031:90:0	
70	97	174	11:26:51.666	432OQ6A	6RTSL1			R/T Select of DDS and	4O0	4	0	4,012,032:00:0	
71	97	174	11:30:00.333	282NP432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP		Record Deselect (DDS o	4O0	4	0	4,012,035:10:0	
72	97	174	11:30:00.333	488E6A	6TMSED	NORM,IL8		Sci, Eng, and D/L Chan	4O0	4	0	4,012,035:10:0	
73	97	174	11:30:01.000	282NP432A6A	6RTSL1			R/T Select of DDS and	4O0	4	0	4,012,035:11:0	
74	97	174	11:34:05.000	20KA4A	**7SAFE**	**UNSTOW**		**S/P TO 153 deg cone**	4O0	4	0	4,012,039:13:0	
75	97	174	11:39:59.666	165BB4A	7SCAN	NORM,214.214998,		Check S/P Position	4O0	4	0	4,012,044:90:0	
76	97	174	21:00:00.333	488F6A	6TMSED	NORM,EL8		Sci, Eng, and D/L Chan	4O0	4	0	4,012,598:77:0	
77	97	174	21:02:31.666	488F6B	6TMSED	NORM,EL7		Sci, Eng, and D/L Chan	4O0	4	0	4,012,601:31:0	
78	97	174	21:15:00.333	282NQ432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP		Record Deselect (DDS o	4O0	4	0	4,012,613:62:0	
79	97	174	21:15:01.000	282NQ432A6A	6RTSL1			R/T Select of DDS and	4O0	4	0	4,012,613:63:0	
80	97	174	21:47:19.666	488F6C	6TMSED	NORM,EL6		Sci, Eng, and D/L Chan	4O0	4	0	4,012,645:59:0	
81	97	174	22:47:03.666	488F6D	6TMSED	NORM,EL4		Sci, Eng, and D/L Chan	4O0	4	0	4,012,704:66:0	
82	97	174	23:55:19.666	488F6E	6TMSED	NORM,EL5		Sci, Eng, and D/L Chan	4O0	4	0	4,012,772:22:0	
83	97	175	00:10:44.333	488G6A	6TMSED	FILL,EL5		Sci, Eng, and D/L Chan	4O0	4	0	4,012,787:44:0	
84	97	175	00:39:50.333	488G6B	6TMSED	NORM,EL5		Sci, Eng, and D/L Chan	4O0	4	0	4,012,816:24:0	
85	97	175	05:57:59.666	488G6C	6TMSED	NORM,EL4		Sci, Eng, and D/L Chan	4O0	4	0	4,013,130:84:0	
86	97	175	06:19:19.666	488H6A	6TMSED	NORM,EL5		Sci, Eng, and D/L Chan	4O0	4	0	4,013,152:02:0	
87	97	175	07:14:47.666	488H6B	6TMSED	NORM,EL6		Sci, Eng, and D/L Chan	4O0	4	0	4,013,206:80:0	
88	97	175	07:22:05.666	488H6C	6TMSED	FILL,EL6		Sci, Eng, and D/L Chan	4O0	4	0	4,013,214:09:0	
89	97	175	07:48:55.000	488H6D	6TMSED	NORM,EL6		Sci, Eng, and D/L Chan	4O0	4	0	4,013,240:57:0	
90	97	175	10:45:00.266	282NR432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP		Record Deselect (DDS o	4O0	4	0	4,013,414:71:0	
91	97	175	10:45:00.933	282NR432A6A	6RTSL1			R/T Select of DDS and	4O0	4	0	4,013,414:72:0	
92	97	175	11:00:00.266	488H6E	6TMSED	NORM,IL6		Sci, Eng, and D/L Chan	4O0	4	0	4,013,429:56:0	
93	97	175	11:16:18.266	488I6A	6TMSED	FILL,IL6		Sci, Eng, and D/L Chan	4O0	4	0	4,013,445:67:0	
94	97	175	11:20:07.600	488I6B	6TMSED	FILL,IL8		Sci, Eng, and D/L Chan	4O0	4	0	4,013,449:47:0	
95	97	175	11:21:47.600	488I6C	6TMSED	NORM,IL8		Sci, Eng, and D/L Chan	4O0	4	0	4,013,451:15:0	
96	97	175	12:24:08.266	488I6D	6TMSED	FILL,IL8		Sci, Eng, and D/L Chan	4O0	4	0	4,013,512:75:0	
97	97	175	12:47:32.933	488I6E	6TMSED	NORM,IL8		Sci, Eng, and D/L Chan	4O0	4	0	4,013,535:89:0	
98	97	175	15:00:00.266	488J6A	6TMSED	NORM,HL8		Sci, Eng, and D/L Chan	4O0	4	0	4,013,666:89:0	
99	97	175	18:09:06.266	465KA6A	6DMST		1085	DMS Slew to TIC	4O0	4	0	4,013,854:00:0	
100	97	175	18:09:06.266		DMS:	: *SLEW-TIC		P7, TRACK *2, *REV, TIC 5998.00 +/-	4O0	4	0	4,013,854:00:0	
101	97	175	18:09:06.266		DMS:	: *US-RUNUP		P7, TRACK *1, *FWD, TIC 5998.00 +/-	4O0	4	0	4,013,854:00:0	
102	97	175	18:09:07.666		DMS:	: *US_AT_SP		P7, TRACK 1, FWD, TIC *5998.12 +/-	4O0	4	0	4,013,854:02:1	
103	97	175	18:09:12.933		DMS:	: *US_RD		P7, TRACK 1, FWD, TIC *5999.35 +/-	4O0	4	0	4,013,854:10:0	
104	97	175	18:09:14.133		DMS:	: *RUNUP		P7, TRACK *2, *REV, TIC *5999.41 +/-	4O0	4	0	4,013,854:11:8	
105	97	175	18:09:15.533		DMS:	: *AT_SPD		P7, TRACK 2, REV, TIC *5999.29 +/-	4O0	4	0	4,013,854:13:9	
106	97	175	19:10:04.933	20KB4A	**7SAFE**	**UNSTOW**		**S/P TO 153 deg cone**	4O0	4	0	4,013,914:28:0	
107	97	175	20:32:39.600	488J6B	6TMSED	NORM,HL7		Sci, Eng, and D/L Chan	4O0	4	0	4,013,995:89:0	
108	97	175	21:00:00.266	282NS432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP		Record Deselect (DDS o	4O0	4	0	4,014,023:02:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	97	175	21:00:00.933	282NS432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,014,023:03:0	
110	97	175	21:02:31.600	488K6A	6TMSED	NORM,HL6	Sci, Eng, and D/L Chan	4O0	4	0	4,014,025:47:0	
111	97	175	21:45:00.266	488K6B	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	4,014,067:48:0	
112	97	175	22:12:55.600	488K6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,014,095:13:0	
113	97	175	22:42:47.600	488K6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,014,124:62:0	
114	97	175	23:42:50.266	488K6E	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,014,184:06:0	
115	97	175	23:58:33.733		DMS:	**: *RUNDOWN**	P7, TRACK 2, REV, TIC *1087.06 +/-	4O0	4	0	4,014,199:56:2	
116	97	175	23:58:34.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1087.00 +/-	4O0	4	0	4,014,199:58:0	
117	97	176	00:03:59.600	165CB4A	7SCAN	NORM,231.283998,	Check S/P Position	4O0	4	0	4,014,204:90:0	
118	97	176	00:04:00.266		DMS:	: READY	RDY, TRACK *4, REV, TIC 1087.00 +/-	4O0	4	0	4,014,205:00:0	
119	97	176	00:04:00.266	465KB6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,014,205:00:0	
120	97	176	00:08:01.600	165CB4B	7VECT		Inert vect update UTC	4O0	4	0	4,014,208:89:0	
121	97	176	00:08:07.600	488L6A	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,014,209:07:0	
122	97	176	00:39:42.933	488L6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,014,240:29:0	
123	97	176	01:49:08.933	165GA4A	7SCAN	NORM,204.585999,	Check S/P Position	4O0	4	0	4,014,308:90:0	
124	97	176	01:53:02.933	117GA	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	4,014,312:77:0	
125	97	176	01:53:12.266	176GA6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4O0	4	0	4,014,313:00:0	
126	97	176	01:53:12.266	117GA105A106A4A	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,313:00:0	
127	97	176	01:56:14.266	117GA105A106B4A	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,316:00:0	
128	97	176	01:56:25.600	117GA105A106B4B	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,316:17:0	
129	97	176	01:59:27.600	117GA105A106B4C	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,319:17:0	
130	97	176	01:59:38.933	117GA105A106B4D	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,319:34:0	
131	97	176	02:02:40.933	117GA105A106B4E	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,322:34:0	
132	97	176	02:02:52.266	117GA105A106B4F	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,322:51:0	
133	97	176	02:05:54.266	117GA105A106B4G	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,325:51:0	
134	97	176	02:06:05.600	117GA105A106B4H	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,325:68:0	
135	97	176	02:09:07.600	117GA105A106B4I	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,328:68:0	
136	97	176	02:09:18.933	117GA105A106B4J	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,328:85:0	
137	97	176	02:10:24.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,014,330:02:0	
138	97	176	02:10:24.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1087.00 +/-	4O0	4	0	4,014,330:02:0	
139	97	176	02:10:26.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1087.12 +/-	4O0	4	0	4,014,330:04:1	
140	97	176	02:10:31.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1088.35 +/-	4O0	4	0	4,014,330:12:0	
141	97	176	02:10:32.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1088.41 +/-	4O0	4	0	4,014,330:13:8	
142	97	176	02:10:34.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1088.29 +/-	4O0	4	0	4,014,330:15:9	
143	97	176	02:11:00.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1082.18 +/-	4O0	4	0	4,014,330:55:0	
144	97	176	02:11:22.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,014,330:89:0	
145	97	176	02:11:22.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1076.87 +/-	4O0	4	0	4,014,330:89:0	
146	97	176	02:11:24.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1076.81 +/-	4O0	4	0	4,014,330:90:8	
147	97	176	02:12:20.933	117GA105A106B4K	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,331:85:0	
148	97	176	02:12:32.266	117GA105A106B4L	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,332:11:0	
149	97	176	02:15:34.266	117GA105A106B4M	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,335:11:0	
150	97	176	02:15:45.600	117GA105A106B4N	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,335:28:0	
151	97	176	02:18:47.600	117GA105A106B4O	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,338:28:0	
152	97	176	02:18:58.933	117GA105A106B4P	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,338:45:0	
153	97	176	02:22:00.933	117GA105A106B4Q	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,341:45:0	
154	97	176	02:22:12.266	117GA105A106B4R	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,341:62:0	
155	97	176	02:25:14.266	117GA105A106B4S	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,344:62:0	
156	97	176	02:25:25.600	117GA105A106B4T	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,344:79:0	
157	97	176	02:28:16.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,014,347:62:0	
158	97	176	02:28:16.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1076.81 +/-	4O0	4	0	4,014,347:62:0	
159	97	176	02:28:17.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1076.93 +/-	4O0	4	0	4,014,347:64:1	
160	97	176	02:28:22.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1078.17 +/-	4O0	4	0	4,014,347:72:0	
161	97	176	02:28:24.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1078.23 +/-	4O0	4	0	4,014,347:73:8	
162	97	176	02:28:25.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1078.11 +/-	4O0	4	0	4,014,347:75:9	
163	97	176	02:28:27.600	117GA105A106B4U	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,347:79:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	97	176	02:28:38.933	117GA105A106B4V	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,348:05:0	
165	97	176	02:28:50.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1072.15 +/-	4O0	4	0	4,014,348:23:0	
166	97	176	02:29:13.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1066.84 +/-	4O0	4	0	4,014,348:57:0	
167	97	176	02:29:13.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,014,348:57:0	
168	97	176	02:29:14.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1066.78 +/-	4O0	4	0	4,014,348:58:8	
169	97	176	02:31:40.933	117GA105A106B4W	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,351:05:0	
170	97	176	02:31:52.266	117GA105A106B4X	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,351:22:0	
171	97	176	02:34:54.266	117GA105A106B4Y	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,354:22:0	
172	97	176	02:35:05.600	117GA105A106B4Z	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,354:39:0	
173	97	176	02:38:07.600	117GA105A106B4AA	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,357:39:0	
174	97	176	02:38:18.933	117GA105A106B4AB	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,357:56:0	
175	97	176	02:41:20.933	117GA105A106B4AC	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,360:56:0	
176	97	176	02:41:32.266	117GA105A106B4AD	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,360:73:0	
177	97	176	02:44:34.266	117GA105A106B4AE	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,363:73:0	
178	97	176	02:44:45.600	117GA105A106B4AF	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,363:90:0	
179	97	176	02:46:07.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1066.78 +/-	4O0	4	0	4,014,365:31:0	
180	97	176	02:46:07.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,014,365:31:0	
181	97	176	02:46:09.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1066.90 +/-	4O0	4	0	4,014,365:33:1	
182	97	176	02:46:14.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1068.14 +/-	4O0	4	0	4,014,365:41:0	
183	97	176	02:46:15.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1068.20 +/-	4O0	4	0	4,014,365:42:8	
184	97	176	02:46:16.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1068.08 +/-	4O0	4	0	4,014,365:44:9	
185	97	176	02:46:42.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1062.12 +/-	4O0	4	0	4,014,365:83:0	
186	97	176	02:47:04.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,014,366:26:0	
187	97	176	02:47:04.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1056.81 +/-	4O0	4	0	4,014,366:26:0	
188	97	176	02:47:06.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1056.75 +/-	4O0	4	0	4,014,366:27:8	
189	97	176	02:47:47.600	117GA105A106B4AG	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,366:90:0	
190	97	176	02:47:58.933	117GA105A106B4AH	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,367:16:0	
191	97	176	02:51:00.933	117GA105A106B4AI	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,370:16:0	
192	97	176	02:51:12.266	117GA105A106B4AJ	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,370:33:0	
193	97	176	02:54:14.266	117GA105A106B4AK	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,373:33:0	
194	97	176	02:54:25.600	117GA105A106B4AL	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,373:50:0	
195	97	176	02:57:27.600	117GA105A106B4AM	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,376:50:0	
196	97	176	02:57:38.933	117GA105A106B4AN	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,376:67:0	
197	97	176	03:00:40.933	117GA105A106B4AO	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,379:67:0	
198	97	176	03:00:52.266	117GA105A106B4AP	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,379:84:0	
199	97	176	03:03:54.266	117GA105A106B4AQ	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,382:84:0	
200	97	176	03:03:58.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,014,383:00:0	
201	97	176	03:03:58.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1056.75 +/-	4O0	4	0	4,014,383:00:0	
202	97	176	03:04:00.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1056.87 +/-	4O0	4	0	4,014,383:02:1	
203	97	176	03:04:05.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1058.10 +/-	4O0	4	0	4,014,383:10:0	
204	97	176	03:04:05.600	117GA105A106B4AR	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,383:10:0	
205	97	176	03:04:06.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1058.16 +/-	4O0	4	0	4,014,383:11:8	
206	97	176	03:04:08.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1058.04 +/-	4O0	4	0	4,014,383:13:9	
207	97	176	03:04:33.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1052.09 +/-	4O0	4	0	4,014,383:52:0	
208	97	176	03:04:56.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,014,383:86:0	
209	97	176	03:04:56.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1046.78 +/-	4O0	4	0	4,014,383:86:0	
210	97	176	03:04:57.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1046.72 +/-	4O0	4	0	4,014,383:87:8	
211	97	176	03:07:07.600	117GA105A106B4AS	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,386:10:0	
212	97	176	03:07:18.933	117GA105A106B4AT	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,386:27:0	
213	97	176	03:10:20.933	117GA105A106B4AU	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,389:27:0	
214	97	176	03:10:32.266	117GA105A106B4AV	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,389:44:0	
215	97	176	03:13:34.266	117GA105A106B4AW	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,392:44:0	
216	97	176	03:13:45.600	117GA105A106B4AX	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,392:61:0	
217	97	176	03:16:47.600	117GA105A106B4AY	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,395:61:0	
218	97	176	03:16:58.933	117GA105A106B4AZ	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,395:78:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	97	176	03:20:00.933	117GA105A106B4BA	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,398	78:0
220	97	176	03:20:12.266	117GA105A106B4BB	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,399	04:0
221	97	176	03:21:50.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1046.72 +/-	4O0	4	0	4,014,400	60:0
222	97	176	03:21:50.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,014,400	60:0
223	97	176	03:21:51.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1046.84 +/-	4O0	4	0	4,014,400	62:1
224	97	176	03:21:56.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1048.07 +/-	4O0	4	0	4,014,400	70:0
225	97	176	03:21:58.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1048.13 +/-	4O0	4	0	4,014,400	71:8
226	97	176	03:21:59.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1048.01 +/-	4O0	4	0	4,014,400	73:9
227	97	176	03:22:24.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1042.06 +/-	4O0	4	0	4,014,401	21:0
228	97	176	03:22:47.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,014,401	55:0
229	97	176	03:22:47.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1036.75 +/-	4O0	4	0	4,014,401	55:0
230	97	176	03:22:48.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1036.69 +/-	4O0	4	0	4,014,401	56:8
231	97	176	03:23:14.266	117GA105A106B4BC	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,402	04:0
232	97	176	03:23:25.600	117GA105A106B4BD	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,402	21:0
233	97	176	03:26:27.600	117GA105A106B4BE	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,405	21:0
234	97	176	03:26:38.933	117GA105A106B4BF	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,405	38:0
235	97	176	03:29:40.933	117GA105A106B4BG	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,408	38:0
236	97	176	03:29:52.266	117GA105A106B4BH	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,408	55:0
237	97	176	03:32:54.266	117GA105A106B4BI	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,411	55:0
238	97	176	03:33:05.600	117GA105A106B4BJ	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,411	72:0
239	97	176	03:36:07.600	117GA105A106B4BK	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,414	72:0
240	97	176	03:36:18.933	117GA105A106B4BL	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,414	89:0
241	97	176	03:39:20.933	117GA105A106B4BM	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,417	89:0
242	97	176	03:39:32.266	117GA105A106B4BN	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,418	15:0
243	97	176	03:39:41.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,014,418	29:0
244	97	176	03:39:41.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1036.69 +/-	4O0	4	0	4,014,418	29:0
245	97	176	03:39:43.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1036.81 +/-	4O0	4	0	4,014,418	31:1
246	97	176	03:39:48.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1038.04 +/-	4O0	4	0	4,014,418	39:0
247	97	176	03:39:49.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1038.10 +/-	4O0	4	0	4,014,418	40:8
248	97	176	03:39:50.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1037.98 +/-	4O0	4	0	4,014,418	42:9
249	97	176	03:40:16.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1032.03 +/-	4O0	4	0	4,014,418	81:0
250	97	176	03:40:38.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1026.72 +/-	4O0	4	0	4,014,419	24:0
251	97	176	03:40:38.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,014,419	24:0
252	97	176	03:40:40.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1026.66 +/-	4O0	4	0	4,014,419	25:8
253	97	176	03:42:34.266	117GA105A106B4BO	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,421	15:0
254	97	176	03:42:45.600	117GA105A106B4BP	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,421	32:0
255	97	176	03:45:47.600	117GA105A106B4BQ	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,424	32:0
256	97	176	03:45:58.933	117GA105A106B4BR	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,424	49:0
257	97	176	03:49:00.933	117GA105A106B4BS	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,427	49:0
258	97	176	03:49:12.266	117GA105A106B4BT	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,427	66:0
259	97	176	03:52:14.266	117GA105A106B4BU	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,430	66:0
260	97	176	03:52:25.600	117GA105A106B4BV	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,430	83:0
261	97	176	03:55:27.600	117GA105A106B4BW	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,433	83:0
262	97	176	03:55:38.933	117GA105A106B4BX	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,434	09:0
263	97	176	03:57:32.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,014,435	88:0
264	97	176	03:57:32.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1026.66 +/-	4O0	4	0	4,014,435	88:0
265	97	176	03:57:33.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1026.78 +/-	4O0	4	0	4,014,435	90:1
266	97	176	03:57:38.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1028.01 +/-	4O0	4	0	4,014,436	07:0
267	97	176	03:57:40.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1028.07 +/-	4O0	4	0	4,014,436	08:8
268	97	176	03:57:41.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1027.95 +/-	4O0	4	0	4,014,436	10:9
269	97	176	03:58:07.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1021.84 +/-	4O0	4	0	4,014,436	50:0
270	97	176	03:58:30.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,014,436	84:0
271	97	176	03:58:30.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1016.53 +/-	4O0	4	0	4,014,436	84:0
272	97	176	03:58:31.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1016.47 +/-	4O0	4	0	4,014,436	85:8
273	97	176	03:58:40.933	117GA105A106B4BY	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,437	09:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	97	176	03:58:52.266	117GA105A106B4BZ	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,437:26:0	
275	97	176	04:01:54.266	117GA105A106B4CA	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,440:26:0	
276	97	176	04:02:05.600	117GA105A106B4CB	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,440:43:0	
277	97	176	04:05:07.600	117GA105A106B4CC	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,443:43:0	
278	97	176	04:05:18.933	117GA105A106B4CD	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,443:60:0	
279	97	176	04:08:20.933	117GA105A106B4CE	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,446:60:0	
280	97	176	04:08:32.266	117GA105A106B4CF	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,446:77:0	
281	97	176	04:11:34.266	117GA105A106B4CG	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,449:77:0	
282	97	176	04:11:45.600	117GA105A106B4CH	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,450:03:0	
283	97	176	04:14:47.600	117GA105A106B4CI	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,453:03:0	
284	97	176	04:14:58.933	117GA105A106B4CJ	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,453:20:0	
285	97	176	04:15:23.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,014,453:57:0	
286	97	176	04:15:23.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1016.47 +/-	4O0	4	0	4,014,453:57:0	
287	97	176	04:15:25.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1016.59 +/-	4O0	4	0	4,014,453:59:1	
288	97	176	04:15:30.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1017.82 +/-	4O0	4	0	4,014,453:67:0	
289	97	176	04:15:31.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1017.88 +/-	4O0	4	0	4,014,453:68:8	
290	97	176	04:15:32.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1017.76 +/-	4O0	4	0	4,014,453:70:9	
291	97	176	04:15:58.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1011.65 +/-	4O0	4	0	4,014,454:19:0	
292	97	176	04:16:21.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,014,454:53:0	
293	97	176	04:16:21.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1006.34 +/-	4O0	4	0	4,014,454:53:0	
294	97	176	04:16:22.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1006.28 +/-	4O0	4	0	4,014,454:54:8	
295	97	176	04:18:00.933	117GA105A106B4CK	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,456:20:0	
296	97	176	04:18:12.266	117GA105A106B4CL	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,456:37:0	
297	97	176	04:21:14.266	117GA105A106B4CM	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,459:37:0	
298	97	176	04:21:25.600	117GA105A106B4CN	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,459:54:0	
299	97	176	04:24:27.600	117GA105A106B4CO	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,462:54:0	
300	97	176	04:24:38.933	117GA105A106B4CP	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,462:71:0	
301	97	176	04:27:40.933	117GA105A106B4CQ	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,465:71:0	
302	97	176	04:27:52.266	117GA105A106B4CR	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,465:88:0	
303	97	176	04:30:54.266	117GA105A106B4CS	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,468:88:0	
304	97	176	04:31:05.600	117GA105A106B4CT	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,469:14:0	
305	97	176	04:33:14.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1006.28 +/-	4O0	4	0	4,014,471:26:0	
306	97	176	04:33:14.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,014,471:26:0	
307	97	176	04:33:16.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1006.40 +/-	4O0	4	0	4,014,471:28:1	
308	97	176	04:33:21.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1007.64 +/-	4O0	4	0	4,014,471:36:0	
309	97	176	04:33:22.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1007.70 +/-	4O0	4	0	4,014,471:37:8	
310	97	176	04:33:24.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1007.58 +/-	4O0	4	0	4,014,471:39:9	
311	97	176	04:33:50.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1001.47 +/-	4O0	4	0	4,014,471:79:0	
312	97	176	04:34:07.600	117GA105A106B4CU	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,472:14:0	
313	97	176	04:34:12.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 996.15 +/-	4O0	4	0	4,014,472:22:0	
314	97	176	04:34:12.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,014,472:22:0	
315	97	176	04:34:14.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 996.09 +/-	4O0	4	0	4,014,472:23:8	
316	97	176	04:34:18.933	117GA105A106B4CV	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,472:31:0	
317	97	176	04:37:20.933	117GA105A106B4CW	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,475:31:0	
318	97	176	04:37:32.266	117GA105A106B4CX	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,475:48:0	
319	97	176	04:40:34.266	117GA105A106B4CY	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,478:48:0	
320	97	176	04:40:45.600	117GA105A106B4CZ	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,478:65:0	
321	97	176	04:43:47.600	117GA105A106B4DA	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,481:65:0	
322	97	176	04:43:58.933	117GA105A106B4DB	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,481:82:0	
323	97	176	04:47:00.933	117GA105A106B4DC	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,484:82:0	
324	97	176	04:47:12.266	117GA105A106B4DD	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,485:08:0	
325	97	176	04:50:14.266	117GA105A106B4DE	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,488:08:0	
326	97	176	04:50:25.600	117GA105A106B4DF	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,488:25:0	
327	97	176	04:51:06.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,014,488:86:0	
328	97	176	04:51:06.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 996.09 +/-	4O0	4	0	4,014,488:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	97	176	04:51:07.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 996.21 +/-	4O0	4	0	4,014,488:88:1	
330	97	176	04:51:12.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 997.45 +/-	4O0	4	0	4,014,489:05:0	
331	97	176	04:51:14.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 997.51 +/-	4O0	4	0	4,014,489:06:8	
332	97	176	04:51:15.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 997.39 +/-	4O0	4	0	4,014,489:08:9	
333	97	176	04:51:41.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 991.28 +/-	4O0	4	0	4,014,489:48:0	
334	97	176	04:52:04.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,014,489:82:0	
335	97	176	04:52:04.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 985.97 +/-	4O0	4	0	4,014,489:82:0	
336	97	176	04:52:05.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 985.91 +/-	4O0	4	0	4,014,489:83:8	
337	97	176	04:53:27.600	117GA105A106B4DG	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,491:25:0	
338	97	176	04:53:38.933	117GA105A106B4DH	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,491:42:0	
339	97	176	04:56:40.933	117GA105A106B4DI	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,494:42:0	
340	97	176	04:56:52.266	117GA105A106B4DJ	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,494:59:0	
341	97	176	04:59:54.266	117GA105A106B4DK	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,497:59:0	
342	97	176	05:00:05.600	117GA105A106B4DL	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,497:76:0	
343	97	176	05:03:07.600	117GA105A106B4DM	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,500:76:0	
344	97	176	05:03:18.933	117GA105A106B4DN	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,501:02:0	
345	97	176	05:06:20.933	117GA105A106B4DO	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,504:02:0	
346	97	176	05:06:32.266	117GA105A106B4DP	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,504:19:0	
347	97	176	05:08:57.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,014,506:55:0	
348	97	176	05:08:57.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 985.91 +/-	4O0	4	0	4,014,506:55:0	
349	97	176	05:08:59.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 986.03 +/-	4O0	4	0	4,014,506:57:1	
350	97	176	05:09:04.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 987.26 +/-	4O0	4	0	4,014,506:65:0	
351	97	176	05:09:05.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 987.32 +/-	4O0	4	0	4,014,506:66:8	
352	97	176	05:09:06.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 987.20 +/-	4O0	4	0	4,014,506:68:9	
353	97	176	05:09:32.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 981.09 +/-	4O0	4	0	4,014,507:17:0	
354	97	176	05:09:34.266	117GA105A106B4DQ	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,507:19:0	
355	97	176	05:09:45.600	117GA105A106B4DR	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,507:36:0	
356	97	176	05:09:55.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 975.78 +/-	4O0	4	0	4,014,507:51:0	
357	97	176	05:09:55.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,014,507:51:0	
358	97	176	05:09:56.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 975.72 +/-	4O0	4	0	4,014,507:52:8	
359	**97**	**176**	**05:12:27.600**	**C9NNCHOPON01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
360	97	176	05:12:47.600	117GA105A106B4DS	7STRP	0.0007,0.046039,	Slew =12.01	4O0	4	0	4,014,510:36:0	
361	97	176	05:12:58.933	117GA105A106B4DT	7STRP	0.0,-0.046039,0,	Slew =,0.31	4O0	4	0	4,014,510:53:0	
362	97	176	05:15:20.933	125KA	NIMSINIT	GS	##### GROUP START INIT	4O0	4	0	4,014,512:84:0	
363	**97**	**176**	**05:15:20.933**	**125KA4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**4,014,512:84:0**	
364	97	176	05:16:00.933	117GA105A106B4DU	7STRP	0.0007,0.046039,	Slew =12.01	460	4	0	4,014,513:53:0	
365	97	176	05:16:12.266	117GA105A106B4DV	7STRP	0.0,-0.046039,0,	Slew =,0.31	460	4	0	4,014,513:70:0	
366	**97**	**176**	**05:16:21.600**	**125KA4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,014,513:84:0**	
367	97	176	05:17:22.266	125KA11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,014,514:84:0	
368	**97**	**176**	**05:17:22.266**	**125KA4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**4,014,514:84:0**	
369	97	176	05:19:14.266	117GA105A106B4DW	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,516:70:0	
370	97	176	05:19:25.600	117GA105A106B4DX	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,516:87:0	
371	97	176	05:22:27.600	117GA105A106B4DY	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,519:87:0	
372	**97**	**176**	**05:22:34.267**	**C9NNCHOPON01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
373	97	176	05:22:38.933	117GA105A106B4DZ	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,520:13:0	
374	97	176	05:25:40.933	117GA105A106B4EA	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,523:13:0	
375	97	176	05:25:52.266	117GA105A106B4EB	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,523:30:0	
376	97	176	05:26:48.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	4,014,524:24:0	
377	97	176	05:26:48.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 975.72 +/-	2R0	4	0	4,014,524:24:0	
378	97	176	05:26:50.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 975.84 +/-	2R0	4	0	4,014,524:26:1	
379	97	176	05:26:55.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 977.07 +/-	2R0	4	0	4,014,524:34:0	
380	97	176	05:26:56.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 977.13 +/-	2R0	4	0	4,014,524:35:8	
381	97	176	05:26:58.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 977.01 +/-	2R0	4	0	4,014,524:37:9	
382	97	176	05:27:23.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 971.06 +/-	2R0	4	0	4,014,524:76:0	
383	97	176	05:27:46.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,014,525:19:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	97	176	05:27:46.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 965.75 +/-	2R0	4	0	4,014,525	19:0
385	97	176	05:27:47.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 965.69 +/-	2R0	4	0	4,014,525	20:8
386	97	176	05:28:54.266	117GA105A106B4EC	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,526	30:0
387	97	176	05:29:05.600	117GA105A106B4ED	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,526	47:0
388	97	176	05:32:07.600	117GA105A106B4EE	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,529	47:0
389	97	176	05:32:18.933	117GA105A106B4EF	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,529	64:0
390	97	176	05:35:20.933	117GA105A106B4EG	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,532	64:0
391	97	176	05:35:32.266	117GA105A106B4EH	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,532	81:0
392	97	176	05:38:34.266	117GA105A106B4EI	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,535	81:0
393	97	176	05:38:45.600	117GA105A106B4EJ	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,536	07:0
394	97	176	05:41:47.600	117GA105A106B4EK	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,539	07:0
395	97	176	05:41:58.933	117GA105A106B4EL	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,539	24:0
396	97	176	05:44:40.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	4,014,541	84:0
397	97	176	05:44:40.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 965.69 +/-	2R0	4	0	4,014,541	84:0
398	97	176	05:44:41.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 965.81 +/-	2R0	4	0	4,014,541	86:1
399	97	176	05:44:46.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 967.04 +/-	2R0	4	0	4,014,542	03:0
400	97	176	05:44:48.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 967.10 +/-	2R0	4	0	4,014,542	04:8
401	97	176	05:44:49.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 966.98 +/-	2R0	4	0	4,014,542	06:9
402	97	176	05:45:00.933	117GA105A106B4EM	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,542	24:0
403	97	176	05:45:12.266	117GA105A106B4EN	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,542	41:0
404	97	176	05:45:14.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 961.03 +/-	2R0	4	0	4,014,542	45:0
405	97	176	05:45:37.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,014,542	79:0
406	97	176	05:45:37.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 955.72 +/-	2R0	4	0	4,014,542	79:0
407	97	176	05:45:38.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 955.66 +/-	2R0	4	0	4,014,542	80:8
408	97	176	05:48:14.266	117GA105A106B4EO	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,545	41:0
409	97	176	05:48:25.600	117GA105A106B4EP	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,545	58:0
410	97	176	05:51:27.600	117GA105A106B4EQ	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,548	58:0
411	97	176	05:51:38.933	117GA105A106B4ER	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,548	75:0
412	97	176	05:54:40.933	117GA105A106B4ES	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,551	75:0
413	97	176	05:54:52.266	117GA105A106B4ET	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,552	01:0
414	97	176	05:57:54.266	117GA105A106B4EU	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,555	01:0
415	97	176	05:58:05.600	117GA105A106B4EV	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,555	18:0
416	97	176	06:01:07.600	117GA105A106B4EW	7STRP	0.0007,0.046039,	Slew =12.01	2R0	4	0	4,014,558	18:0
417	97	176	06:01:18.933	117GA105A106B4EX	7STRP	0.0,-0.046039,0,	Slew =,0.31	2R0	4	0	4,014,558	35:0
418	97	176	06:02:31.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	4,014,559	53:0
419	97	176	06:02:31.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 955.66 +/-	2R0	4	0	4,014,559	53:0
420	97	176	06:02:33.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 955.78 +/-	2R0	4	0	4,014,559	55:1
421	97	176	06:02:38.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 957.01 +/-	2R0	4	0	4,014,559	63:0
422	97	176	06:02:39.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 957.07 +/-	2R0	4	0	4,014,559	64:8
423	97	176	06:02:40.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 956.95 +/-	2R0	4	0	4,014,559	66:9
424	97	176	06:03:06.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 951.00 +/-	2R0	4	0	4,014,560	14:0
425	97	176	06:03:28.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 945.68 +/-	2R0	4	0	4,014,560	48:0
426	97	176	06:03:28.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,014,560	48:0
427	97	176	06:03:30.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 945.63 +/-	2R0	4	0	4,014,560	49:8
428	97	176	06:04:20.266	176GA6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R0	4	0	4,014,561	34:0
429	97	176	06:04:20.933	117GA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R0	4	0	4,014,561	35:0
430	97	176	06:04:22.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	4,014,561	37:0
431	97	176	06:04:22.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 945.63 +/-	2R0	4	0	4,014,561	37:0
432	97	176	06:04:23.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 945.74 +/-	2R0	4	0	4,014,561	39:1
433	97	176	06:04:28.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 946.98 +/-	2R0	4	0	4,014,561	47:0
434	97	176	06:04:30.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 947.04 +/-	2R0	4	0	4,014,561	48:8
435	97	176	06:04:31.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 946.92 +/-	2R0	4	0	4,014,561	50:9
436	97	176	06:04:32.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 946.75 +/-	2R0	4	0	4,014,561	52:0
437	97	176	06:04:42.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 944.40 +/-	2R0	4	0	4,014,561	67:0
438	97	176	06:04:42.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,014,561	67:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	97	176	06:04:43.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 944.34 +/-	2R0	4	0	4,014,561:68:8	
440	97	176	06:17:11.600	488M6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R0	4	0	4,014,574:08:0	
441	97	176	06:22:06.933	176DC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R0	4	0	4,014,578:87:0	
442	**97**	**176**	**06:22:13.600**	**C9CNGLOBAL01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
443	97	176	06:23:09.600	165DC4A	7SCAN	NORM,223.723,-17	Check S/P Position	2R0	4	0	4,014,579:90:0	
444	**97**	**176**	**06:24:06.266**	**125DC4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**4,014,580:84:0**	
445	97	176	06:24:06.266	125DC	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,014,580:84:0	
446	97	176	06:24:06.266	125DC11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,014,580:84:0	
447	**97**	**176**	**06:25:06.933**	**127DC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,014,581:84:0**	
448	97	176	06:25:06.933	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,014,581:84:0	
449	**97**	**176**	**06:25:07.600**	**127DC4B**	**37ETB**	**07,C7,02,00,F0,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,014,581:85:0**	
450	97	176	06:25:15.600	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,014,582:06:0	
451	97	176	06:26:00.266	175DC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,014,582:73:0	
452	97	176	06:26:00.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 944.34 +/-	4R3	4	0	4,014,582:73:0	
453	97	176	06:26:01.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 944.46 +/-	4R3	4	0	4,014,582:75:1	
454	97	176	06:26:02.933	117DC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,014,582:77:0	
455	97	176	06:26:06.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 945.70 +/-	4R3	4	0	4,014,582:83:0	
456	97	176	06:26:08.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 945.76 +/-	4R3	4	0	4,014,582:84:8	
457	97	176	06:26:08.933	175DC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,014,582:86:0	
458	97	176	06:26:09.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 945.64 +/-	4R3	4	0	4,014,582:86:9	
459	97	176	06:26:09.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 945.64 +/-	4R3	4	0	4,014,582:86:9	
460	97	176	06:26:10.933	165DC4B	7VECT		Inert vect update UTC	4R3	4	0	4,014,582:89:0	
461	97	176	06:26:12.266	117DC105A106A4A	7STRP	-0.018002,0.0,0,	Slew =,0.03	4R3	4	0	4,014,583:00:0	
462	**97**	**176**	**06:26:12.266**	**C9CNGLOBAL01-**	**NIMPBK**	**301DA**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
463	97	176	06:38:10.266	117DC105A106A4B	7STRP	0.018002,-0.008,	Slew =10.61	4R3	4	0	4,014,594:76:0	
464	97	176	06:38:15.600	117DC105A106A4C	7STRP	-0.018002,0.0,0,	Slew =,0.03	4R3	4	0	4,014,594:84:0	
465	97	176	06:50:13.600	117DC105A106A4D	7STRP	0.018002,-0.008,	Slew =10.61	4R3	4	0	4,014,606:69:0	
466	97	176	06:50:18.933	117DC105A106A4E	7STRP	-0.018002,0.0,0,	Slew =,0.03	4R3	4	0	4,014,606:77:0	
467	**97**	**176**	**06:59:32.933**	**C9CNGLOBAL01-**	**DESELC**	**300DA**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
468	97	176	06:59:44.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 473.43 +/-	4R3	4	0	4,014,616:15:0	
469	97	176	06:59:44.266	175DC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,014,616:15:0	
470	97	176	06:59:44.266	175DC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,014,616:15:0	
471	97	176	06:59:45.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 473.38 +/-	4R3	4	0	4,014,616:16:8	
472	97	176	06:59:51.600	488M6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,014,616:26:0	
473	97	176	07:02:16.933	117DC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,014,618:62:0	
474	97	176	07:08:23.600	488M6C	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	4R3	4	0	4,014,624:66:0	
475	97	176	07:09:29.600	488M6D	6TMSED	FILL,EL2	Sci, Eng, and D/L Chan	4R3	4	0	4,014,625:74:0	
476	**97**	**176**	**07:26:26.934**	**C9CNGLOBAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
477	97	176	07:32:00.266	488M6E	6TMSED	FILL,EH2	Sci, Eng, and D/L Chan	4R3	4	0	4,014,648:07:0	
478	97	176	07:35:00.266	41VB99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	4R3	4	0	4,014,651:04:0	
479	**97**	**176**	**07:36:54.266**	**41VB3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**4,014,652:84:0**	
480	**97**	**176**	**07:37:04.266**	**41VB3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**4,014,653:08:0**	
481	**97**	**176**	**07:37:14.266**	**41VB3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**4,014,653:23:0**	
482	**97**	**176**	**07:37:24.266**	**41VB3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**4,014,653:38:0**	
483	97	176	07:45:02.266	490UA412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4R3	4	0	4,014,660:88:0	
484	97	176	07:50:00.266	490UA412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4R3	4	0	4,014,665:80:0	
485	97	176	07:54:10.266	490UA412A4E	7VECT		Inert vect update UTC	4R3	4	0	4,014,670:00:0	
486	97	176	07:54:14.266	490UA412A4F	7TURN	2,RTH	ALERT Thruster	4R3	4	0	4,014,670:06:0	
487	97	176	07:58:02.266	490UA412A406A4A	7VECT		Inert vect update UTC	4R3	4	0	4,014,673:75:0	
488	97	176	07:58:04.266	490UA412A406A4B	7STAR	1,3000,95.710999	Star catalog update	4R3	4	0	4,014,673:78:0	
489	97	176	07:58:06.266	490UA412A406A4C	7STAR	2,464,80.782,28.	Star catalog update	4R3	4	0	4,014,673:81:0	
490	97	176	07:58:08.266	490UA412A406A4D	7STAR	3,159,27.239,89.	Star catalog update	4R3	4	0	4,014,673:84:0	
491	97	176	07:58:10.266	490UA412A406A4E	7STAR	4,0,0.0,0.0	Star catalog update	4R3	4	0	4,014,673:87:0	
492	97	176	07:58:12.266	490UA412A406A4F	7STAR	5,0,0.0,0.0	Star catalog update	4R3	4	0	4,014,673:90:0	
493	97	176	07:58:14.266	490UA412A406A4G	7STAR	6,0,0.0,0.0	Star catalog update	4R3	4	0	4,014,674:02:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	97	176	08:01:47.600	488N6A	6TMSED	NORM,EH2	Sci, Eng, and D/L Chan	4R3	4	0	4,014,677:49:0	
495	97	176	08:35:51.600	488N6B	6TMSED	NORM,EH3	Sci, Eng, and D/L Chan	4R3	4	0	4,014,711:21:0	
496	97	176	09:22:59.600	432PB431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	4,014,757:77:0	
497	97	176	09:23:00.266	432PB6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,014,757:78:0	
498	97	176	09:40:00.266	41WC99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	4R3	4	0	4,014,774:61:0	
499	97	176	09:40:00.266	488N6C	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	4R3	4	0	4,014,774:61:0	
500	**97**	**176**	**09:40:04.266**	**41WC3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**4,014,774:67:0**	
501	**97**	**176**	**09:40:14.266**	**41WC3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**4,014,774:82:0**	
502	**97**	**176**	**09:40:24.266**	**41WC3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**4,014,775:06:0**	
503	**97**	**176**	**09:40:34.266**	**41WC3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**4,014,775:21:0**	
504	97	176	09:49:25.600	165GK4A	7SCAN	NORM,208.877998,	Check S/P Position	4R3	4	0	4,014,783:90:0	
505	97	176	09:53:19.600	117GK	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,014,787:77:0	
506	97	176	09:53:28.933	176GK6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,014,788:00:0	
507	97	176	09:53:28.933	117GK105A106A4A	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,788:00:0	
508	97	176	09:57:22.266	117GK105A106A4B	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,791:77:0	
509	97	176	09:57:33.600	117GK105A106A4C	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,792:03:0	
510	97	176	10:01:26.933	117GK105A106A4D	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,795:80:0	
511	97	176	10:01:38.266	117GK105A106A4E	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,796:06:0	
512	97	176	10:05:31.600	117GK105A106A4F	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,799:83:0	
513	97	176	10:05:42.933	117GK105A106A4G	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,800:09:0	
514	97	176	10:09:36.266	117GK105A106A4H	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,803:86:0	
515	97	176	10:09:47.600	117GK105A106A4I	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,804:12:0	
516	97	176	10:10:41.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,014,805:02:0	
517	97	176	10:10:41.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 473.38 +/-	4R3	4	0	4,014,805:02:0	
518	97	176	10:10:43.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 473.49 +/-	4R3	4	0	4,014,805:04:1	
519	97	176	10:10:48.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 474.73 +/-	4R3	4	0	4,014,805:12:0	
520	97	176	10:10:49.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 474.79 +/-	4R3	4	0	4,014,805:13:8	
521	97	176	10:10:50.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 474.67 +/-	4R3	4	0	4,014,805:15:9	
522	97	176	10:11:16.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 468.56 +/-	4R3	4	0	4,014,805:55:0	
523	97	176	10:11:39.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 463.25 +/-	4R3	4	0	4,014,805:89:0	
524	97	176	10:11:39.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,014,805:89:0	
525	97	176	10:11:40.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 463.19 +/-	4R3	4	0	4,014,805:90:8	
526	97	176	10:13:40.933	117GK105A106A4J	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,807:89:0	
527	97	176	10:13:52.266	117GK105A106A4K	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,808:15:0	
528	97	176	10:17:45.600	117GK105A106A4L	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,812:01:0	
529	97	176	10:17:56.933	117GK105A106A4M	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,812:18:0	
530	97	176	10:21:50.266	117GK105A106A4N	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,816:04:0	
531	97	176	10:22:01.600	117GK105A106A4O	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,816:21:0	
532	97	176	10:25:54.933	117GK105A106A4P	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,820:07:0	
533	97	176	10:26:06.266	117GK105A106A4Q	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,820:24:0	
534	97	176	10:28:32.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 463.19 +/-	4R3	4	0	4,014,822:62:0	
535	97	176	10:28:32.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,014,822:62:0	
536	97	176	10:28:34.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 463.31 +/-	4R3	4	0	4,014,822:64:1	
537	97	176	10:28:39.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 464.54 +/-	4R3	4	0	4,014,822:72:0	
538	97	176	10:28:40.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 464.60 +/-	4R3	4	0	4,014,822:73:8	
539	97	176	10:28:42.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 464.48 +/-	4R3	4	0	4,014,822:75:9	
540	97	176	10:29:07.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 458.53 +/-	4R3	4	0	4,014,823:23:0	
541	97	176	10:29:30.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,014,823:57:0	
542	97	176	10:29:30.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 453.22 +/-	4R3	4	0	4,014,823:57:0	
543	97	176	10:29:31.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 453.16 +/-	4R3	4	0	4,014,823:58:8	
544	97	176	10:29:59.600	117GK105A106A4R	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,824:10:0	
545	97	176	10:30:10.933	117GK105A106A4S	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,824:27:0	
546	97	176	10:34:04.266	117GK105A106A4T	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,828:13:0	
547	97	176	10:34:15.600	117GK105A106A4U	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,828:30:0	
548	97	176	10:38:08.933	117GK105A106A4V	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,832:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	97	176	10:38:20.266	117GK105A106A4W	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,832:33:0	
550	97	176	10:42:13.600	117GK105A106A4X	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,836:19:0	
551	97	176	10:42:24.933	117GK105A106A4Y	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,836:36:0	
552	97	176	10:46:18.266	117GK105A106A4Z	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,840:22:0	
553	97	176	10:46:24.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 453.16 +/-	4R3	4	0	4,014,840:31:0	
554	97	176	10:46:24.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,014,840:31:0	
555	97	176	10:46:25.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 453.28 +/-	4R3	4	0	4,014,840:33:1	
556	97	176	10:46:29.600	117GK105A106A4AA	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,840:39:0	
557	97	176	10:46:30.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 454.51 +/-	4R3	4	0	4,014,840:41:0	
558	97	176	10:46:32.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 454.57 +/-	4R3	4	0	4,014,840:42:8	
559	97	176	10:46:33.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 454.45 +/-	4R3	4	0	4,014,840:44:9	
560	97	176	10:46:58.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 448.50 +/-	4R3	4	0	4,014,840:83:0	
561	97	176	10:47:21.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 443.18 +/-	4R3	4	0	4,014,841:26:0	
562	97	176	10:47:21.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,014,841:26:0	
563	97	176	10:47:22.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 443.13 +/-	4R3	4	0	4,014,841:27:8	
564	97	176	10:50:22.933	117GK105A106A4AB	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,844:25:0	
565	97	176	10:50:34.266	117GK105A106A4AC	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,844:42:0	
566	97	176	10:54:27.600	117GK105A106A4AD	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,848:28:0	
567	97	176	10:54:38.933	117GK105A106A4AE	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,848:45:0	
568	97	176	10:58:32.266	117GK105A106A4AF	7STRP	0.0005,0.024008,	Slew =12.01	4R3	4	0	4,014,852:31:0	
569	97	176	10:58:43.600	117GK105A106A4AG	7STRP	0.0,-0.024008,0,	Slew =,0.28	4R3	4	0	4,014,852:48:0	
570	97	176	11:02:36.933	176GK6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,014,856:34:0	
571	97	176	11:02:36.933	117GK11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,014,856:34:0	
572	97	176	11:02:38.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,014,856:37:0	
573	97	176	11:02:38.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 443.13 +/-	4R3	4	0	4,014,856:37:0	
574	97	176	11:02:40.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 443.24 +/-	4R3	4	0	4,014,856:39:1	
575	97	176	11:02:45.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 444.48 +/-	4R3	4	0	4,014,856:47:0	
576	97	176	11:02:46.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 444.54 +/-	4R3	4	0	4,014,856:48:8	
577	97	176	11:02:48.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 444.42 +/-	4R3	4	0	4,014,856:50:9	
578	97	176	11:02:48.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 444.25 +/-	4R3	4	0	4,014,856:52:0	
579	97	176	11:03:09.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 439.40 +/-	4R3	4	0	4,014,856:83:0	
580	97	176	11:03:09.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,014,856:83:0	
581	97	176	11:03:10.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 439.34 +/-	4R3	4	0	4,014,856:84:8	
582	97	176	11:15:00.266	488N6D	6TMSED	NORM,FL3	Sci, Eng, and D/L Chan	4R3	4	0	4,014,868:57:0	
583	97	176	11:15:51.600	488N6E	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	4R3	4	0	4,014,869:43:0	
584	97	176	11:30:32.933	411AA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,014,884:00:0	
585	97	176	11:30:32.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 439.34 +/-	4R3	4	0	4,014,884:00:0	
586	97	176	11:30:34.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 439.46 +/-	4R3	4	0	4,014,884:02:1	
587	97	176	11:30:39.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 440.70 +/-	4R3	4	0	4,014,884:10:0	
588	97	176	11:30:40.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 440.76 +/-	4R3	4	0	4,014,884:11:8	
589	97	176	11:30:42.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 440.64 +/-	4R3	4	0	4,014,884:13:9	
590	97	176	11:30:42.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 440.64 +/-	4R3	4	0	4,014,884:13:9	
591	97	176	11:30:42.933	411AA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	4,014,884:15:0	
592	97	176	11:32:44.266	411AA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,014,886:15:0	
593	97	176	11:32:46.933	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,014,886:19:0	
594	97	176	11:32:47.600	175TD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,014,886:20:0	
595	97	176	11:32:54.266	175TD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,014,886:30:0	
596	97	176	11:32:54.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 409.68 +/-	4R3	4	0	4,014,886:30:0	
597	97	176	11:32:55.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 409.63 +/-	4R3	4	0	4,014,886:31:8	
598	97	176	11:41:39.600	165GC4A	7SCAN	NORM,218.706999,	Check S/P Position	4R3	4	0	4,014,894:90:0	
599	97	176	11:42:31.600	117GC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,014,895:77:0	
600	97	176	11:42:39.600	165GC4B	7VECT		Inert vect update UTC	4R3	4	0	4,014,895:89:0	
601	97	176	11:42:40.933	176GC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,014,896:00:0	
602	97	176	11:42:40.933	117GC105A106A4A	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,896:00:0	
603	97	176	11:44:04.266	117GC105A106A4B	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,897:34:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	97	176	11:44:12.933	117GC105A106A4C	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,897	47:0
605	97	176	11:45:36.266	117GC105A106A4D	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,898	81:0
606	97	176	11:45:44.933	117GC105A106A4E	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,899	03:0
607	97	176	11:47:08.266	117GC105A106A4F	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,900	37:0
608	97	176	11:47:16.933	117GC105A106A4G	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,900	50:0
609	97	176	11:48:40.266	117GC105A106A4H	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,901	84:0
610	97	176	11:48:48.933	117GC105A106A4I	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,902	06:0
611	97	176	11:50:12.266	117GC105A106A4J	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,903	40:0
612	97	176	11:50:20.933	117GC105A106A4K	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,903	53:0
613	97	176	11:51:44.266	117GC105A106A4L	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,904	87:0
614	97	176	11:51:52.933	117GC105A106A4M	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,905	09:0
615	97	176	11:53:16.266	117GC105A106A4N	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,906	43:0
616	97	176	11:53:24.933	117GC105A106A4O	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,906	56:0
617	97	176	11:54:48.266	117GC105A106A4P	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,907	90:0
618	97	176	11:54:56.933	117GC105A106A4Q	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,908	12:0
619	97	176	11:56:20.266	117GC105A106A4R	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,909	46:0
620	97	176	11:56:28.933	117GC105A106A4S	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,909	59:0
621	97	176	11:57:52.266	117GC105A106A4T	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,911	02:0
622	97	176	11:58:00.933	117GC105A106A4U	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,911	15:0
623	97	176	11:59:24.266	117GC105A106A4V	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,912	49:0
624	97	176	11:59:32.933	117GC105A106A4W	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,912	62:0
625	97	176	11:59:53.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 409.63 +/-	4R3	4	0	4,014,913	02:0
626	97	176	11:59:53.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,014,913	02:0
627	97	176	11:59:55.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 409.74 +/-	4R3	4	0	4,014,913	04:1
628	97	176	12:00:00.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 410.98 +/-	4R3	4	0	4,014,913	12:0
629	97	176	12:00:01.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 411.04 +/-	4R3	4	0	4,014,913	13:8
630	97	176	12:00:02.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 410.92 +/-	4R3	4	0	4,014,913	15:9
631	97	176	12:00:28.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 404.81 +/-	4R3	4	0	4,014,913	55:0
632	97	176	12:00:51.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,014,913	89:0
633	97	176	12:00:51.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 399.50 +/-	4R3	4	0	4,014,913	89:0
634	97	176	12:00:52.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 399.44 +/-	4R3	4	0	4,014,913	90:8
635	97	176	12:00:56.266	117GC105A106A4X	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,914	05:0
636	97	176	12:01:04.933	117GC105A106A4Y	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,914	18:0
637	97	176	12:02:28.266	117GC105A106A4Z	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,915	52:0
638	97	176	12:02:36.933	117GC105A106A4AA	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,915	65:0
639	97	176	12:04:00.266	117GC105A106A4AB	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,917	08:0
640	97	176	12:04:08.933	117GC105A106A4AC	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,917	21:0
641	97	176	12:05:32.266	117GC105A106A4AD	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,918	55:0
642	97	176	12:05:40.933	117GC105A106A4AE	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,918	68:0
643	97	176	12:07:04.266	117GC105A106A4AF	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,920	11:0
644	97	176	12:07:12.933	117GC105A106A4AG	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,920	24:0
645	97	176	12:08:36.266	117GC105A106A4AH	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,921	58:0
646	97	176	12:08:44.933	117GC105A106A4AI	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,921	71:0
647	97	176	12:10:08.266	117GC105A106A4AJ	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,923	14:0
648	97	176	12:10:16.933	117GC105A106A4AK	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,923	27:0
649	97	176	12:10:32.266	488O6A	6TMSED	FILL,FL5	Sci, Eng, and D/L Chan	4R3	4	0	4,014,923	50:0
650	97	176	12:11:40.266	117GC105A106A4AL	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,924	61:0
651	97	176	12:11:48.933	117GC105A106A4AM	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,924	74:0
652	97	176	12:13:12.266	117GC105A106A4AN	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,926	17:0
653	97	176	12:13:20.933	117GC105A106A4AO	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,926	30:0
654	97	176	12:14:44.266	117GC105A106A4AP	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,927	64:0
655	97	176	12:14:52.933	117GC105A106A4AQ	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,927	77:0
656	97	176	12:16:16.266	117GC105A106A4AR	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,929	20:0
657	97	176	12:16:24.933	117GC105A106A4AS	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,929	33:0
658	97	176	12:17:44.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,014,930	62:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	97	176	12:17:44.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 399.44 +/-	4R3	4	0	4,014,930	62:0
660	97	176	12:17:46.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 399.56 +/-	4R3	4	0	4,014,930	64:1
661	97	176	12:17:48.266	117GC105A106A4AT	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,930	67:0
662	97	176	12:17:51.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 400.79 +/-	4R3	4	0	4,014,930	72:0
663	97	176	12:17:52.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 400.85 +/-	4R3	4	0	4,014,930	73:8
664	97	176	12:17:54.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 400.73 +/-	4R3	4	0	4,014,930	75:9
665	97	176	12:17:56.933	117GC105A106A4AU	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,930	80:0
666	97	176	12:18:19.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 394.78 +/-	4R3	4	0	4,014,931	23:0
667	97	176	12:18:42.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 389.47 +/-	4R3	4	0	4,014,931	57:0
668	97	176	12:18:42.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,014,931	57:0
669	97	176	12:18:43.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 389.41 +/-	4R3	4	0	4,014,931	58:8
670	97	176	12:19:20.266	117GC105A106A4AV	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,932	23:0
671	97	176	12:19:28.933	117GC105A106A4AW	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,932	36:0
672	97	176	12:20:52.266	117GC105A106A4AX	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,933	70:0
673	97	176	12:21:00.933	117GC105A106A4AY	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,933	83:0
674	97	176	12:22:24.266	117GC105A106A4AZ	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,935	26:0
675	97	176	12:22:32.933	117GC105A106A4BA	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,935	39:0
676	97	176	12:23:56.266	117GC105A106A4BB	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,936	73:0
677	97	176	12:24:04.933	117GC105A106A4BC	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,936	86:0
678	97	176	12:25:28.266	117GC105A106A4BD	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,938	29:0
679	97	176	12:25:36.933	117GC105A106A4BE	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,938	42:0
680	97	176	12:27:00.266	117GC105A106A4BF	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,939	76:0
681	97	176	12:27:08.933	117GC105A106A4BG	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,939	89:0
682	97	176	12:28:32.266	117GC105A106A4BH	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,941	32:0
683	97	176	12:28:40.933	117GC105A106A4BI	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,941	45:0
684	97	176	12:30:04.266	117GC105A106A4BJ	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,942	79:0
685	97	176	12:30:12.933	117GC105A106A4BK	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,943	01:0
686	97	176	12:31:36.266	117GC105A106A4BL	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,944	35:0
687	97	176	12:31:44.933	117GC105A106A4BM	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,944	48:0
688	97	176	12:33:08.266	117GC105A106A4BN	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,945	82:0
689	97	176	12:33:16.933	117GC105A106A4BO	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,946	04:0
690	97	176	12:34:40.266	117GC105A106A4BP	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,947	38:0
691	97	176	12:34:48.933	117GC105A106A4BQ	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,947	51:0
692	97	176	12:35:36.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 389.41 +/-	4R3	4	0	4,014,948	31:0
693	97	176	12:35:36.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,014,948	31:0
694	97	176	12:35:37.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 389.53 +/-	4R3	4	0	4,014,948	33:1
695	97	176	12:35:42.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 390.76 +/-	4R3	4	0	4,014,948	41:0
696	97	176	12:35:44.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 390.82 +/-	4R3	4	0	4,014,948	42:8
697	97	176	12:35:45.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 390.70 +/-	4R3	4	0	4,014,948	44:9
698	97	176	12:36:10.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 384.75 +/-	4R3	4	0	4,014,948	83:0
699	97	176	12:36:12.266	117GC105A106A4BR	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,948	85:0
700	97	176	12:36:20.933	117GC105A106A4BS	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,949	07:0
701	97	176	12:36:33.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,014,949	26:0
702	97	176	12:36:33.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 379.43 +/-	4R3	4	0	4,014,949	26:0
703	97	176	12:36:34.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 379.38 +/-	4R3	4	0	4,014,949	27:8
704	97	176	12:37:44.266	117GC105A106A4BT	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,950	41:0
705	97	176	12:37:52.933	117GC105A106A4BU	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,950	54:0
706	97	176	12:39:16.266	117GC105A106A4BV	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,951	88:0
707	97	176	12:39:24.933	117GC105A106A4BW	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,952	10:0
708	97	176	12:40:48.266	117GC105A106A4BX	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,953	44:0
709	97	176	12:40:56.933	117GC105A106A4BY	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,953	57:0
710	97	176	12:42:20.266	117GC105A106A4BZ	7STRP	-0.048137,0.0005	Slew =12.01	4R3	4	0	4,014,955	00:0
711	97	176	12:42:28.933	117GC105A106A4CA	7STRP	0.048037,0.0018,	Slew =,0.61	4R3	4	0	4,014,955	13:0
712	97	176	12:43:52.266	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,014,956	47:0
713	97	176	12:44:38.933	488O6B	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	4R3	4	0	4,014,957	26:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	97	176	12:46:47.600	176GC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,014,959	37:0
715	97	176	12:46:49.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,014,959	40:0
716	97	176	12:46:49.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 379.38 +/-	4R3	4	0	4,014,959	40:0
717	97	176	12:46:51.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 379.49 +/-	4R3	4	0	4,014,959	42:1
718	97	176	12:46:56.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 380.73 +/-	4R3	4	0	4,014,959	50:0
719	97	176	12:46:57.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 380.79 +/-	4R3	4	0	4,014,959	51:8
720	97	176	12:46:58.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 380.67 +/-	4R3	4	0	4,014,959	53:9
721	97	176	12:46:59.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 380.50 +/-	4R3	4	0	4,014,959	55:0
722	97	176	12:47:16.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 376.59 +/-	4R3	4	0	4,014,959	80:0
723	97	176	12:47:16.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,014,959	80:0
724	97	176	12:47:17.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 376.53 +/-	4R3	4	0	4,014,959	81:8
725	97	176	12:49:37.600	488O6C	6TMSED	FILL,FL5	Sci, Eng, and D/L Chan	4R3	4	0	4,014,962	19:0
726	97	176	13:07:30.266		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 376.53 +/-	4R3	4	0	4,014,979	81:0
727	97	176	13:07:30.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 376.53 +/-	4R3	4	0	4,014,979	81:0
728	97	176	13:07:30.266	465KC6A	6DTRN	CMD,6DTRN,465KC6	DMS TRACK TURNAROUND	4R3	4	0	4,014,979	81:0
729	97	176	13:07:31.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 376.65 +/-	4R3	4	0	4,014,979	83:1
730	97	176	13:07:36.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 377.89 +/-	4R3	4	0	4,014,980	00:0
731	97	176	13:07:38.133		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 377.95 +/-	4R3	4	0	4,014,980	01:8
732	97	176	13:07:39.533		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 377.83 +/-	4R3	4	0	4,014,980	03:9
733	97	176	13:13:11.600	488O6D	6TMSED	FILL,FL6	Sci, Eng, and D/L Chan	4R3	4	0	4,014,985	47:0
734	97	176	13:20:18.733		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4R3	4	0	4,014,992	50:7
735	97	176	13:20:19.933		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4R3	4	0	4,014,992	52:5
736	97	176	13:20:19.933		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4R3	4	0	4,014,992	52:5
737	97	176	13:20:21.333		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4R3	4	0	4,014,992	54:6
738	97	176	13:20:33.333		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4R3	4	0	4,014,992	72:6
739	97	176	13:20:34.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4R3	4	0	4,014,992	74:4
740	97	176	13:24:37.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4R3	4	0	4,014,996	75:0
741	97	176	13:24:37.600	175TB422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,014,996	75:0
742	97	176	13:24:44.266		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 202.12 +/-	4R3	4	0	4,014,996	85:0
743	97	176	13:24:45.600	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,014,996	87:0
744	97	176	13:24:45.666		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 202.24 +/-	4R3	4	0	4,014,996	87:1
745	97	176	13:24:45.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 202.24 +/-	4R3	4	0	4,014,996	87:1
746	97	176	13:25:46.266	282NA431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	4R3	4	0	4,014,997	87:0
747	97	176	13:25:48.933	431OA6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	4R3	4	0	4,014,998	00:0
748	97	176	13:40:58.266	428JA6A	6RCCLR			4R3	4	0	4,015,012	90:0
749	97	176	13:40:58.933	428JA6B	6RCSET	12		4R3	4	0	4,015,013	00:0
750	97	176	13:50:00.266	481UH4A	7VECT		Inert vect update UTC	4R3	4	0	4,015,021	84:0
751	**97**	**176**	**13:54:11.600**	**C9CNANARR 01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
752	97	176	13:55:07.600	165DD4A	7SCAN	NORM,87.919,36.2	Check S/P Position	4R3	4	0	4,015,026	90:0
753	97	176	13:58:05.600	127DD	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,015,029	84:0
754	**97**	**176**	**13:58:06.266**	**127DD4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,015,029**	**85:0**
755	97	176	13:58:14.266	127DD11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,015,030	06:0
756	97	176	13:59:01.600	117DD	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,015,030	77:0
757	97	176	13:59:02.266	175DD422A6A	6DMSC	R28,1	DMS Control	4R3	4	0	4,015,030	78:0
758	97	176	13:59:02.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 684.26 +/-	4R3	4	0	4,015,030	78:0
759	97	176	13:59:03.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 684.32 +/-	4R3	4	0	4,015,030	79:8
760	97	176	13:59:07.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 685.82 +/-	4R3	4	0	4,015,030	85:8
761	97	176	13:59:07.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 685.82 +/-	4R3	4	0	4,015,030	85:8
762	97	176	13:59:07.600	175DD176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,015,030	86:0
763	97	176	13:59:09.600	165DD4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,030	89:0
764	97	176	13:59:10.933	117DD105A106A4A	7STRP	-0.021503,0.0,0,	Slew =,0.06	4R3	4	0	4,015,031	00:0
765	**97**	**176**	**13:59:10.933**	**C9CNANARR 01-**	**NIMPBK**	**301KA**	**ANARR CRATER COVERAGE**	**4R3**	**4**	**0**	**: :**	
766	97	176	14:03:12.933	428JB6A	6RCCLR			4R3	4	0	4,015,034	90:0
767	97	176	14:03:13.600	428JB6B	6RCSET	8		4R3	4	0	4,015,035	00:0
768	**97**	**176**	**14:04:02.933**	**C9CNANARR 01-**	**NIMPBK**	**301FN**	**ANARR CRATER COVERAGE**	**4R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	**97**	**176**	**14:04:10.933**	**C9CNANARR 01-**	**DESELC**	**300KA**	**ANARR CRATER COVERAGE**	**4R3**	**4**	**0**	**: :**	
770	97	176	14:05:10.933	117DD105A106A4B	7STRP	0.022204,0.008,0	Slew =,11.2	4R3	4	0	4,015,036:85:0	
771	97	176	14:05:16.266	117DD105A106A4C	7STRP	-0.021503,0.0,0,	Slew =,0.06	4R3	4	0	4,015,037:02:0	
772	**97**	**176**	**14:09:10.933**	**C9CNANARR 01-**	**DESELC**	**300FN**	**ANARR CRATER COVERAGE**	**4R3**	**4**	**0**	**: :**	
773	97	176	14:09:11.600		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *1216.80 +/-	4R3	4	0	4,015,040:82:0	
774	97	176	14:09:11.600	175TC422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,015,040:82:0	
775	97	176	14:09:12.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *1217.10 +/-	4R3	4	0	4,015,040:83:8	
776	97	176	14:09:14.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1217.22 +/-	4R3	4	0	4,015,040:85:9	
777	97	176	14:09:14.200		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1217.22 +/-	4R3	4	0	4,015,040:85:9	
778	97	176	14:09:14.266	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,015,040:86:0	
779	97	176	14:09:17.600	428JC6A	6RCCLR			4R3	4	0	4,015,041:00:0	
780	97	176	14:11:16.266	117DD11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,015,042:87:0	
781	97	176	14:11:16.933	432MA431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	4,015,042:88:0	
782	97	176	14:11:17.600	432MA6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,015,042:89:0	
783	97	176	14:11:18.266	165CC4A	7SCAN	NORM,71.19,23.67	Check S/P Position	4R3	4	0	4,015,042:90:0	
784	97	176	14:11:20.933		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1246.92 +/-	4R3	4	0	4,015,043:03:0	
785	97	176	14:11:20.933	432OA431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	4,015,043:03:0	
786	97	176	14:11:20.933	175TC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,043:03:0	
787	97	176	14:11:21.600	432OA6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,015,043:04:0	
788	97	176	14:11:22.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1246.98 +/-	4R3	4	0	4,015,043:04:8	
789	**97**	**176**	**14:12:00.266**	**C9CNANARR 01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
790	97	176	14:12:10.266	117CA	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,015,043:77:0	
791	97	176	14:12:10.933	175CA422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,015,043:78:0	
792	97	176	14:12:10.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1246.98 +/-	4R3	4	0	4,015,043:78:0	
793	97	176	14:12:17.600		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1246.98 +/-	4R3	4	0	4,015,043:88:0	
794	97	176	14:12:18.266	165CC4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,043:89:0	
795	97	176	14:12:18.933	175CA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,015,043:90:0	
796	97	176	14:12:19.000		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1247.10 +/-	4R3	4	0	4,015,043:90:1	
797	97	176	14:12:19.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1247.10 +/-	4R3	4	0	4,015,043:90:1	
798	97	176	14:12:19.600	117CA105A106A4A	7STRP	0.140922,0.0,0,0	Slew =,0.31	4R3	4	0	4,015,044:00:0	
799	97	176	14:12:25.600	282NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	4,015,044:09:0	
800	97	176	14:13:14.266	282NB432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	4,015,044:82:0	
801	97	176	14:13:14.933	282NB432A6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,015,044:83:0	
802	97	176	14:20:15.600	117CA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,015,051:77:0	
803	97	176	14:20:24.933		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1360.99 +/-	4R3	4	0	4,015,052:00:0	
804	97	176	14:20:24.933	175CA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,052:00:0	
805	97	176	14:20:26.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1361.05 +/-	4R3	4	0	4,015,052:01:8	
806	97	176	14:20:26.266	165IA4A	7SCAN	NORM,53.378,19.9	Check S/P Position	4R3	4	0	4,015,052:02:0	
807	97	176	14:21:15.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1361.05 +/-	4R3	4	0	4,015,052:76:0	
808	97	176	14:21:15.600	175IA422A6A	6DMSC	R806,1	DMS Control	4R3	4	0	4,015,052:76:0	
809	97	176	14:21:22.266		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 1361.05 +/-	4R3	4	0	4,015,052:86:0	
810	97	176	14:21:24.266	165IA4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,052:89:0	
811	97	176	14:21:26.933	175IA176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,015,053:02:0	
812	97	176	14:21:27.533		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 1427.05 +/-	4R3	4	0	4,015,053:02:9	
813	97	176	14:21:27.533		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *1427.05 +/-	4R3	4	0	4,015,053:02:9	
814	97	176	14:21:34.266	175IA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,053:13:0	
815	97	176	14:21:34.266		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *1592.75 +/-	4R3	4	0	4,015,053:13:0	
816	97	176	14:21:37.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1604.25 +/-	4R3	4	0	4,015,053:17:1	
817	97	176	14:22:25.600	165IB4A	7SCAN	NORM,53.994,19.9	Check S/P Position	4R3	4	0	4,015,053:90:0	
818	97	176	14:23:18.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1604.25 +/-	4R3	4	0	4,015,054:78:0	
819	97	176	14:23:18.266	175IB422A6A	6DMSC	R403,1	DMS Control	4R3	4	0	4,015,054:78:0	
820	97	176	14:23:18.933	118IB	**SMOS**	GS		4R3	4	0	4,015,054:79:0	
821	97	176	14:23:24.933		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC 1604.25 +/-	4R3	4	0	4,015,054:88:0	
822	97	176	14:23:25.600	165IB4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,054:89:0	
823	97	176	14:23:28.266	175IB176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,015,055:02:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	97	176	14:23:28.800		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 1627.25 +/-	4R3	4	0	4,015,055:02:8	
825	97	176	14:23:28.800		DMS:	**: *RECORD**	R403, TRACK 1, FWD, TIC *1627.25 +/-	4R3	4	0	4,015,055:02:8	
826	97	176	14:23:28.933	118IB110A111A4A	7STRP	0.00579,0.0,26,0	Slew =,3.01	4R3	4	0	4,015,055:03:0	
827	97	176	14:23:37.600	118IB110A111A4B	7STRP	-0.00579,0.00725	Slew =,3.01	4R3	4	0	4,015,055:16:0	
828	97	176	14:23:46.266	118IB110A111A4C	7STRP	0.00579,0.0,26,0	Slew =,3.01	4R3	4	0	4,015,055:29:0	
829	97	176	14:23:54.933	118IB110A111A4D	7STRP	-0.00579,0.00725	Slew =,3.01	4R3	4	0	4,015,055:42:0	
830	97	176	14:24:03.600	118IB110A111A4E	7STRP	0.00579,0.0,26,0	Slew =,3.01	4R3	4	0	4,015,055:55:0	
831	97	176	14:24:12.266	118IB11A	**SMOS**	GE		4R3	4	0	4,015,055:68:0	
832	97	176	14:24:18.933		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *2244.13 +/-	4R3	4	0	4,015,055:78:0	
833	97	176	14:24:18.933	175IB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,055:78:0	
834	97	176	14:24:21.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2248.13 +/-	4R3	4	0	4,015,055:82:1	
835	**97**	**176**	**14:24:31.600**	**C9CNSKULD 01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
836	97	176	14:25:27.600	165DE4A	7SCAN	NORM,54.407,22.1	Check S/P Position	4R3	4	0	4,015,056:90:0	
837	97	176	14:28:25.600	127DE	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,015,059:84:0	
838	**97**	**176**	**14:28:26.266**	**127DE4A**	**37ETB**	**07,C7,02,00,F0,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,015,059:85:0**	
839	97	176	14:28:34.266	127DE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,015,060:06:0	
840	97	176	14:29:19.600	175DE422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,015,060:74:0	
841	97	176	14:29:19.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2248.13 +/-	4R3	4	0	4,015,060:74:0	
842	97	176	14:29:21.600	117DE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,015,060:77:0	
843	97	176	14:29:26.266		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2248.13 +/-	4R3	4	0	4,015,060:84:0	
844	97	176	14:29:27.600	175DE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,015,060:86:0	
845	97	176	14:29:27.666		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2248.25 +/-	4R3	4	0	4,015,060:86:1	
846	97	176	14:29:27.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2248.25 +/-	4R3	4	0	4,015,060:86:1	
847	97	176	14:29:29.600	165DE4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,060:89:0	
848	**97**	**176**	**14:29:30.933**	**C9CNSKULD 01-**	**NIMPBK**	**301KB**	**STUDY OF A BRIGHT CRATER**	**4R3**	**4**	**0**	**: :**	
849	97	176	14:29:30.933	117DE105A106A4A	7STRP	0.01075,0.0,0,0,	Slew =,0.03	4R3	4	0	4,015,061:00:0	
850	**97**	**176**	**14:34:22.933**	**C9CNSKULD 01-**	**NIMPBK**	**301FO**	**STUDY OF A BRIGHT CRATER**	**4R3**	**4**	**0**	**: :**	
851	**97**	**176**	**14:34:30.933**	**C9CNSKULD 01-**	**DESELC**	**300KB**	**STUDY OF A BRIGHT CRATER**	**4R3**	**4**	**0**	**: :**	
852	97	176	14:35:30.933	117DE105A106A4B	7STRP	-0.01075,0.008,0	Slew =,3.81	4R3	4	0	4,015,066:85:0	
853	97	176	14:35:36.933	117DE105A106A4C	7STRP	0.01075,0.0,0,0,	Slew =,0.03	4R3	4	0	4,015,067:03:0	
854	**97**	**176**	**14:39:30.933**	**C9CNSKULD 01-**	**DESELC**	**300FO**	**STUDY OF A BRIGHT CRATER**	**4R3**	**4**	**0**	**: :**	
855	97	176	14:39:32.933	175DE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,070:84:0	
856	97	176	14:39:32.933		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2390.11 +/-	4R3	4	0	4,015,070:84:0	
857	97	176	14:39:32.933	175DE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,015,070:84:0	
858	97	176	14:39:34.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2390.17 +/-	4R3	4	0	4,015,070:85:8	
859	97	176	14:41:36.933	117DE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,015,072:88:0	
860	**97**	**176**	**14:41:59.600**	**C9CNSKULD 01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
861	97	176	14:55:32.933	488O6E	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	4R3	4	0	4,015,086:68:0	
862	97	176	14:56:48.266	165DF4A	7SCAN	NORM,45.328,21.7	Check S/P Position	4R3	4	0	4,015,087:90:0	
863	**97**	**176**	**14:56:52.933**	**C9CNNOLAT 01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
864	97	176	14:57:38.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2390.17 +/-	4R3	4	0	4,015,088:74:0	
865	97	176	14:57:38.266	175DF422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,015,088:74:0	
866	97	176	14:57:40.266	117DF	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,015,088:77:0	
867	97	176	14:57:44.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2390.17 +/-	4R3	4	0	4,015,088:84:0	
868	97	176	14:57:46.266	175DF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,015,088:86:0	
869	97	176	14:57:46.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2390.29 +/-	4R3	4	0	4,015,088:86:1	
870	97	176	14:57:46.333		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2390.29 +/-	4R3	4	0	4,015,088:86:1	
871	**97**	**176**	**14:57:49.600**	**C9CNNOLAT01-,**	**NIMPBK**	**301KC**	**NORTH LATITUDE COVERAGE**	**4R3**	**4**	**0**	**: :**	
872	97	176	14:57:49.600	117DF105A106A4A	7STRP	0.023004,0.0,0,0	Slew =,0.06	4R3	4	0	4,015,089:00:0	
873	**97**	**176**	**15:03:01.600**	**C9CNNOLAT 01-**	**NIMPBK**	**301FP**	**NORTH LATITUDE COVERAGE**	**4R3**	**4**	**0**	**: :**	
874	**97**	**176**	**15:03:09.600**	**C9CNNOLAT 01-**	**DESELC**	**300KC**	**NORTH LATITUDE COVERAGE**	**4R3**	**4**	**0**	**: :**	
875	97	176	15:04:15.600	117DF105A106A4B	7STRP	-0.013001,0.01,0	Slew =12.01	4R3	4	0	4,015,095:33:0	
876	97	176	15:04:26.933	117DF105A106A4C	7STRP	0.023004,0.0,0,0	Slew =,0.06	4R3	4	0	4,015,095:50:0	
877	97	176	15:06:15.600	488P6A	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	4R3	4	0	4,015,097:31:0	
878	**97**	**176**	**15:08:29.600**	**C9CNNOLAT 01-**	**DESELC**	**300FP**	**NORTH LATITUDE COVERAGE**	**4R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	97	176	15:08:31.600		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2541.52 +/-	4R3	4	0	4,015,099:53:0	
880	97	176	15:08:31.600	175DF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,099:53:0	
881	97	176	15:08:31.600	175DF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,015,099:53:0	
882	97	176	15:08:32.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2541.58 +/-	4R3	4	0	4,015,099:54:8	
883	97	176	15:10:52.933	117DF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,015,101:83:0	
884	97	176	15:10:57.600	165IC4A	7SCAN	NORM,45.875,21.0	Check S/P Position	4R3	4	0	4,015,101:90:0	
885	**97**	**176**	**15:11:00.266**	**C9CNNOLAT 01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
886	97	176	15:12:49.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2541.58 +/-	4R3	4	0	4,015,103:76:0	
887	97	176	15:12:49.600	175IC422A6A	6DMSC	R806,1	DMS Control	4R3	4	0	4,015,103:76:0	
888	97	176	15:12:51.600	118IC	**SMOS**	GS		4R3	4	0	4,015,103:79:0	
889	97	176	15:12:56.266		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 2541.58 +/-	4R3	4	0	4,015,103:86:0	
890	97	176	15:12:58.266	165IC4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,103:89:0	
891	97	176	15:13:00.933	175IC176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,015,104:02:0	
892	97	176	15:13:01.533		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *2607.58 +/-	4R3	4	0	4,015,104:02:9	
893	97	176	15:13:01.533		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 2607.58 +/- 1	4R3	4	0	4,015,104:02:9	
894	97	176	15:13:01.600	118IC110A111A4A	7STRP	0.00725,0.0,26,0	Slew =,3.01	4R3	4	0	4,015,104:03:0	
895	97	176	15:13:10.266	118IC110A111A4B	7STRP	-0.00725,0.00725	Slew =,7.01	4R3	4	0	4,015,104:16:0	
896	97	176	15:13:18.933	118IC110A111A4C	7STRP	0.00725,0.0,26,0	Slew =,3.01	4R3	4	0	4,015,104:29:0	
897	97	176	15:13:27.600	118IC110A111A4D	7STRP	-0.00725,0.00725	Slew =,7.01	4R3	4	0	4,015,104:42:0	
898	97	176	15:13:36.266	118IC110A111A4E	7STRP	0.00725,0.0,26,0	Slew =,3.01	4R3	4	0	4,015,104:55:0	
899	97	176	15:13:44.933	118IC110A111A4F	7STRP	-0.00725,0.00725	Slew =,7.01	4R3	4	0	4,015,104:68:0	
900	97	176	15:13:53.600	118IC110A111A4G	7STRP	0.00725,0.0,26,0	Slew =,3.01	4R3	4	0	4,015,104:81:0	
901	97	176	15:14:02.266	118IC110A111A4H	7STRP	-0.00725,0.00725	Slew =,7.01	4R3	4	0	4,015,105:03:0	
902	**97**	**176**	**15:14:04.266**	**C9CNVALSPC01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
903	97	176	15:14:10.933	118IC110A111A4I	7STRP	0.00725,0.0,26,0	Slew =,3.01	4R3	4	0	4,015,105:16:0	
904	97	176	15:14:19.600	118IC110A111A4J	7STRP	-0.00725,0.00725	Slew =,7.01	4R3	4	0	4,015,105:29:0	
905	97	176	15:14:28.266	118IC110A111A4K	7STRP	0.00725,0.0,26,0	Slew =,3.01	4R3	4	0	4,015,105:42:0	
906	97	176	15:14:36.933	118IC110A111A4L	7STRP	-0.00725,0.00725	Slew =,7.01	4R3	4	0	4,015,105:55:0	
907	97	176	15:14:45.600	118IC110A111A4M	7STRP	0.00725,0.0,26,0	Slew =,3.01	4R3	4	0	4,015,105:68:0	
908	97	176	15:14:54.266	118IC11A	**SMOS**	GE		4R3	4	0	4,015,105:81:0	
909	97	176	15:15:00.266	488P6B	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	4R3	4	0	4,015,105:90:0	
910	97	176	15:15:00.266	165DG4A	7SCAN	NORM,46.396,19.6	Check S/P Position	4R3	4	0	4,015,105:90:0	
911	97	176	15:15:00.933	175IC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,106:00:0	
912	97	176	15:15:00.933		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *5545.94 +/- 1	4R3	4	0	4,015,106:00:0	
913	97	176	15:15:03.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5557.44 +/- 1	4R3	4	0	4,015,106:04:1	
914	97	176	15:18:52.266	175DG422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,015,109:74:0	
915	97	176	15:18:52.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5557.44 +/- 1	4R3	4	0	4,015,109:74:0	
916	97	176	15:18:54.266	117DG	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,015,109:77:0	
917	97	176	15:18:58.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5557.44 +/- 1	4R3	4	0	4,015,109:84:0	
918	97	176	15:19:00.266	175DG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,015,109:86:0	
919	97	176	15:19:00.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5557.56 +/- 1	4R3	4	0	4,015,109:86:1	
920	97	176	15:19:00.333		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5557.56 +/- 1	4R3	4	0	4,015,109:86:1	
921	**97**	**176**	**15:19:03.600**	**C9CNVALSPC01-**	**NIMPBK**	**301KD**	**VALHALLA SPECTRAL SCAN**	**4R3**	**4**	**0**	**: :**	
922	97	176	15:19:03.600	117DG105A106A4A	7STRP	0.034414,0.0,0,0	Slew =,0.03	4R3	4	0	4,015,110:00:0	
923	**97**	**176**	**15:22:15.600**	**C9CNVALSPC01-**	**NIMPBK**	**301FQ**	**VALHALLA SPECTRAL SCAN**	**4R3**	**4**	**0**	**: :**	
924	**97**	**176**	**15:22:23.600**	**C9CNVALSPC01-**	**DESELC**	**300KD**	**VALHALLA SPECTRAL SCAN**	**4R3**	**4**	**0**	**: :**	
925	**97**	**176**	**15:25:43.600**	**C9CNVALSPC01-**	**DESELC**	**300FQ**	**VALHALLA SPECTRAL SCAN**	**4R3**	**4**	**0**	**: :**	
926	97	176	15:25:45.600	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,116:57:0	
927	97	176	15:25:45.600		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5652.54 +/- 1	4R3	4	0	4,015,116:57:0	
928	97	176	15:25:45.600	175DG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,015,116:57:0	
929	97	176	15:25:46.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5652.60 +/- 1	4R3	4	0	4,015,116:58:8	
930	97	176	15:38:12.866	117DG11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,015,128:86:0	
931	97	176	15:38:15.533	165ID4A	7SCAN	NORM,44.913,19.3	Check S/P Position	4R3	4	0	4,015,128:90:0	
932	**97**	**176**	**15:39:00.266**	**C9CNVALSPC01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
933	97	176	15:42:15.533	175ID422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	4,015,132:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	97	176	15:42:15.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5652.60 +/- 1	4R3	4	0	4,015,132:86:0	
935	97	176	15:42:17.533	165ID4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,132:89:0	
936	97	176	15:42:22.200		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5652.60 +/- 1	4R3	4	0	4,015,133:05:0	
937	97	176	15:42:25.533	175ID176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,015,133:10:0	
938	97	176	15:42:26.200		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5658.90 +/- 1	4R3	4	0	4,015,133:11:0	
939	97	176	15:42:26.200		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5658.90 +/- 1	4R3	4	0	4,015,133:11:0	
940	97	176	15:43:19.533	176IA6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,015,134:00:0	
941	97	176	15:43:50.200	175ID422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,134:46:0	
942	97	176	15:43:50.200		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5954.22 +/- 1	4R3	4	0	4,015,134:46:0	
943	97	176	15:43:51.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5955.22 +/- 1	4R3	4	0	4,015,134:47:8	
944	97	176	15:48:16.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5955.22 +/- 1	4R3	4	0	4,015,138:81:0	
945	97	176	15:48:16.200		DMS:	: *DMS-TURN	P7, TRACK 1, FWD, TIC 5955.22 +/- 1	4R3	4	0	4,015,138:81:0	
946	97	176	15:48:16.200	465KD6A	6DTRN	CMD,6DTRN,465KD6	DMS TRACK TURNAROUND	4R3	4	0	4,015,138:81:0	
947	97	176	15:48:22.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 5955.22 +/- 1	4R3	4	0	4,015,139:00:0	
948	97	176	15:48:24.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *5955.34 +/- 1	4R3	4	0	4,015,139:02:1	
949	97	176	15:53:32.666		DMS:	: *REVERSE	P7, TRACK 1, FWD, TIC *6027.63 +/- 1	4R3	4	0	4,015,144:09:7	
950	97	176	15:53:33.866		DMS:	: *TURNARND	P7, TRACK *2, *REV, TIC *6027.69 +/- 1	4R3	4	0	4,015,144:11:5	
951	97	176	15:53:33.866		DMS:	: *RUNUP	P7, TRACK 2, REV, TIC 6027.69 +/- 1	4R3	4	0	4,015,144:11:5	
952	97	176	15:53:35.266		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC *6027.57 +/-	4R3	4	0	4,015,144:13:6	
953	97	176	15:53:47.266		DMS:	: *AUTOSTOP	P7, TRACK 2, REV, TIC *6025.44 +/-	4R3	4	0	4,015,144:31:6	
954	97	176	15:53:48.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *6025.38 +/-	4R3	4	0	4,015,144:33:4	
955	97	176	16:00:21.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 6025.38 +/-	4R3	4	0	4,015,150:77:0	
956	97	176	16:00:21.533	465KE6A	6DMSC	P7,2	DMS Control Tape P/B 7.68kbps	4R3	4	0	4,015,150:77:0	
957	97	176	16:00:22.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6025.50 +/-	4R3	4	0	4,015,150:79:1	
958	97	176	16:00:28.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6026.73 +/-	4R3	4	0	4,015,150:87:0	
959	97	176	16:00:29.400		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC *6026.79 +/-	4R3	4	0	4,015,150:88:8	
960	97	176	16:00:30.800		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC 6026.67 +/-	4R3	4	0	4,015,150:90:9	
961	97	176	16:00:30.800		DMS:	: *P_SLEW	P7, TRACK 2, REV, TIC *6026.67 +/-	4R3	4	0	4,015,150:90:9	
962	97	176	16:01:44.866	465KE6B	6DMSC	RDY,2	DMS Control Tape stop	4R3	4	0	4,015,152:20:0	
963	97	176	16:01:44.866		DMS:	**: *RUNDOWN**	P7, TRACK 2, REV, TIC *6009.31 +/-	4R3	4	0	4,015,152:20:0	
964	97	176	16:01:46.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *6009.25 +/-	4R3	4	0	4,015,152:21:8	
965	97	176	16:03:32.200	165GI4A	7SCAN	NORM,43.74,20.59	Check S/P Position	4R3	4	0	4,015,153:90:0	
966	97	176	16:07:26.200	117GI	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,015,157:77:0	
967	97	176	16:07:34.200	165GI4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,157:89:0	
968	97	176	16:07:35.533	117GI105A106A4A	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,158:00:0	
969	97	176	16:07:35.533	176GI6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,015,158:00:0	
970	97	176	16:08:55.533	117GI105A106A4B	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,159:29:0	
971	97	176	16:09:04.200	117GI105A106A4C	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,159:42:0	
972	97	176	16:10:24.200	117GI105A106A4D	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,160:71:0	
973	97	176	16:10:32.866	117GI105A106A4E	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,160:84:0	
974	97	176	16:11:52.866	117GI105A106A4F	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,162:22:0	
975	97	176	16:12:01.533	117GI105A106A4G	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,162:35:0	
976	97	176	16:13:21.533	117GI105A106A4H	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,163:64:0	
977	97	176	16:13:30.200	117GI105A106A4I	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,163:77:0	
978	97	176	16:14:50.200	117GI105A106A4J	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,165:15:0	
979	97	176	16:14:58.866	117GI105A106A4K	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,165:28:0	
980	97	176	16:16:18.866	117GI105A106A4L	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,166:57:0	
981	97	176	16:16:27.533	117GI105A106A4M	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,166:70:0	
982	97	176	16:17:47.533	117GI105A106A4N	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,168:08:0	
983	97	176	16:17:56.200	117GI105A106A4O	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,168:21:0	
984	97	176	16:19:16.200	117GI105A106A4P	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,169:50:0	
985	97	176	16:19:24.866	117GI105A106A4Q	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,169:63:0	
986	97	176	16:20:44.866	117GI105A106A4R	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,171:01:0	
987	97	176	16:20:53.533	117GI105A106A4S	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,171:14:0	
988	97	176	16:22:13.533	117GI105A106A4T	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,172:43:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	97	176	16:22:22.200	117GI105A106A4U	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,172:56:0	
990	97	176	16:23:42.200	117GI105A106A4V	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,173:85:0	
991	97	176	16:23:50.866	117GI105A106A4W	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,174:07:0	
992	97	176	16:24:48.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,015,175:02:0	
993	97	176	16:24:48.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 6009.25 +/-	4R3	4	0	4,015,175:02:0	
994	97	176	16:24:49.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6009.37 +/-	4R3	4	0	4,015,175:04:1	
995	97	176	16:24:54.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6010.61 +/-	4R3	4	0	4,015,175:12:0	
996	97	176	16:24:56.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *6010.67 +/-	4R3	4	0	4,015,175:13:8	
997	97	176	16:24:57.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *6010.55 +/-	4R3	4	0	4,015,175:15:9	
998	97	176	16:25:10.866	117GI105A106A4X	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,175:36:0	
999	97	176	16:25:19.533	117GI105A106A4Y	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,175:49:0	
1000	97	176	16:25:23.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *6004.44 +/-	4R3	4	0	4,015,175:55:0	
1001	97	176	16:25:46.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,175:89:0	
1002	97	176	16:25:46.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5999.12 +/-	4R3	4	0	4,015,175:89:0	
1003	97	176	16:25:47.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5999.06 +/-	4R3	4	0	4,015,175:90:8	
1004	97	176	16:26:39.533	117GI105A106A4Z	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,176:78:0	
1005	97	176	16:26:48.200	117GI105A106A4AA	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,177:00:0	
1006	97	176	16:28:08.200	117GI105A106A4AB	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,178:29:0	
1007	97	176	16:28:16.866	117GI105A106A4AC	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,178:42:0	
1008	97	176	16:29:36.866	117GI105A106A4AD	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,179:71:0	
1009	97	176	16:29:45.533	117GI105A106A4AE	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,179:84:0	
1010	97	176	16:31:05.533	117GI105A106A4AF	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,181:22:0	
1011	97	176	16:31:14.200	117GI105A106A4AG	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,181:35:0	
1012	97	176	16:32:34.200	117GI105A106A4AH	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,182:64:0	
1013	97	176	16:32:42.866	117GI105A106A4AI	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,182:77:0	
1014	97	176	16:34:02.866	117GI105A106A4AJ	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,184:15:0	
1015	97	176	16:34:11.533	117GI105A106A4AK	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,184:28:0	
1016	97	176	16:35:31.533	117GI105A106A4AL	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,185:57:0	
1017	97	176	16:35:40.200	117GI105A106A4AM	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,185:70:0	
1018	97	176	16:37:00.200	117GI105A106A4AN	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,187:08:0	
1019	97	176	16:37:08.866	117GI105A106A4AO	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,187:21:0	
1020	97	176	16:38:28.866	117GI105A106A4AP	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,188:50:0	
1021	97	176	16:38:37.533	117GI105A106A4AQ	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,188:63:0	
1022	97	176	16:39:57.533	117GI105A106A4AR	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,190:01:0	
1023	97	176	16:40:06.200	117GI105A106A4AS	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,190:14:0	
1024	97	176	16:41:26.200	117GI105A106A4AT	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,191:43:0	
1025	97	176	16:41:34.866	117GI105A106A4AU	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,191:56:0	
1026	97	176	16:42:39.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5999.06 +/-	4R3	4	0	4,015,192:62:0	
1027	97	176	16:42:39.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,015,192:62:0	
1028	97	176	16:42:40.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5999.18 +/-	4R3	4	0	4,015,192:64:1	
1029	97	176	16:42:46.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6000.42 +/-	4R3	4	0	4,015,192:72:0	
1030	97	176	16:42:47.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *6000.48 +/-	4R3	4	0	4,015,192:73:8	
1031	97	176	16:42:48.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *6000.36 +/-	4R3	4	0	4,015,192:75:9	
1032	97	176	16:42:54.866	117GI105A106A4AV	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,192:85:0	
1033	97	176	16:43:03.533	117GI105A106A4AW	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,193:07:0	
1034	97	176	16:43:14.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5994.41 +/-	4R3	4	0	4,015,193:23:0	
1035	97	176	16:43:36.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,193:57:0	
1036	97	176	16:43:36.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5989.09 +/-	4R3	4	0	4,015,193:57:0	
1037	97	176	16:43:38.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5989.03 +/-	4R3	4	0	4,015,193:58:8	
1038	97	176	16:44:23.533	117GI105A106A4AX	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,194:36:0	
1039	97	176	16:44:32.200	117GI105A106A4AY	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,194:49:0	
1040	97	176	16:45:52.200	117GI105A106A4AZ	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,195:78:0	
1041	97	176	16:46:00.866	117GI105A106A4BA	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,196:00:0	
1042	97	176	16:47:20.866	117GI105A106A4BB	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,197:29:0	
1043	97	176	16:47:29.533	117GI105A106A4BC	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,197:42:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	97	176	16:48:49.533	117GI105A106A4BD	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,198:71:0	
1045	97	176	16:48:58.200	117GI105A106A4BE	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,198:84:0	
1046	97	176	16:50:18.200	117GI105A106A4BF	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,200:22:0	
1047	97	176	16:50:26.866	117GI105A106A4BG	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,200:35:0	
1048	97	176	16:51:46.866	117GI105A106A4BH	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,201:64:0	
1049	97	176	16:51:55.533	117GI105A106A4BI	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,201:77:0	
1050	97	176	16:53:15.533	117GI105A106A4BJ	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,203:15:0	
1051	97	176	16:53:24.200	117GI105A106A4BK	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,203:28:0	
1052	97	176	16:54:44.200	117GI105A106A4BL	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,204:57:0	
1053	97	176	16:54:52.866	117GI105A106A4BM	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,204:70:0	
1054	97	176	16:56:12.866	117GI105A106A4BN	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,206:08:0	
1055	97	176	16:56:21.533	117GI105A106A4BO	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,206:21:0	
1056	97	176	16:57:41.533	117GI105A106A4BP	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,207:50:0	
1057	97	176	16:57:50.200	117GI105A106A4BQ	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,207:63:0	
1058	97	176	16:59:10.200	117GI105A106A4BR	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,209:01:0	
1059	97	176	16:59:18.866	117GI105A106A4BS	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,209:14:0	
1060	97	176	17:00:30.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5989.03 +/-	4R3	4	0	4,015,210:31:0	
1061	97	176	17:00:30.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,015,210:31:0	
1062	97	176	17:00:32.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5989.15 +/-	4R3	4	0	4,015,210:33:1	
1063	97	176	17:00:37.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5990.39 +/-	4R3	4	0	4,015,210:41:0	
1064	97	176	17:00:38.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5990.45 +/-	4R3	4	0	4,015,210:42:8	
1065	97	176	17:00:38.866	117GI105A106A4BT	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,210:43:0	
1066	97	176	17:00:40.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5990.33 +/-	4R3	4	0	4,015,210:44:9	
1067	97	176	17:00:47.533	117GI105A106A4BU	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,210:56:0	
1068	97	176	17:01:05.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5984.37 +/-	4R3	4	0	4,015,210:83:0	
1069	97	176	17:01:28.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,211:26:0	
1070	97	176	17:01:28.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5979.06 +/-	4R3	4	0	4,015,211:26:0	
1071	97	176	17:01:29.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5979.00 +/-	4R3	4	0	4,015,211:27:8	
1072	97	176	17:02:07.533	117GI105A106A4BV	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,211:85:0	
1073	97	176	17:02:16.200	117GI105A106A4BW	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,212:07:0	
1074	97	176	17:03:36.200	117GI105A106A4BX	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,213:36:0	
1075	97	176	17:03:44.866	117GI105A106A4BY	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,213:49:0	
1076	97	176	17:05:04.866	117GI105A106A4BZ	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,214:78:0	
1077	97	176	17:05:13.533	117GI105A106A4CA	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,215:00:0	
1078	97	176	17:06:33.533	117GI105A106A4CB	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,216:29:0	
1079	97	176	17:06:42.200	117GI105A106A4CC	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,216:42:0	
1080	97	176	17:08:02.200	117GI105A106A4CD	7STRP	-0.035715,0.0015	Slew =12.01	4R3	4	0	4,015,217:71:0	
1081	97	176	17:08:10.866	117GI105A106A4CE	7STRP	0.036016,0.0,0,0	Slew =,0.48	4R3	4	0	4,015,217:84:0	
1082	97	176	17:09:30.866	117GI11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,015,219:22:0	
1083	97	176	17:10:16.866	176GI6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,015,220:00:0	
1084	97	176	17:10:18.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,015,220:03:0	
1085	97	176	17:10:18.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5979.00 +/-	4R3	4	0	4,015,220:03:0	
1086	97	176	17:10:20.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5979.12 +/-	4R3	4	0	4,015,220:05:1	
1087	97	176	17:10:25.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5980.36 +/-	4R3	4	0	4,015,220:13:0	
1088	97	176	17:10:26.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5980.42 +/-	4R3	4	0	4,015,220:14:8	
1089	97	176	17:10:28.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5980.30 +/-	4R3	4	0	4,015,220:16:9	
1090	97	176	17:10:28.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5980.12 +/-	4R3	4	0	4,015,220:18:0	
1091	97	176	17:10:44.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,220:42:0	
1092	97	176	17:10:44.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5976.37 +/-	4R3	4	0	4,015,220:42:0	
1093	97	176	17:10:46.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5976.31 +/-	4R3	4	0	4,015,220:43:8	
1094	**97**	**176**	**17:46:44.933**	**C9CNVALHAL01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1095	97	176	17:47:40.866	165DH4A	7SCAN	NORM,42.294,18.5	Check S/P Position	4R3	4	0	4,015,256:90:0	
1096	97	176	17:51:32.200	175DH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,015,260:73:0	
1097	97	176	17:51:32.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5976.31 +/-	4R3	4	0	4,015,260:73:0	
1098	97	176	17:51:33.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5976.43 +/-	4R3	4	0	4,015,260:75:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	97	176	17:51:34.866	117DH	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,015,260:77:0	
1100	97	176	17:51:38.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5977.67 +/-	4R3	4	0	4,015,260:83:0	
1101	97	176	17:51:40.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5977.73 +/-	4R3	4	0	4,015,260:84:8	
1102	97	176	17:51:40.866	175DH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,015,260:86:0	
1103	97	176	17:51:41.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5977.61 +/-	4R3	4	0	4,015,260:86:9	
1104	97	176	17:51:41.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5977.61 +/-	4R3	4	0	4,015,260:86:9	
1105	**97**	**176**	**17:51:44.200**	**C9CNVALHAL01-**	**NIMPBK**	**301DB**	**VALHALLA MULTI-RING STRUCTURE OB**	**4R3**	**4**	**0**	**: :**	
1106	97	176	17:51:44.200	117DH105A106A4A	7STRP	0.017002,0.0,0,0	Slew =,0.03	4R3	4	0	4,015,261:00:0	
1107	97	176	18:01:12.200	117DH105A106A4B	7STRP	-0.015501,0.008,	Slew =,6.51	4R3	4	0	4,015,270:33:0	
1108	97	176	18:01:18.200	117DH105A106A4C	7STRP	0.017002,0.0,0,0	Slew =,0.03	4R3	4	0	4,015,270:42:0	
1109	**97**	**176**	**18:05:54.200**	**C9CNVALHAL01-**	**NIMPBK**	**301FR**	**VALHALLA MULTI-RING STRUCTURE OB**	**4R3**	**4**	**0**	**: :**	
1110	**97**	**176**	**18:06:02.200**	**C9CNVALHAL01-**	**DESELC**	**300DB**	**VALHALLA MULTI-RING STRUCTURE OB**	**4R3**	**4**	**0**	**: :**	
1111	97	176	18:10:46.200	117DH105A106A4D	7STRP	-0.015501,0.008,	Slew =,6.51	4R3	4	0	4,015,279:75:0	
1112	97	176	18:10:52.200	117DH105A106A4E	7STRP	0.017002,0.0,0,0	Slew =,0.03	4R3	4	0	4,015,279:84:0	
1113	97	176	18:20:20.200	117DH11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,015,289:26:0	
1114	**97**	**176**	**18:20:20.866**	**C9CNVALHAL01-**	**DESELC**	**300FR**	**VALHALLA MULTI-RING STRUCTURE OB**	**4R3**	**4**	**0**	**: :**	
1115	97	176	18:20:32.200	175DH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,015,289:44:0	
1116	97	176	18:20:32.200	175DH422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,289:44:0	
1117	97	176	18:20:32.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5571.97 +/-	4R3	4	0	4,015,289:44:0	
1118	97	176	18:20:33.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5571.91 +/-	4R3	4	0	4,015,289:45:8	
1119	**97**	**176**	**18:20:57.600**	**C9HNDARK__01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1120	**97**	**176**	**18:21:00.266**	**C9CNVALHAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1121	97	176	18:21:02.866	165DB4A	7SCAN	NORM,284.641998,	Check S/P Position	4R3	4	0	4,015,289:90:0	
1122	97	176	18:24:00.866	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,015,292:84:0	
1123	**97**	**176**	**18:24:01.533**	**127DB4A**	**37ETB**	**0A,CA,1D,FF,FF,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,015,292:85:0**	
1124	97	176	18:24:09.533	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,015,293:06:0	
1125	97	176	18:24:54.200	175DB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,015,293:73:0	
1126	97	176	18:24:54.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5571.91 +/-	4R3	4	0	4,015,293:73:0	
1127	97	176	18:24:55.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5572.03 +/-	4R3	4	0	4,015,293:75:1	
1128	97	176	18:24:56.866	117DB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,015,293:77:0	
1129	97	176	18:25:00.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5573.26 +/-	4R3	4	0	4,015,293:83:0	
1130	97	176	18:25:02.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5573.32 +/-	4R3	4	0	4,015,293:84:8	
1131	97	176	18:25:02.866	175DB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,015,293:86:0	
1132	97	176	18:25:03.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5573.20 +/-	4R3	4	0	4,015,293:86:9	
1133	97	176	18:25:03.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5573.20 +/-	4R3	4	0	4,015,293:86:9	
1134	97	176	18:25:06.200	117DB105A106A4A	7STRP	-0.0017,0.0,0,0,	Slew =,0.03	4R3	4	0	4,015,294:00:0	
1135	**97**	**176**	**18:25:06.200**	**C9HNDARK__01-**	**NIMPBK**	**301DC**	**NIMS DARK OBSERVATION**	**4R3**	**4**	**0**	**: :**	
1136	**97**	**176**	**18:26:06.200**	**C9HNDARK__01-**	**DESELC**	**300DC**	**NIMS DARK OBSERVATION**	**4R3**	**4**	**0**	**: :**	
1137	97	176	18:26:06.866	117DB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,015,295:00:0	
1138	**97**	**176**	**18:26:10.933**	**C9HNDARK__01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1139	97	176	18:26:18.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5555.69 +/-	4R3	4	0	4,015,295:17:0	
1140	97	176	18:26:18.200	175DB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,015,295:17:0	
1141	97	176	18:26:18.200	175DB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,295:17:0	
1142	97	176	18:26:19.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5555.63 +/-	4R3	4	0	4,015,295:18:8	
1143	97	176	18:27:00.200	488P6C	6TMSED	NORM,CH5	Sci, Eng, and D/L Chan	4R3	4	0	4,015,295:80:0	
1144	97	176	18:30:00.200	41VC99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	4R3	4	0	4,015,298:77:0	
1145	**97**	**176**	**18:31:54.200**	**41VC3G**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**4,015,300:66:0**	
1146	**97**	**176**	**18:32:04.200**	**41VC3H**	**40T1P**		**2 PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**4,015,300:81:0**	
1147	**97**	**176**	**18:32:14.200**	**41VC3I**	**40T2**		**1 PCT Heater 2 ON**	**4R3**	**4**	**0**	**4,015,301:05:0**	
1148	**97**	**176**	**18:32:24.200**	**41VC3J**	**40T2**		**2 PCT Heater 2 ON**	**4R3**	**4**	**0**	**4,015,301:20:0**	
1149	97	176	18:40:02.200	490UB412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4R3	4	0	4,015,308:70:0	
1150	97	176	18:45:00.200	490UB412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4R3	4	0	4,015,313:62:0	
1151	97	176	18:49:10.200	490UB412A4E	7VECT	RTH	Inert vect update UTC	4R3	4	0	4,015,317:73:0	
1152	97	176	18:49:14.200	490UB412A4F	7TURN	1,RTH	ALERT Thruster	4R3	4	0	4,015,317:79:0	
1153	97	176	18:53:02.200	490UB412A406A4A	7VECT		Inert vect update UTC	4R3	4	0	4,015,321:57:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	97	176	18:53:04.200	490UB412A406A4B	7STAR	1,3000,95.710999	Star catalog update	4R3	4	0	4,015,321:60:0	
1155	97	176	18:53:06.200	490UB412A406A4C	7STAR	2,121,222.03	Star catalog update	4R3	4	0	4,015,321:63:0	
1156	97	176	18:53:08.200	490UB412A406A4D	7STAR	31,253,185.95	Star catalog update	4R3	4	0	4,015,321:66:0	
1157	97	176	18:53:10.200	490UB412A406A4E	7STAR	4,0,0.0,0.0	Star catalog update	4R3	4	0	4,015,321:69:0	
1158	97	176	18:53:12.200	490UB412A406A4F	7STAR	5,0,0.0,0.0	Star catalog update	4R3	4	0	4,015,321:72:0	
1159	97	176	18:53:14.200	490UB412A406A4G	7STAR	6,0,0.0,0.0	Star catalog update	4R3	4	0	4,015,321:75:0	
1160	97	176	20:07:59.533	432PD431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	4,015,395:69:0	
1161	97	176	20:08:00.200	432PD6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,015,395:70:0	
1162	97	176	20:25:00.200	41WD99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	4R3	4	0	4,015,412:53:0	
1163	**97**	**176**	**20:25:04.200**	**41WD3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**4,015,412:59:0**	
1164	**97**	**176**	**20:25:14.200**	**41WD3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**4,015,412:74:0**	
1165	**97**	**176**	**20:25:24.200**	**41WD3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**4,015,412:89:0**	
1166	**97**	**176**	**20:25:34.200**	**41WD3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**4,015,413:13:0**	
1167	97	176	20:26:15.533	488P6D	6TMSED	NORM,CH7	Sci, Eng, and D/L Chan	4R3	4	0	4,015,413:75:0	
1168	97	176	20:30:00.200	488P6E	6TMSED	NORM,EH7	Sci, Eng, and D/L Chan	4R3	4	0	4,015,417:48:0	
1169	97	176	20:35:00.200	488Q6A	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	4R3	4	0	4,015,422:43:0	
1170	97	176	20:58:15.533	488Q6B	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	4,015,445:43:0	
1171	**97**	**176**	**21:31:12.800**	**C9JNSRTAUR01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1172	97	176	21:32:08.866	165FE4A	7SCAN	NORM,218.044998,	Check S/P Position	4R3	4	0	4,015,478:90:0	
1173	**97**	**176**	**21:34:06.200**	**125KO4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,015,480:84:0**	
1174	97	176	21:34:06.200	125KO11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,015,480:84:0	
1175	97	176	21:34:06.200	125KO	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,015,480:84:0	
1176	97	176	21:35:06.866	127KO	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,015,481:84:0	
1177	**97**	**176**	**21:35:07.533**	**127KO4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,015,481:85:0**	
1178	97	176	21:35:15.533	127KO11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,015,482:06:0	
1179	**97**	**176**	**21:35:31.533**	**432DU6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,015,482:30:0**	
1180	97	176	21:36:10.866	165FE4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,482:89:0	
1181	**97**	**176**	**21:38:32.200**	**432DV6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,015,485:28:0**	
1182	**97**	**176**	**21:40:18.800**	**C9JNSRTAUR01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1183	**97**	**176**	**21:47:23.466**	**C9JNSRTAUR02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1184	97	176	21:48:19.533	165FQ4A	7SCAN	NORM,218.800999,	Check S/P Position	4R3	4	0	4,015,494:90:0	
1185	**97**	**176**	**21:51:42.200**	**432DW6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,015,498:30:0**	
1186	97	176	21:52:21.533	165FQ4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,498:89:0	
1187	**97**	**176**	**21:54:42.866**	**432DX6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,015,501:28:0**	
1188	**97**	**176**	**21:56:29.466**	**C9JNSRTAUR02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1189	**97**	**176**	**22:04:34.800**	**C9JNRTHOTS01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1190	97	176	22:04:43.533	165MB4A	7SCAN	NORM,220.177999,	Check S/P Position	4R3	4	0	4,015,511:19:0	
1191	97	176	22:06:31.533	488Q6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,015,512:90:0	
1192	**97**	**176**	**22:07:52.866**	**432DO6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,015,514:30:0**	
1193	**97**	**176**	**22:10:53.533**	**432DP6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,015,517:28:0**	
1194	**97**	**176**	**22:11:03.466**	**C9JNRTHOTS01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1195	**97**	**176**	**22:17:43.466**	**C9JNSRTAUR03-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1196	97	176	22:18:39.533	165FU4A	7SCAN	NORM,220.096998,	Check S/P Position	4R3	4	0	4,015,524:90:0	
1197	**97**	**176**	**22:22:02.200**	**432DY6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,015,528:30:0**	
1198	97	176	22:22:41.533	165FU4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,528:89:0	
1199	**97**	**176**	**22:25:02.866**	**432DZ6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,015,531:28:0**	
1200	**97**	**176**	**22:26:49.466**	**C9JNSRTAUR03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1201	97	176	22:36:23.533	488Q6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R3	4	0	4,015,542:48:0	
1202	97	176	23:37:42.200	488Q6E	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	4R3	4	0	4,015,603:15:0	
1203	97	177	00:01:43.533	488R6A	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,015,626:84:0	
1204	97	177	00:34:34.866	488R6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,015,659:38:0	
1205	97	177	00:56:23.533	165CD4A	7SCAN	NORM,228.358999,	Check S/P Position	4R3	4	0	4,015,680:90:0	
1206	97	177	01:00:25.533	165CD4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,684:89:0	
1207	97	177	01:30:36.200	165IF4A	7SCAN	NORM,221.272999,	Check S/P Position	4R3	4	0	4,015,714:75:0	
1208	97	177	01:33:52.866	118IF	**SMOS**	GS		4R3	4	0	4,015,718:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	97	177	01:34:08.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5555.63 +/-	4R3	4	0	4,015,718	30:0
1210	97	177	01:34:08.866	175IE422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,015,718	30:0
1211	97	177	01:34:10.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5555.75 +/-	4R3	4	0	4,015,718	32:1
1212	97	177	01:34:15.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5556.98 +/-	4R3	4	0	4,015,718	40:0
1213	97	177	01:34:16.733		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5557.04 +/-	4R3	4	0	4,015,718	41:8
1214	97	177	01:34:20.200	175IE176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,015,718	47:0
1215	97	177	01:34:20.733		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5550.74 +/-	4R3	4	0	4,015,718	47:8
1216	97	177	01:34:20.733		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5550.74 +/-	4R3	4	0	4,015,718	47:8
1217	97	177	01:34:20.866	118IF110A111A4A	7STRP	0.00725,0.0,46,0	Slew =,3.01	4R3	4	0	4,015,718	48:0
1218	97	177	01:34:51.533	118IF110A111A4B	7STRP	-0.014501,0.0072	Slew =0,5.0	4R3	4	0	4,015,719	03:0
1219	**97**	**177**	**01:34:53.466**	**C9JNRTHOTS02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1220	97	177	01:35:06.866	118IF110A111A4C	7STRP	0.00725,0.0,46,0	Slew =,3.01	4R3	4	0	4,015,719	26:0
1221	97	177	01:35:37.533	118IF11A	**SMOS**	GE		4R3	4	0	4,015,719	72:0
1222	97	177	01:35:49.533	165MC4A	7SCAN	NORM,224.191,-18	Check S/P Position	4R3	4	0	4,015,719	90:0
1223	97	177	01:35:50.200		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5236.21 +/-	4R3	4	0	4,015,720	00:0
1224	97	177	01:35:50.200	175IE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,015,720	00:0
1225	97	177	01:35:51.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5235.21 +/-	4R3	4	0	4,015,720	01:8
1226	**97**	**177**	**01:36:10.200**	**432DQ6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,015,720**	**30:0**
1227	**97**	**177**	**01:39:10.866**	**432DR6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,015,723**	**28:0**
1228	**97**	**177**	**01:40:03.466**	**C9JNRTHOTS02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1229	97	177	01:41:53.533	165BC4A	7SCAN	NORM,240.521,-24	Check S/P Position	4R3	4	0	4,015,725	90:0
1230	97	177	02:54:41.533	165CE4A	7SCAN	NORM,232.842999,	Check S/P Position	4R3	4	0	4,015,797	90:0
1231	97	177	02:58:43.533	165CE4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,801	89:0
1232	**97**	**177**	**03:27:07.466**	**C9JNSRTAUR06-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1233	97	177	03:28:03.533	165DM4A	7SCAN	NORM,225.875999,	Check S/P Position	4R3	4	0	4,015,830	90:0
1234	**97**	**177**	**03:31:26.200**	**432EE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,015,834**	**30:0**
1235	97	177	03:32:05.533	165DM4B	7VECT		Inert vect update UTC	4R3	4	0	4,015,834	89:0
1236	**97**	**177**	**03:34:26.866**	**432EF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,015,837**	**28:0**
1237	**97**	**177**	**03:36:13.466**	**C9JNSRTAUR06-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1238	97	177	03:40:11.533	165AA4A	7SCAN	NORM,228.146,-19	Check S/P Position	4R3	4	0	4,015,842	90:0
1239	97	177	03:44:05.533	117AA	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,015,846	77:0
1240	97	177	03:44:14.866	117AA105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	4,015,847	00:0
1241	97	177	04:13:34.200	117AA105A106A4B	7STRP	0.012501,0.0,0,0	Slew =12.01	4R3	4	0	4,015,876	00:0
1242	97	177	04:14:34.866	117AA105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	4,015,877	00:0
1243	97	177	04:43:54.200	117AA105A106A4D	7STRP	0.012501,0.0,0,0	Slew =12.01	4R3	4	0	4,015,906	00:0
1244	97	177	04:44:54.866	117AA105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	4,015,907	00:0
1245	97	177	05:14:14.200	117AA105A106A4F	7STRP	0.012501,0.0,0,0	Slew =12.01	4R3	4	0	4,015,936	00:0
1246	97	177	05:15:14.866	117AA105A106A4G	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	4,015,937	00:0
1247	97	177	05:44:34.200	117AA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,015,966	00:0
1248	97	177	05:51:35.533	488R6C	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R3	4	0	4,015,972	86:0
1249	**97**	**177**	**05:52:43.466**	**C9JNRTHOTS03-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1250	97	177	05:53:39.533	165MD4A	7SCAN	NORM,230.368999,	Check S/P Position	4R3	4	0	4,015,974	90:0
1251	**97**	**177**	**05:54:00.200**	**432DS6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,015,975**	**30:0**
1252	**97**	**177**	**05:57:00.866**	**432DT6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,015,978**	**28:0**
1253	**97**	**177**	**05:58:03.466**	**C9JNRTHOTS03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1254	97	177	05:58:42.866	165AG4A	7SCAN	NORM,229.389,-23	Check S/P Position	4R3	4	0	4,015,979	90:0
1255	97	177	06:20:57.533	165IG4A	7SCAN	NORM,229.220999,	Check S/P Position	4R3	4	0	4,016,001	90:0
1256	97	177	06:24:50.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5235.21 +/-	4R3	4	0	4,016,005	75:0
1257	97	177	06:24:50.200	175IF422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,016,005	75:0
1258	97	177	06:24:51.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5235.33 +/-	4R3	4	0	4,016,005	77:1
1259	97	177	06:24:52.866	118IG	**SMOS**	GS		4R3	4	0	4,016,005	79:0
1260	97	177	06:24:56.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5236.56 +/-	4R3	4	0	4,016,005	85:0
1261	97	177	06:24:58.066		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5236.62 +/-	4R3	4	0	4,016,005	86:8
1262	97	177	06:25:01.533	175IF176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,016,006	01:0
1263	97	177	06:25:02.066		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5230.32 +/-	4R3	4	0	4,016,006	01:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	97	177	06:25:02.066		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5230.32 +/-	4R3	4	0	4,016,006:01:8	
1265	97	177	06:25:02.866	118IG110A111A4A	7STRP	0.00725,0.0,46,0	Slew =,3.01	4R3	4	0	4,016,006:03:0	
1266	97	177	06:25:33.533	118IG110A111A4B	7STRP	-0.014501,0.0,0,	Slew =0,5.0	4R3	4	0	4,016,006:49:0	
1267	97	177	06:25:48.866	118IG110A111A4C	7STRP	0.00725,0.0,46,0	Slew =,3.01	4R3	4	0	4,016,006:72:0	
1268	97	177	06:26:19.533	118IG110A111A4D	7STRP	-0.014501,0.0,0,	Slew =0,5.0	4R3	4	0	4,016,007:27:0	
1269	97	177	06:26:34.866	118IG110A111A4E	7STRP	0.00725,0.0,46,0	Slew =,3.01	4R3	4	0	4,016,007:50:0	
1270	97	177	06:27:05.533	118IG110A111A4F	7STRP	-0.014501,0.0,0,	Slew =0,5.0	4R3	4	0	4,016,008:05:0	
1271	97	177	06:27:20.866	118IG110A111A4G	7STRP	0.00725,0.0,46,0	Slew =,3.01	4R3	4	0	4,016,008:28:0	
1272	97	177	06:27:51.533	118IG11A	**SMOS**	GE		4R3	4	0	4,016,008:74:0	
1273	97	177	06:28:02.200	165AE4A	7SCAN	NORM,229.192999,	Check S/P Position	4R3	4	0	4,016,008:90:0	
1274	97	177	06:28:03.533	175IF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,009:01:0	
1275	97	177	06:28:03.533		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4592.36 +/-	4R3	4	0	4,016,009:01:0	
1276	97	177	06:28:04.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4591.36 +/-	4R3	4	0	4,016,009:02:8	
1277	97	177	06:28:54.200	117AE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,016,009:77:0	
1278	97	177	06:29:03.533	117AE105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,016,010:00:0	
1279	97	177	06:30:34.866	117AE105A106A4B	7STRP	0.007,0.0,0,0,0,	Slew =12.01	4R3	4	0	4,016,011:46:0	
1280	97	177	06:31:04.866	117AE105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,016,012:00:0	
1281	97	177	06:32:36.200	117AE105A106A4D	7STRP	0.007,0.0,0,0,0,	Slew =12.01	4R3	4	0	4,016,013:46:0	
1282	97	177	06:33:06.200	117AE105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,016,014:00:0	
1283	97	177	06:34:37.533	117AE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,016,015:46:0	
1284	97	177	06:34:49.533	165AF4A	7SCAN	NORM,229.158998,	Check S/P Position	4R3	4	0	4,016,015:64:0	
1285	97	177	06:34:58.200	117AF	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,016,015:77:0	
1286	97	177	06:35:07.533	117AF105A106A4A	7STRP	0.017002,0.0,0,0	Slew =,0.02	4R3	4	0	4,016,016:00:0	
1287	97	177	06:39:10.200	411AC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,016,020:00:0	
1288	97	177	06:39:10.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4591.36 +/-	4R3	4	0	4,016,020:00:0	
1289	97	177	06:39:11.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4591.48 +/-	4R3	4	0	4,016,020:02:1	
1290	97	177	06:39:16.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4592.71 +/-	4R3	4	0	4,016,020:10:0	
1291	97	177	06:39:18.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4592.77 +/-	4R3	4	0	4,016,020:11:8	
1292	97	177	06:39:19.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4592.65 +/-	4R3	4	0	4,016,020:13:9	
1293	97	177	06:39:19.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4592.65 +/-	4R3	4	0	4,016,020:13:9	
1294	97	177	06:39:20.200	411AC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	4,016,020:15:0	
1295	97	177	06:41:21.533	411AC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,016,022:15:0	
1296	97	177	06:41:24.200	175TE176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,016,022:19:0	
1297	97	177	06:41:24.866	175TE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,016,022:20:0	
1298	97	177	06:41:31.533	175TE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,022:30:0	
1299	97	177	06:41:31.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4561.70 +/-	4R3	4	0	4,016,022:30:0	
1300	97	177	06:41:32.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4561.64 +/-	4R3	4	0	4,016,022:31:8	
1301	97	177	06:49:11.533	488S6A	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,016,029:83:0	
1302	97	177	06:50:48.200	117AF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,016,031:46:0	
1303	97	177	07:01:24.200	165IH4A	7SCAN	NORM,237.75,-22.	Check S/P Position	4R3	4	0	4,016,041:90:0	
1304	97	177	07:03:16.200	175IG422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,016,043:76:0	
1305	97	177	07:03:16.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4561.64 +/-	4R3	4	0	4,016,043:76:0	
1306	97	177	07:03:17.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4561.76 +/-	4R3	4	0	4,016,043:78:1	
1307	97	177	07:03:22.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4562.99 +/-	4R3	4	0	4,016,043:86:0	
1308	97	177	07:03:24.066		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4563.05 +/-	4R3	4	0	4,016,043:87:8	
1309	97	177	07:03:24.866	165IH4B	7VECT		Inert vect update UTC	4R3	4	0	4,016,043:89:0	
1310	97	177	07:03:27.533	175IG176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	4R3	4	0	4,016,044:02:0	
1311	97	177	07:03:28.066		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4556.75 +/-	4R3	4	0	4,016,044:02:8	
1312	97	177	07:03:28.066		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4556.75 +/-	4R3	4	0	4,016,044:02:8	
1313	97	177	07:03:34.866	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,044:13:0	
1314	97	177	07:03:34.866		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4532.85 +/-	4R3	4	0	4,016,044:13:0	
1315	97	177	07:03:36.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4531.85 +/-	4R3	4	0	4,016,044:14:8	
1316	97	177	07:04:26.200	165AH4A	7SCAN	NORM,231.143999,	Check S/P Position	4R3	4	0	4,016,044:90:0	
1317	97	177	07:15:25.533	488S6B	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,016,055:78:0	
1318	97	177	07:30:43.533	165AK4A	7SCAN	NORM,231.806,-23	Check S/P Position	4R3	4	0	4,016,070:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	**97**	**177**	**07:33:50.133**	**C9JNAURMAP01+**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1320	**97**	**177**	**07:36:07.533**	**432EI6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,016,076:30:0**	
1321	**97**	**177**	**07:39:08.200**	**432EJ6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,016,079:28:0**	
1322	**97**	**177**	**07:40:46.200**	**125LD4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,016,080:84:0**	
1323	97	177	07:40:46.200	125LD11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,016,080:84:0	
1324	97	177	07:40:46.200	125LD	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,016,080:84:0	
1325	97	177	07:49:31.533	488S6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,016,089:53:0	
1326	**97**	**177**	**07:52:02.133**	**C9JNAURMAP01+**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1327	97	177	07:52:58.200	165II4A	7SCAN	NORM,229.532999,	Check S/P Position	4R3	4	0	4,016,092:90:0	
1328	97	177	07:56:50.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4531.85 +/-	4R3	4	0	4,016,096:75:0	
1329	97	177	07:56:50.866	175IH422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,016,096:75:0	
1330	97	177	07:56:52.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4531.97 +/-	4R3	4	0	4,016,096:77:1	
1331	97	177	07:56:53.533	118II	**SMOS**	GS		4R3	4	0	4,016,096:79:0	
1332	97	177	07:56:57.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4533.20 +/-	4R3	4	0	4,016,096:85:0	
1333	97	177	07:56:58.733		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4533.26 +/-	4R3	4	0	4,016,096:86:8	
1334	97	177	07:57:02.200	175IH176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,016,097:01:0	
1335	97	177	07:57:02.733		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4526.96 +/-	4R3	4	0	4,016,097:01:8	
1336	97	177	07:57:02.733		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4526.96 +/-	4R3	4	0	4,016,097:01:8	
1337	97	177	07:57:03.533	118II110A111A4A	7STRP	0.00725,0.0,46,0	Slew =,3.01	4R3	4	0	4,016,097:03:0	
1338	97	177	07:57:34.200	118II110A111A4B	7STRP	-0.014501,0.0,0,	Slew =0,5.0	4R3	4	0	4,016,097:49:0	
1339	97	177	07:57:49.533	118II110A111A4C	7STRP	0.00725,0.0,46,0	Slew =,3.01	4R3	4	0	4,016,097:72:0	
1340	97	177	07:58:20.200	118II110A111A4D	7STRP	-0.014501,0.0,0,	Slew =0,5.0	4R3	4	0	4,016,098:27:0	
1341	97	177	07:58:35.533	118II110A111A4E	7STRP	0.00725,0.0,46,0	Slew =,3.01	4R3	4	0	4,016,098:50:0	
1342	97	177	07:59:06.200	118II110A111A4F	7STRP	-0.014501,0.0,0,	Slew =0,5.0	4R3	4	0	4,016,099:05:0	
1343	97	177	07:59:21.533	118II110A111A4G	7STRP	0.00725,0.0,46,0	Slew =,3.01	4R3	4	0	4,016,099:28:0	
1344	97	177	07:59:52.200	118II11A	**SMOS**	GE		4R3	4	0	4,016,099:74:0	
1345	97	177	08:00:02.866	165AI4A	7SCAN	NORM,229.588999,	Check S/P Position	4R3	4	0	4,016,099:90:0	
1346	97	177	08:00:03.533		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3891.33 +/-	4R3	4	0	4,016,100:00:0	
1347	97	177	08:00:03.533	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,100:00:0	
1348	97	177	08:00:04.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3890.33 +/-	4R3	4	0	4,016,100:01:8	
1349	97	177	08:00:54.866	117AI	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,016,100:77:0	
1350	97	177	08:01:04.200	117AI105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,016,101:00:0	
1351	97	177	08:02:35.533	117AI105A106A4B	7STRP	0.007,0.0,0,0,0,	Slew =12.01	4R3	4	0	4,016,102:46:0	
1352	97	177	08:03:05.533	117AI105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,016,103:00:0	
1353	97	177	08:04:36.866	117AI105A106A4D	7STRP	0.007,0.0,0,0,0,	Slew =12.01	4R3	4	0	4,016,104:46:0	
1354	97	177	08:05:06.866	117AI105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,016,105:00:0	
1355	97	177	08:06:38.200	117AI11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,016,106:46:0	
1356	97	177	08:06:50.200	165AJ4A	7SCAN	NORM,229.641998,	Check S/P Position	4R3	4	0	4,016,106:64:0	
1357	97	177	08:06:58.866	117AJ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,016,106:77:0	
1358	97	177	08:07:08.200	117AJ105A106A4A	7STRP	0.016001,0.0,0,0	Slew =,0.02	4R3	4	0	4,016,107:00:0	
1359	97	177	08:22:48.866	117AJ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,016,122:46:0	
1360	97	177	08:29:22.200	165BD4A	7SCAN	NORM,255.077,-24	Check S/P Position	4R3	4	0	4,016,128:90:0	
1361	97	177	08:59:42.200	165IJ4A	7SCAN	NORM,239.855,-22	Check S/P Position	4R3	4	0	4,016,158:90:0	
1362	97	177	09:03:37.533	118IJ	**SMOS**	GS		4R3	4	0	4,016,162:79:0	
1363	97	177	09:03:44.200	165IJ4B	7VECT		Inert vect update UTC	4R3	4	0	4,016,162:89:0	
1364	97	177	09:03:47.533	118IJ110A111A4A	7STRP	-0.0005,0.0,26,0	Slew =,3.01	4R3	4	0	4,016,163:03:0	
1365	97	177	09:04:01.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3890.33 +/-	4R3	4	0	4,016,163:24:0	
1366	97	177	09:04:01.533	175II422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,016,163:24:0	
1367	97	177	09:04:02.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3890.45 +/-	4R3	4	0	4,016,163:26:1	
1368	97	177	09:04:08.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3891.69 +/-	4R3	4	0	4,016,163:34:0	
1369	97	177	09:04:09.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3891.75 +/-	4R3	4	0	4,016,163:35:8	
1370	97	177	09:04:12.866	175II176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	4R3	4	0	4,016,163:41:0	
1371	97	177	09:04:13.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3885.45 +/-	4R3	4	0	4,016,163:41:8	
1372	97	177	09:04:13.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3885.45 +/-	4R3	4	0	4,016,163:41:8	
1373	97	177	09:04:13.533	118IJ11A	**SMOS**	GE		4R3	4	0	4,016,163:42:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	97	177	09:04:20.200	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,163:52:0	
1375	97	177	09:04:20.200		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3861.54 +/-	4R3	4	0	4,016,163:52:0	
1376	97	177	09:04:21.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3860.54 +/-	4R3	4	0	4,016,163:53:8	
1377	97	177	09:05:46.200	165IK4A	7SCAN	NORM,229.261999,	Check S/P Position	4R3	4	0	4,016,164:90:0	
1378	97	177	09:09:41.533	118IK	**SMOS**	GS		4R3	4	0	4,016,168:79:0	
1379	97	177	09:09:48.200	165IK4B	7VECT		Inert vect update UTC	4R3	4	0	4,016,168:89:0	
1380	97	177	09:09:51.533	118IK110A111A4A	7STRP	-0.0005,0.0,26,0	Slew =,3.01	4R3	4	0	4,016,169:03:0	
1381	97	177	09:10:05.533	175IJ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,016,169:24:0	
1382	97	177	09:10:05.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3860.54 +/-	4R3	4	0	4,016,169:24:0	
1383	97	177	09:10:06.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3860.66 +/-	4R3	4	0	4,016,169:26:1	
1384	97	177	09:10:12.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3861.90 +/-	4R3	4	0	4,016,169:34:0	
1385	97	177	09:10:13.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3861.96 +/-	4R3	4	0	4,016,169:35:8	
1386	97	177	09:10:16.866	175IJ176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	4R3	4	0	4,016,169:41:0	
1387	97	177	09:10:17.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3855.66 +/-	4R3	4	0	4,016,169:41:8	
1388	97	177	09:10:17.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3855.66 +/-	4R3	4	0	4,016,169:41:8	
1389	97	177	09:10:17.533	118IK11A	**SMOS**	GE		4R3	4	0	4,016,169:42:0	
1390	97	177	09:10:24.200	175IJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,169:52:0	
1391	97	177	09:10:24.200		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3831.75 +/-	4R3	4	0	4,016,169:52:0	
1392	97	177	09:10:25.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3830.75 +/-	4R3	4	0	4,016,169:53:8	
1393	97	177	09:10:49.533	165BE4A	7SCAN	NORM,255.077,-24	Check S/P Position	4R3	4	0	4,016,169:90:0	
1394	97	177	10:45:00.200	488S6D	6TMSED	NORM,HL5	Sci, Eng, and D/L Chan	4R3	4	0	4,016,263:12:0	
1395	97	177	10:45:00.866	282NV432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	4,016,263:13:0	
1396	97	177	10:45:01.533	282NV432A6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,016,263:14:0	
1397	97	177	10:50:55.533	165IL4A	7SCAN	NORM,236.308998,	Check S/P Position	4R3	4	0	4,016,268:90:0	
1398	97	177	10:53:47.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3830.75 +/-	4R3	4	0	4,016,271:75:0	
1399	97	177	10:53:47.533	175IK422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,016,271:75:0	
1400	97	177	10:53:48.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3830.87 +/-	4R3	4	0	4,016,271:77:1	
1401	97	177	10:53:50.200	118IL	**SMOS**	GS		4R3	4	0	4,016,271:79:0	
1402	97	177	10:53:54.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3832.11 +/-	4R3	4	0	4,016,271:85:0	
1403	97	177	10:53:55.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3832.17 +/-	4R3	4	0	4,016,271:86:8	
1404	97	177	10:53:58.866	175IK176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,016,272:01:0	
1405	97	177	10:53:59.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3825.87 +/-	4R3	4	0	4,016,272:01:8	
1406	97	177	10:53:59.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3825.87 +/-	4R3	4	0	4,016,272:01:8	
1407	97	177	10:54:00.200	118IL110A111A4A	7STRP	0.00725,0.0,46,1	Slew =,3.01	4R3	4	0	4,016,272:03:0	
1408	97	177	10:54:50.866	118IL110A111B4A	7STRP	-0.021753,-0.007	Slew =0,5.0	4R3	4	0	4,016,272:79:0	
1409	97	177	10:55:01.533	118IL110A111B4B	7STRP	0.00725,0.0,46,1	Slew =,3.01	4R3	4	0	4,016,273:04:0	
1410	97	177	10:55:06.200	118IL110A111A4B	7STRP	0.0,0.00725,0,0,	Slew =0,5.0	4R3	4	0	4,016,273:11:0	
1411	97	177	10:55:16.866	118IL110A111A4C	7STRP	0.00725,0.0,46,1	Slew =,3.01	4R3	4	0	4,016,273:27:0	
1412	97	177	10:56:07.533	118IL110A111B4C	7STRP	-0.021753,-0.007	Slew =0,5.0	4R3	4	0	4,016,274:12:0	
1413	97	177	10:56:18.200	118IL110A111B4D	7STRP	0.00725,0.0,46,1	Slew =,3.01	4R3	4	0	4,016,274:28:0	
1414	97	177	10:56:22.866	118IL110A111A4D	7STRP	0.0,0.00725,0,0,	Slew =0,5.0	4R3	4	0	4,016,274:35:0	
1415	97	177	10:56:33.533	118IL110A111A4E	7STRP	0.00725,0.0,46,1	Slew =,3.01	4R3	4	0	4,016,274:51:0	
1416	97	177	10:57:24.200	118IL110A111B4E	7STRP	-0.021753,-0.007	Slew =0,5.0	4R3	4	0	4,016,275:36:0	
1417	97	177	10:57:34.866	118IL110A111B4F	7STRP	0.00725,0.0,46,1	Slew =,3.01	4R3	4	0	4,016,275:52:0	
1418	97	177	10:57:39.533	118IL110A111A4F	7STRP	0.0,0.00725,0,0,	Slew =0,5.0	4R3	4	0	4,016,275:59:0	
1419	97	177	10:57:50.200	118IL110A111A4G	7STRP	0.00725,0.0,46,1	Slew =,3.01	4R3	4	0	4,016,275:75:0	
1420	97	177	10:58:40.866	118IL110A111B4G	7STRP	-0.021753,-0.007	Slew =0,5.0	4R3	4	0	4,016,276:60:0	
1421	97	177	10:58:51.533	118IL110A111B4H	7STRP	0.00725,0.0,46,1	Slew =,3.01	4R3	4	0	4,016,276:76:0	
1422	97	177	10:58:56.200	118IL11A	**SMOS**	GE		4R3	4	0	4,016,276:83:0	
1423	97	177	10:59:00.866	165AL4A	7SCAN	NORM,236.259998,	Check S/P Position	4R3	4	0	4,016,276:90:0	
1424	97	177	10:59:02.200	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,277:01:0	
1425	97	177	10:59:02.200		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *2761.33 +/-	4R3	4	0	4,016,277:01:0	
1426	97	177	10:59:03.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2760.33 +/-	4R3	4	0	4,016,277:02:8	
1427	97	177	10:59:52.866	117AL	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,016,277:77:0	
1428	97	177	11:00:02.200	117AL105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,016,278:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1429	97	177	11:01:33.533	117AL105A106A4B	7STRP	0.0075,0.0,0,0,0	Slew =12.01	4R3	4	0	4,016,279:46:0
1430	97	177	11:02:03.533	117AL105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,016,280:00:0
1431	97	177	11:03:34.866	117AL105A106A4D	7STRP	0.0075,0.0,0,0,0	Slew =12.01	4R3	4	0	4,016,281:46:0
1432	97	177	11:04:04.866	117AL105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,016,282:00:0
1433	97	177	11:04:14.866	488S6E	6TMSED	FILL,HL5	Sci, Eng, and D/L Chan	4R3	4	0	4,016,282:15:0
1434	97	177	11:05:36.200	117AL105A106A4F	7STRP	0.0075,0.0,0,0,0	Slew =12.01	4R3	4	0	4,016,283:46:0
1435	97	177	11:06:06.200	117AL105A106A4G	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,016,284:00:0
1436	97	177	11:07:37.533	117AL105A106B4A	7STRP	-0.023004,-0.007	Slew =12.01	4R3	4	0	4,016,285:46:0
1437	97	177	11:08:07.533	117AL105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,016,286:00:0
1438	97	177	11:09:27.533	488T6A	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	4R3	4	0	4,016,287:29:0
1439	97	177	11:09:38.866	117AL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,016,287:46:0
1440	97	177	11:09:44.866	165AM4A	7SCAN	NORM,236.237999,	Check S/P Position	4R3	4	0	4,016,287:55:0
1441	97	177	11:09:59.533	117AM	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,016,287:77:0
1442	97	177	11:10:08.866	117AM105A106A4A	7STRP	0.025005,0.0,0,0	Slew =,0.02	4R3	4	0	4,016,288:00:0
1443	97	177	11:11:07.533	488T6B	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	4R3	4	0	4,016,288:88:0
1444	**97**	**177**	**11:21:20.200**	**C9NNRELOAD01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
1445	**97**	**177**	**11:22:20.866**	**20EB6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**4R3**	**4**	**0**	**4,016,300:06:0**
1446	**97**	**177**	**11:23:21.533**	**20EB5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,016,301:06:0**
1447	**97**	**177**	**11:24:22.200**	**20EB5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,016,302:06:0**
1448	**97**	**177**	**11:25:22.866**	**20EB6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,016,303:06:0**
1449	**97**	**177**	**11:26:23.533**	**20EB6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,016,304:06:0**
1450	**97**	**177**	**11:27:24.200**	**20EB5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,016,305:06:0**
1451	**97**	**177**	**11:28:24.866**	**20EB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,016,306:06:0**
1452	**97**	**177**	**11:29:25.533**	**20EB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,016,307:06:0**
1453	**97**	**177**	**11:30:26.200**	**20EB4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,016,308:06:0**
1454	**97**	**177**	**11:31:26.866**	**C9NNRELOAD01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1455	97	177	11:32:54.200	117AM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,016,310:46:0
1456	**97**	**177**	**11:47:37.533**	**C9GNGLOBAL01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1457	97	177	11:48:33.533	165DI4A	7SCAN	NORM,268.294998,	Check S/P Position	2R3	4	0	4,016,325:90:0
1458	97	177	11:49:30.200	125DI11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,016,326:84:0
1459	97	177	11:49:30.200	125DI	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,016,326:84:0
1460	**97**	**177**	**11:49:30.200**	**125DI4A**	**37IST**	**1,2,0,OFF,0,1,2**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**3R3**	**4**	**0**	**4,016,326:84:0**
1461	97	177	11:50:30.866	127DI	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	4,016,327:84:0
1462	**97**	**177**	**11:50:31.533**	**127DI4A**	**37ETB**	**07,C7,02,3C,00,0**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**4,016,327:85:0**
1463	97	177	11:50:39.533	127DI11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	4,016,328:06:0
1464	97	177	11:51:24.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2760.33 +/-	3R3	4	0	4,016,328:73:0
1465	97	177	11:51:24.200	175DI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,016,328:73:0
1466	97	177	11:51:25.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2760.45 +/-	3R3	4	0	4,016,328:75:1
1467	97	177	11:51:26.866	117DI	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	4,016,328:77:0
1468	97	177	11:51:30.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2761.69 +/-	3R3	4	0	4,016,328:83:0
1469	97	177	11:51:32.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2761.75 +/-	3R3	4	0	4,016,328:84:8
1470	97	177	11:51:32.866	175DI176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	4,016,328:86:0
1471	97	177	11:51:33.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2761.63 +/-	3R3	4	0	4,016,328:86:9
1472	97	177	11:51:33.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2761.63 +/-	3R3	4	0	4,016,328:86:9
1473	97	177	11:51:34.866	165DI4B	7VECT		Inert vect update UTC	3R3	4	0	4,016,328:89:0
1474	**97**	**177**	**11:51:36.200**	**C9GNGLOBAL01-**	**NIMPBK**	**301DD**	**GLOBAL SURFACE MAP**	**3R3**	**4**	**0**	**: :**
1475	97	177	11:51:36.200	117DI105A106A4A	7STRP	-0.028207,0.0,0,	Slew =,0.03	3R3	4	0	4,016,329:00:0
1476	**97**	**177**	**12:04:44.897**	**C9GNGLOBAL01-**	**NIMPBK**	**301FU**	**GLOBAL SURFACE MAP**	**3R3**	**4**	**0**	**: :**
1477	**97**	**177**	**12:05:24.897**	**C9GNGLOBAL01-**	**DESELC**	**300FU**	**GLOBAL SURFACE MAP**	**3R3**	**4**	**0**	**: :**
1478	97	177	12:07:20.866	117DI105A106A4B	7STRP	0.028207,-0.0085	Slew =12.01	3R3	4	0	4,016,344:52:0
1479	97	177	12:07:29.533	117DI105A106A4C	7STRP	-0.028207,0.0,0,	Slew =,0.03	3R3	4	0	4,016,344:65:0
1480	**97**	**177**	**12:08:47.563**	**C9GNGLOBAL01-**	**NIMPBK**	**301FT**	**GLOBAL SURFACE MAP**	**3R3**	**4**	**0**	**: :**
1481	**97**	**177**	**12:10:49.563**	**C9GNGLOBAL01-**	**DESELC**	**300FT**	**GLOBAL SURFACE MAP**	**3R3**	**4**	**0**	**: :**
1482	**97**	**177**	**12:11:49.563**	**C9GNGLOBAL01-**	**NIMPBK**	**301FS**	**GLOBAL SURFACE MAP**	**3R3**	**4**	**0**	**: :**
1483	**97**	**177**	**12:13:51.563**	**C9GNGLOBAL01-**	**DESELC**	**300FS**	**GLOBAL SURFACE MAP**	**3R3**	**4**	**0**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	**97**	**177**	**12:20:55.563**	**C9GNGLOBAL01-**	**NIMPBK**	**301FK**	**GLOBAL SURFACE MAP**	**3R3**	**4**	**0**	**: :**	
1485	**97**	**177**	**12:21:56.466**	**C9GNGLOBAL01-**	**DESELC**	**300FK**	**GLOBAL SURFACE MAP**	**3R3**	**4**	**0**	**: :**	
1486	97	177	12:23:14.200	117DI105A106A4D	7STRP	0.028207,-0.0085	Slew =12.01	3R3	4	0	4,016,360:26:0	
1487	97	177	12:23:22.866	117DI105A106A4E	7STRP	-0.028207,0.0,0,	Slew =,0.03	3R3	4	0	4,016,360:39:0	
1488	97	177	12:39:07.533	117DI11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	4,016,376:00:0	
1489	**97**	**177**	**12:39:36.200**	**C9GNGLOBAL01-**	**DESELC**	**300DD**	**GLOBAL SURFACE MAP**	**3R3**	**4**	**0**	**: :**	
1490	97	177	12:39:46.200	175DI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	4,016,376:58:0	
1491	97	177	12:39:46.200	175DI422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,016,376:58:0	
1492	97	177	12:39:46.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2083.64 +/-	3R3	4	0	4,016,376:58:0	
1493	97	177	12:39:47.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2083.58 +/-	3R3	4	0	4,016,376:59:8	
1494	**97**	**177**	**12:40:12.200**	**C9GNGLOBAL01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
1495	97	177	12:41:08.200	165IM4A	7SCAN	NORM,237.492998,	Check S/P Position	3R3	4	0	4,016,377:90:0	
1496	97	177	12:45:00.866	175IL422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	3R3	4	0	4,016,381:75:0	
1497	97	177	12:45:00.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2083.58 +/-	3R3	4	0	4,016,381:75:0	
1498	97	177	12:45:02.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2083.70 +/-	3R3	4	0	4,016,381:77:1	
1499	97	177	12:45:03.533	118IM	**SMOS**	GS		3R3	4	0	4,016,381:79:0	
1500	97	177	12:45:07.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2084.94 +/-	3R3	4	0	4,016,381:85:0	
1501	97	177	12:45:08.733		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *2085.00 +/-	3R3	4	0	4,016,381:86:8	
1502	97	177	12:45:12.200	175IL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	3R3	4	0	4,016,382:01:0	
1503	97	177	12:45:12.733		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *2078.70 +/-	3R3	4	0	4,016,382:01:8	
1504	97	177	12:45:12.733		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 2078.70 +/-	3R3	4	0	4,016,382:01:8	
1505	97	177	12:45:13.533	118IM110A111A4A	7STRP	0.00725,0.0,46,0	Slew =,3.01	3R3	4	0	4,016,382:03:0	
1506	97	177	12:45:28.866	118IM110A111B4A	7STRP	-0.0085,0.00725,	Slew =0,5.0	3R3	4	0	4,016,382:26:0	
1507	97	177	12:45:44.200	118IM110A111B4B	7STRP	0.00725,0.0,46,0	Slew =,3.01	3R3	4	0	4,016,382:49:0	
1508	97	177	12:45:59.533	118IM110A111A4B	7STRP	-0.006,-0.00725,	Slew =0,5.0	3R3	4	0	4,016,382:72:0	
1509	97	177	12:46:14.866	118IM110A111A4C	7STRP	0.00725,0.0,46,0	Slew =,3.01	3R3	4	0	4,016,383:04:0	
1510	97	177	12:46:30.200	118IM110A111B4C	7STRP	-0.0085,0.00725,	Slew =0,5.0	3R3	4	0	4,016,383:27:0	
1511	97	177	12:46:45.533	118IM110A111B4D	7STRP	0.00725,0.0,46,0	Slew =,3.01	3R3	4	0	4,016,383:50:0	
1512	97	177	12:47:00.866	118IM110A111A4D	7STRP	-0.006,-0.00725,	Slew =0,5.0	3R3	4	0	4,016,383:73:0	
1513	97	177	12:47:16.200	118IM110A111A4E	7STRP	0.00725,0.0,46,0	Slew =,3.01	3R3	4	0	4,016,384:05:0	
1514	97	177	12:47:31.533	118IM110A111B4E	7STRP	-0.0085,0.00725,	Slew =0,5.0	3R3	4	0	4,016,384:28:0	
1515	97	177	12:47:46.866	118IM110A111B4F	7STRP	0.00725,0.0,46,0	Slew =,3.01	3R3	4	0	4,016,384:51:0	
1516	97	177	12:48:02.200	118IM110A111A4F	7STRP	-0.006,-0.00725,	Slew =0,5.0	3R3	4	0	4,016,384:74:0	
1517	97	177	12:48:17.533	118IM110A111A4G	7STRP	0.00725,0.0,46,0	Slew =,3.01	3R3	4	0	4,016,385:06:0	
1518	97	177	12:48:32.866	118IM110A111B4G	7STRP	-0.0085,0.00725,	Slew =0,5.0	3R3	4	0	4,016,385:29:0	
1519	97	177	12:48:48.200	118IM110A111B4H	7STRP	0.00725,0.0,46,0	Slew =,3.01	3R3	4	0	4,016,385:52:0	
1520	97	177	12:49:03.533	118IM11A	**SMOS**	GE		3R3	4	0	4,016,385:75:0	
1521	97	177	12:49:14.200	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,016,386:00:0	
1522	97	177	12:49:14.200		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *1229.79 +/-	3R3	4	0	4,016,386:00:0	
1523	97	177	12:49:15.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1228.79 +/-	3R3	4	0	4,016,386:01:8	
1524	97	177	12:50:14.200	165IN4A	7SCAN	NORM,247.646999,	Check S/P Position	3R3	4	0	4,016,386:90:0	
1525	97	177	12:54:09.533	118IN	**SMOS**	GS		3R3	4	0	4,016,390:79:0	
1526	97	177	12:54:16.200	165IN4B	7VECT		Inert vect update UTC	3R3	4	0	4,016,390:89:0	
1527	97	177	12:54:19.533	118IN110A111A4A	7STRP	-0.0005,0.0,26,0	Slew =,3.01	3R3	4	0	4,016,391:03:0	
1528	97	177	12:54:24.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1228.79 +/-	3R3	4	0	4,016,391:11:0	
1529	97	177	12:54:24.866	175IM422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	3R3	4	0	4,016,391:11:0	
1530	97	177	12:54:26.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1228.91 +/-	3R3	4	0	4,016,391:13:1	
1531	97	177	12:54:31.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1230.15 +/-	3R3	4	0	4,016,391:21:0	
1532	97	177	12:54:32.733		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *1230.21 +/-	3R3	4	0	4,016,391:22:8	
1533	97	177	12:54:36.200	175IM176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	3R3	4	0	4,016,391:28:0	
1534	97	177	12:54:36.733		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *1223.91 +/-	3R3	4	0	4,016,391:28:8	
1535	97	177	12:54:36.733		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 1223.91 +/-	3R3	4	0	4,016,391:28:8	
1536	97	177	12:54:36.866	118IN11A	**SMOS**	GE		3R3	4	0	4,016,391:29:0	
1537	97	177	12:54:43.533	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,016,391:39:0	
1538	97	177	12:54:43.533		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *1200.00 +/-	3R3	4	0	4,016,391:39:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	97	177	12:54:44.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1199.00 +/-	3R3	4	0	4,016,391:40:8	
1540	97	177	12:55:17.533	165IO4A	7SCAN	NORM,236.719,-21	Check S/P Position	3R3	4	0	4,016,391:90:0	
1541	97	177	12:59:12.866	118IO	**SMOS**	GS		3R3	4	0	4,016,395:79:0	
1542	97	177	12:59:19.533	165IO4B	7VECT		Inert vect update UTC	3R3	4	0	4,016,395:89:0	
1543	97	177	12:59:22.866	118IO110A111A4A	7STRP	-0.0005,0.0,26,0	Slew =,3.01	3R3	4	0	4,016,396:03:0	
1544	97	177	12:59:28.200	175IN422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	3R3	4	0	4,016,396:11:0	
1545	97	177	12:59:28.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1199.00 +/-	3R3	4	0	4,016,396:11:0	
1546	97	177	12:59:29.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1199.12 +/-	3R3	4	0	4,016,396:13:1	
1547	97	177	12:59:34.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1200.35 +/-	3R3	4	0	4,016,396:21:0	
1548	97	177	12:59:36.066		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *1200.41 +/-	3R3	4	0	4,016,396:22:8	
1549	97	177	12:59:39.533	175IN176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	3R3	4	0	4,016,396:28:0	
1550	97	177	12:59:40.066		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 1194.11 +/-	3R3	4	0	4,016,396:28:8	
1551	97	177	12:59:40.066		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *1194.11 +/-	3R3	4	0	4,016,396:28:8	
1552	97	177	12:59:40.200	118IO11A	**SMOS**	GE		3R3	4	0	4,016,396:29:0	
1553	97	177	12:59:47.533		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *1167.86 +/-	3R3	4	0	4,016,396:40:0	
1554	97	177	12:59:47.533	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,016,396:40:0	
1555	97	177	12:59:48.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1166.86 +/-	3R3	4	0	4,016,396:41:8	
1556	97	177	13:00:20.866	165AN4A	7SCAN	NORM,237.889999,	Check S/P Position	3R3	4	0	4,016,396:90:0	
1557	97	177	13:01:12.866	117AN	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	4,016,397:77:0	
1558	97	177	13:01:22.200	117AN105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	3R3	4	0	4,016,398:00:0	
1559	97	177	13:02:53.533	117AN105A106A4B	7STRP	0.006,0.0,0,0,0,	Slew =12.01	3R3	4	0	4,016,399:46:0	
1560	97	177	13:03:23.533	117AN105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	3R3	4	0	4,016,400:00:0	
1561	97	177	13:04:54.866	117AN105A106B4A	7STRP	0.0,-0.0075,0,0,	Slew =12.01	3R3	4	0	4,016,401:46:0	
1562	97	177	13:05:24.866	117AN105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	3R3	4	0	4,016,402:00:0	
1563	97	177	13:06:56.200	117AN105A106C4A	7STRP	0.006,0.0,0,0,0,	Slew =12.01	3R3	4	0	4,016,403:46:0	
1564	97	177	13:07:26.200	117AN105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	3R3	4	0	4,016,404:00:0	
1565	97	177	13:08:57.533	117AN11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	4,016,405:46:0	
1566	97	177	13:09:09.533	165AO4A	7SCAN	NORM,239.323999,	Check S/P Position	3R3	4	0	4,016,405:64:0	
1567	97	177	13:20:30.200	125LI	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	4,016,416:84:0	
1568	**97**	**177**	**13:20:30.200**	**125LI4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**4,016,416:84:0**	
1569	97	177	13:20:34.200	165AP4A	7SCAN	NORM,242.950998,	Check S/P Position	4R3	4	0	4,016,416:90:0	
1570	**97**	**177**	**13:20:38.800**	**C9JNAURMAP02+**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1571	97	177	13:21:30.866	125LI11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,016,417:84:0	
1572	**97**	**177**	**13:21:30.866**	**125LI4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,016,417:84:0**	
1573	97	177	13:22:31.533	127LI	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,016,418:84:0	
1574	**97**	**177**	**13:22:32.200**	**127LI4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,016,418:85:0**	
1575	97	177	13:22:40.200	127LI11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,016,419:06:0	
1576	**97**	**177**	**13:22:56.200**	**432EO6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,016,419:30:0**	
1577	**97**	**177**	**13:25:56.866**	**432EP6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,016,422:28:0**	
1578	97	177	13:27:34.866	125LJ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,016,423:84:0	
1579	**97**	**177**	**13:27:34.866**	**125LJ4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,016,423:84:0**	
1580	97	177	13:27:34.866	125LJ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,016,423:84:0	
1581	**97**	**177**	**13:53:00.133**	**C9JNAURMAP02+**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1582	97	177	13:53:56.200	165GL4A	7SCAN	NORM,283.281998,	Check S/P Position	4R3	4	0	4,016,449:90:0	
1583	97	177	13:57:50.200	117GL	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,016,453:77:0	
1584	97	177	13:57:58.200	165GL4B	7VECT		Inert vect update UTC	4R3	4	0	4,016,453:89:0	
1585	97	177	13:57:59.533	117GL105A106A4A	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,454:00:0	
1586	97	177	13:57:59.533	176GL6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,016,454:00:0	
1587	97	177	13:59:40.200	117GL105A106A4B	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,455:60:0	
1588	97	177	13:59:51.533	117GL105A106A4C	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,455:77:0	
1589	97	177	14:01:32.200	117GL105A106A4D	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,457:46:0	
1590	97	177	14:01:43.533	117GL105A106A4E	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,457:63:0	
1591	97	177	14:03:24.200	117GL105A106A4F	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,459:32:0	
1592	97	177	14:03:35.533	117GL105A106A4G	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,459:49:0	
1593	97	177	14:05:16.200	117GL105A106A4H	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,461:18:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	97	177	14:05:27.533	117GL105A106A4I	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,461	35:0
1595	97	177	14:07:08.200	117GL105A106A4J	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,463	04:0
1596	97	177	14:07:19.533	117GL105A106A4K	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,463	21:0
1597	97	177	14:09:00.200	117GL105A106A4L	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,464	81:0
1598	97	177	14:09:11.533	117GL105A106A4M	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,465	07:0
1599	97	177	14:10:52.200	117GL105A106A4N	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,466	67:0
1600	97	177	14:11:03.533	117GL105A106A4O	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,466	84:0
1601	97	177	14:12:44.200	117GL105A106A4P	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,468	53:0
1602	97	177	14:12:55.533	117GL105A106A4Q	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,468	70:0
1603	97	177	14:14:36.200	117GL105A106A4R	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,470	39:0
1604	97	177	14:14:47.533	117GL105A106A4S	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,470	56:0
1605	97	177	14:15:12.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,016,471	02:0
1606	97	177	14:15:12.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1166.86 +/-	4R3	4	0	4,016,471	02:0
1607	97	177	14:15:13.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1166.98 +/-	4R3	4	0	4,016,471	04:1
1608	97	177	14:15:18.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1168.22 +/-	4R3	4	0	4,016,471	12:0
1609	97	177	14:15:20.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1168.28 +/-	4R3	4	0	4,016,471	13:8
1610	97	177	14:15:21.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1168.16 +/-	4R3	4	0	4,016,471	15:9
1611	97	177	14:15:47.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1162.05 +/-	4R3	4	0	4,016,471	55:0
1612	97	177	14:16:10.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1156.74 +/-	4R3	4	0	4,016,471	89:0
1613	97	177	14:16:10.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,471	89:0
1614	97	177	14:16:11.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1156.68 +/-	4R3	4	0	4,016,471	90:8
1615	97	177	14:16:28.200	117GL105A106A4T	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,472	25:0
1616	97	177	14:16:39.533	117GL105A106A4U	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,472	42:0
1617	97	177	14:18:20.200	117GL105A106A4V	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,474	11:0
1618	97	177	14:18:31.533	117GL105A106A4W	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,474	28:0
1619	97	177	14:20:12.200	117GL105A106A4X	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,475	88:0
1620	97	177	14:20:23.533	117GL105A106A4Y	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,476	14:0
1621	97	177	14:22:04.200	117GL105A106A4Z	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,477	74:0
1622	97	177	14:22:15.533	117GL105A106A4AA	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,478	00:0
1623	97	177	14:23:56.200	117GL105A106A4AB	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,479	60:0
1624	97	177	14:24:07.533	117GL105A106A4AC	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,479	77:0
1625	97	177	14:25:48.200	117GL105A106A4AD	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,481	46:0
1626	97	177	14:25:59.533	117GL105A106A4AE	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,481	63:0
1627	97	177	14:27:40.200	117GL105A106A4AF	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,483	32:0
1628	97	177	14:27:51.533	117GL105A106A4AG	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,483	49:0
1629	97	177	14:29:32.200	117GL105A106A4AH	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,485	18:0
1630	97	177	14:29:43.533	117GL105A106A4AI	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,485	35:0
1631	97	177	14:31:24.200	117GL105A106A4AJ	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,487	04:0
1632	97	177	14:31:35.533	117GL105A106A4AK	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,487	21:0
1633	97	177	14:33:03.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1156.68 +/-	4R3	4	0	4,016,488	62:0
1634	97	177	14:33:03.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,016,488	62:0
1635	97	177	14:33:04.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1156.80 +/-	4R3	4	0	4,016,488	64:1
1636	97	177	14:33:10.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1158.03 +/-	4R3	4	0	4,016,488	72:0
1637	97	177	14:33:11.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1158.09 +/-	4R3	4	0	4,016,488	73:8
1638	97	177	14:33:12.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1157.97 +/-	4R3	4	0	4,016,488	75:9
1639	97	177	14:33:16.200	117GL105A106A4AL	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,488	81:0
1640	97	177	14:33:27.533	117GL105A106A4AM	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,489	07:0
1641	97	177	14:33:38.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1152.02 +/-	4R3	4	0	4,016,489	23:0
1642	97	177	14:34:00.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,489	57:0
1643	97	177	14:34:00.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1146.71 +/-	4R3	4	0	4,016,489	57:0
1644	97	177	14:34:02.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1146.65 +/-	4R3	4	0	4,016,489	58:8
1645	97	177	14:35:08.200	117GL105A106A4AN	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,490	67:0
1646	97	177	14:35:19.533	117GL105A106A4AO	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,490	84:0
1647	97	177	14:37:00.200	117GL105A106A4AP	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,492	53:0
1648	97	177	14:37:11.533	117GL105A106A4AQ	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,492	70:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	97	177	14:38:52.200	117GL105A106A4AR	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,494	39:0
1650	97	177	14:39:03.533	117GL105A106A4AS	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,494	56:0
1651	97	177	14:40:44.200	117GL105A106A4AT	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,496	25:0
1652	97	177	14:40:55.533	117GL105A106A4AU	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,496	42:0
1653	97	177	14:42:36.200	117GL105A106A4AV	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,498	11:0
1654	97	177	14:42:47.533	117GL105A106A4AW	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,498	28:0
1655	97	177	14:44:28.200	117GL105A106A4AX	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,499	88:0
1656	97	177	14:44:39.533	117GL105A106A4AY	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,500	14:0
1657	97	177	14:46:20.200	117GL105A106A4AZ	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,501	74:0
1658	97	177	14:46:31.533	117GL105A106A4BA	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,502	00:0
1659	97	177	14:48:12.200	117GL105A106A4BB	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,503	60:0
1660	97	177	14:48:23.533	117GL105A106A4BC	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,503	77:0
1661	97	177	14:50:04.200	117GL105A106A4BD	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,505	46:0
1662	97	177	14:50:15.533	117GL105A106A4BE	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,505	63:0
1663	97	177	14:50:54.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1146.65 +/-	4R3	4	0	4,016,506	31:0
1664	97	177	14:50:54.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,016,506	31:0
1665	97	177	14:50:56.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1146.77 +/-	4R3	4	0	4,016,506	33:1
1666	97	177	14:51:01.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1148.00 +/-	4R3	4	0	4,016,506	41:0
1667	97	177	14:51:02.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1148.06 +/-	4R3	4	0	4,016,506	42:8
1668	97	177	14:51:04.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1147.94 +/-	4R3	4	0	4,016,506	44:9
1669	97	177	14:51:29.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1141.99 +/-	4R3	4	0	4,016,506	83:0
1670	97	177	14:51:52.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,507	26:0
1671	97	177	14:51:52.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1136.67 +/-	4R3	4	0	4,016,507	26:0
1672	97	177	14:51:53.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1136.61 +/-	4R3	4	0	4,016,507	27:8
1673	97	177	14:51:56.200	117GL105A106A4BF	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,507	32:0
1674	97	177	14:52:07.533	117GL105A106A4BG	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,507	49:0
1675	97	177	14:53:48.200	117GL105A106A4BH	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,509	18:0
1676	97	177	14:53:59.533	117GL105A106A4BI	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,509	35:0
1677	97	177	14:55:40.200	117GL105A106A4BJ	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,511	04:0
1678	97	177	14:55:51.533	117GL105A106A4BK	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,511	21:0
1679	97	177	14:57:32.200	117GL105A106A4BL	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,512	81:0
1680	97	177	14:57:43.533	117GL105A106A4BM	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,513	07:0
1681	97	177	14:59:24.200	117GL105A106A4BN	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,514	67:0
1682	97	177	14:59:35.533	117GL105A106A4BO	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,514	84:0
1683	97	177	15:01:16.200	117GL105A106A4BP	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,516	53:0
1684	97	177	15:01:27.533	117GL105A106A4BQ	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,516	70:0
1685	97	177	15:03:08.200	117GL105A106A4BR	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,518	39:0
1686	97	177	15:03:19.533	117GL105A106A4BS	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,518	56:0
1687	97	177	15:05:00.200	117GL105A106A4BT	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,520	25:0
1688	97	177	15:05:11.533	117GL105A106A4BU	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,520	42:0
1689	97	177	15:06:52.200	117GL105A106A4BV	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,522	11:0
1690	97	177	15:07:03.533	117GL105A106A4BW	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,522	28:0
1691	97	177	15:08:44.200	117GL105A106A4BX	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,523	88:0
1692	97	177	15:08:46.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1136.61 +/-	4R3	4	0	4,016,524	00:0
1693	97	177	15:08:46.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,016,524	00:0
1694	97	177	15:08:47.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1136.73 +/-	4R3	4	0	4,016,524	02:1
1695	97	177	15:08:52.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1137.97 +/-	4R3	4	0	4,016,524	10:0
1696	97	177	15:08:54.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1138.03 +/-	4R3	4	0	4,016,524	11:8
1697	97	177	15:08:55.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1137.91 +/-	4R3	4	0	4,016,524	13:9
1698	97	177	15:08:55.533	117GL105A106A4BY	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,524	14:0
1699	97	177	15:09:20.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1131.96 +/-	4R3	4	0	4,016,524	52:0
1700	97	177	15:09:43.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1126.64 +/-	4R3	4	0	4,016,524	86:0
1701	97	177	15:09:43.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,524	86:0
1702	97	177	15:09:44.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1126.58 +/-	4R3	4	0	4,016,524	87:8
1703	97	177	15:10:36.200	117GL105A106A4BZ	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,525	74:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	97	177	15:10:47.533	117GL105A106A4CA	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,526	00:0
1705	97	177	15:12:28.200	117GL105A106A4CB	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,527	60:0
1706	97	177	15:12:39.533	117GL105A106A4CC	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,527	77:0
1707	97	177	15:14:20.200	117GL105A106A4CD	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,529	46:0
1708	97	177	15:14:31.533	117GL105A106A4CE	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,529	63:0
1709	97	177	15:16:12.200	117GL105A106A4CF	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,531	32:0
1710	97	177	15:16:23.533	117GL105A106A4CG	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,531	49:0
1711	97	177	15:18:04.200	117GL105A106A4CH	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,533	18:0
1712	97	177	15:18:15.533	117GL105A106A4CI	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,533	35:0
1713	97	177	15:19:56.200	117GL105A106A4CJ	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,535	04:0
1714	97	177	15:20:07.533	117GL105A106A4CK	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,535	21:0
1715	97	177	15:21:48.200	117GL105A106A4CL	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,536	81:0
1716	97	177	15:21:59.533	117GL105A106A4CM	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,537	07:0
1717	97	177	15:23:40.200	117GL105A106A4CN	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,538	67:0
1718	97	177	15:23:51.533	117GL105A106A4CO	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,538	84:0
1719	97	177	15:25:32.200	117GL105A106A4CP	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,540	53:0
1720	97	177	15:25:43.533	117GL105A106A4CQ	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,540	70:0
1721	97	177	15:26:37.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1126.58 +/-	4R3	4	0	4,016,541	60:0
1722	97	177	15:26:37.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,016,541	60:0
1723	97	177	15:26:38.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1126.70 +/-	4R3	4	0	4,016,541	62:1
1724	97	177	15:26:44.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1127.94 +/-	4R3	4	0	4,016,541	70:0
1725	97	177	15:26:45.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1128.00 +/-	4R3	4	0	4,016,541	71:8
1726	97	177	15:26:46.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1127.88 +/-	4R3	4	0	4,016,541	73:9
1727	97	177	15:27:12.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1121.92 +/-	4R3	4	0	4,016,542	21:0
1728	97	177	15:27:24.200	117GL105A106A4CR	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,542	39:0
1729	97	177	15:27:34.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1116.61 +/-	4R3	4	0	4,016,542	55:0
1730	97	177	15:27:34.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,542	55:0
1731	97	177	15:27:35.533	117GL105A106A4CS	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,542	56:0
1732	97	177	15:27:36.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1116.55 +/-	4R3	4	0	4,016,542	56:8
1733	97	177	15:29:16.200	117GL105A106A4CT	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,544	25:0
1734	97	177	15:29:27.533	117GL105A106A4CU	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,544	42:0
1735	97	177	15:31:08.200	117GL105A106A4CV	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,546	11:0
1736	97	177	15:31:19.533	117GL105A106A4CW	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,546	28:0
1737	97	177	15:33:00.200	117GL105A106A4CX	7STRP	0.042025,0.00127	Slew =12.01	4R3	4	0	4,016,547	88:0
1738	97	177	15:33:11.533	117GL105A106A4CY	7STRP	-0.042025,0.0,0,	Slew =,0.48	4R3	4	0	4,016,548	14:0
1739	97	177	15:34:52.200	117GL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,016,549	74:0
1740	97	177	15:35:03.533	176GL6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,016,550	00:0
1741	97	177	15:35:05.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,016,550	03:0
1742	97	177	15:35:05.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1116.55 +/-	4R3	4	0	4,016,550	03:0
1743	97	177	15:35:06.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1116.67 +/-	4R3	4	0	4,016,550	05:1
1744	97	177	15:35:12.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1117.91 +/-	4R3	4	0	4,016,550	13:0
1745	97	177	15:35:13.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1117.97 +/-	4R3	4	0	4,016,550	14:8
1746	97	177	15:35:14.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1117.85 +/-	4R3	4	0	4,016,550	16:9
1747	97	177	15:35:15.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1117.67 +/-	4R3	4	0	4,016,550	18:0
1748	97	177	15:35:30.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,550	40:0
1749	97	177	15:35:30.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1114.24 +/-	4R3	4	0	4,016,550	40:0
1750	97	177	15:35:31.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1114.18 +/-	4R3	4	0	4,016,550	41:8
1751	97	177	15:53:50.200	488T6C	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	4R3	4	0	4,016,568	52:0
1752	**97**	**177**	**15:55:20.800**	**C9ENCLIPSE01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1753	97	177	15:56:16.866	165DJ4A	7SCAN	NORM,270.760998,	Check S/P Position	4R3	4	0	4,016,570	90:0
1754	97	177	15:59:14.866	127DJ	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,016,573	84:0
1755	**97**	**177**	**15:59:14.866**	**127DJ4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**4R1**	**4**	**0**	**4,016,573**	**84:0**
1756	**97**	**177**	**15:59:15.533**	**127DJ4B**	**37ETB**		**Loads wavelength edit table**	**4R1**	**4**	**0**	**4,016,573**	**85:0**
1757	97	177	15:59:23.533	127DJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R1	4	0	4,016,574	06:0
1758	97	177	16:00:08.200	175DJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R1	4	0	4,016,574	73:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1759	97	177	16:00:08.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1114.18 +/-	4R1	4	0	4,016,574:73:0
1760	97	177	16:00:09.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1114.30 +/-	4R1	4	0	4,016,574:75:1
1761	97	177	16:00:10.866	117DJ	**CSMOS**	GS	***** GROUP START CSMOS	4R1	4	0	4,016,574:77:0
1762	97	177	16:00:14.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1115.53 +/-	4R1	4	0	4,016,574:83:0
1763	97	177	16:00:16.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1115.59 +/-	4R1	4	0	4,016,574:84:8
1764	97	177	16:00:16.866	175DJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R1	4	0	4,016,574:86:0
1765	97	177	16:00:17.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1115.47 +/-	4R1	4	0	4,016,574:86:9
1766	97	177	16:00:17.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1115.47 +/-	4R1	4	0	4,016,574:86:9
1767	97	177	16:00:20.200	117DJ105A106A4A	7STRP	0.003,0.0,0,0,0,	Slew =,0.06	4R1	4	0	4,016,575:00:0
1768	**97**	**177**	**16:00:20.200**	**C9ENCLIPSE01***	**NIMPBK**	**301DE**	**EUROPA ECLIPSE PART 1**	**4R1**	**4**	**0**	**: :**
1769	97	177	16:01:12.866	117DJ105A106A4B	7STRP	-0.0021,0.0,0,0,	Slew =0,1.4	4R1	4	0	4,016,575:79:0
1770	97	177	16:01:18.200	117DJ105A106A4C	7STRP	0.003,0.0,0,0,0,	Slew =,0.06	4R1	4	0	4,016,575:87:0
1771	97	177	16:02:10.866	117DJ105A106A4D	7STRP	-0.0021,0.0,0,0,	Slew =0,1.4	4R1	4	0	4,016,576:75:0
1772	97	177	16:02:16.200	117DJ105A106A4E	7STRP	0.003,0.0,0,0,0,	Slew =,0.06	4R1	4	0	4,016,576:83:0
1773	97	177	16:03:08.866	117DJ105A106A4F	7STRP	-0.0021,0.0,0,0,	Slew =0,1.4	4R1	4	0	4,016,577:71:0
1774	97	177	16:03:14.200	117DJ105A106A4G	7STRP	0.003,0.0,0,0,0,	Slew =,0.06	4R1	4	0	4,016,577:79:0
1775	97	177	16:04:06.866	117DJ105A106A4H	7STRP	-0.0021,0.0,0,0,	Slew =0,1.4	4R1	4	0	4,016,578:67:0
1776	97	177	16:04:12.200	117DJ105A106A4I	7STRP	0.003,0.0,0,0,0,	Slew =,0.06	4R1	4	0	4,016,578:75:0
1777	97	177	16:05:04.866	117DJ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R1	4	0	4,016,579:63:0
1778	**97**	**177**	**16:05:25.533**	**C9ENCLIPSE01***	**DESELC**	**300DE**	**EUROPA ECLIPSE PART 1**	**4R1**	**4**	**0**	**: :**
1779	97	177	16:05:35.533	175DJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R1	4	0	4,016,580:18:0
1780	97	177	16:05:35.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1040.92 +/-	4R1	4	0	4,016,580:18:0
1781	97	177	16:05:35.533	175DJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	4,016,580:18:0
1782	97	177	16:05:36.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1040.86 +/-	4R1	4	0	4,016,580:19:8
1783	97	177	16:06:23.533	165ME4A	7SCAN	NORM,271.528999,	Check S/P Position	4R1	4	0	4,016,580:90:0
1784	**97**	**177**	**16:06:28.134**	**C9ENRTECLI01-**		**-----START------**		**4R1**	**4**	**0**	**: :**
1785	**97**	**177**	**16:06:28.134**	**C9ENCLIPSE01-**		**-----STOP-------**		**4R1**	**4**	**0**	**: :**
1786	97	177	16:07:20.200	125LS11A	NIMSINIT	GE	##### GROUP END INIT	4R1	4	0	4,016,581:84:0
1787	97	177	16:07:20.200	125LS	NIMSINIT	GS	##### GROUP START INIT	4R1	4	0	4,016,581:84:0
1788	**97**	**177**	**16:07:20.200**	**125LS4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R1**	**4**	**0**	**4,016,581:84:0**
1789	97	177	16:08:20.866	127LS	NIMSTAB	GS	%%%%% GROUP START TAB	4R1	4	0	4,016,582:84:0
1790	**97**	**177**	**16:08:20.866**	**127LS4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**4R1**	**4**	**0**	**4,016,582:84:0**
1791	**97**	**177**	**16:08:21.533**	**127LS4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**4R1**	**4**	**0**	**4,016,582:85:0**
1792	97	177	16:08:29.533	127LS11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R1	4	0	4,016,583:06:0
1793	**97**	**177**	**16:08:45.533**	**432EY6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R1**	**4**	**0**	**4,016,583:30:0**
1794	97	177	16:09:16.866	117ME	**CSMOS**	GS	***** GROUP START CSMOS	4R1	4	0	4,016,583:77:0
1795	97	177	16:09:26.200	117ME105A106A4A	7STRP	-0.0035,0.0,0,0,	Slew =,0.03	4R1	4	0	4,016,584:00:0
1796	97	177	16:11:27.533	117ME11A	**CSMOS**	GE	***** GROUP END CSMOS	4R1	4	0	4,016,586:00:0
1797	**97**	**177**	**16:11:31.467**	**C9ENRTECLI01-**		**-----STOP-------**		**4R1**	**4**	**0**	**: :**
1798	**97**	**177**	**16:11:46.200**	**432EZ6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R1**	**4**	**0**	**4,016,586:28:0**
1799	97	177	16:13:24.200	125LT11A	NIMSINIT	GE	##### GROUP END INIT	4R1	4	0	4,016,587:84:0
1800	**97**	**177**	**16:13:24.200**	**125LT4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R1**	**4**	**0**	**4,016,587:84:0**
1801	97	177	16:13:24.200	125LT	NIMSINIT	GS	##### GROUP START INIT	4R1	4	0	4,016,587:84:0
1802	97	177	16:17:14.866	488T6D	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	4R1	4	0	4,016,591:66:0
1803	97	177	16:19:32.200	165GO4A	7SCAN	NORM,315.365997,	Check S/P Position	4R1	4	0	4,016,593:90:0
1804	97	177	16:23:26.200	117GO	**CSMOS**	GS	***** GROUP START CSMOS	4R1	4	0	4,016,597:77:0
1805	97	177	16:23:34.200	165GO4B	7VECT		Inert vect update UTC	4R1	4	0	4,016,597:89:0
1806	97	177	16:23:35.533	176GO6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R1	4	0	4,016,598:00:0
1807	97	177	16:23:35.533	117GO105A106A4A	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,598:00:0
1808	97	177	16:23:57.533	117GO105A106A4B	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,598:33:0
1809	97	177	16:24:09.533	117GO105A106A4C	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,598:51:0
1810	97	177	16:24:31.533	117GO105A106A4D	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,598:84:0
1811	97	177	16:24:43.533	117GO105A106A4E	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,599:11:0
1812	97	177	16:25:05.533	117GO105A106A4F	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,599:44:0
1813	97	177	16:25:17.533	117GO105A106A4G	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,599:62:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1814	97	177	16:25:39.533	117GO105A106A4H	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,600:04:0	
1815	97	177	16:25:51.533	117GO105A106A4I	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,600:22:0	
1816	97	177	16:26:13.533	117GO105A106A4J	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,600:55:0	
1817	97	177	16:26:25.533	117GO105A106A4K	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,600:73:0	
1818	97	177	16:26:47.533	117GO105A106A4L	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,601:15:0	
1819	97	177	16:26:59.533	117GO105A106A4M	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,601:33:0	
1820	97	177	16:27:21.533	117GO105A106A4N	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,601:66:0	
1821	97	177	16:27:33.533	117GO105A106A4O	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,601:84:0	
1822	97	177	16:27:55.533	117GO105A106A4P	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,602:26:0	
1823	97	177	16:28:07.533	117GO105A106A4Q	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,602:44:0	
1824	97	177	16:28:29.533	117GO105A106A4R	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,602:77:0	
1825	97	177	16:28:41.533	117GO105A106A4S	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,603:04:0	
1826	97	177	16:29:03.533	117GO105A106A4T	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,603:37:0	
1827	97	177	16:29:15.533	117GO105A106A4U	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,603:55:0	
1828	97	177	16:29:37.533	117GO105A106A4V	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,603:88:0	
1829	97	177	16:29:49.533	117GO105A106A4W	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,604:15:0	
1830	97	177	16:30:11.533	117GO105A106A4X	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,604:48:0	
1831	97	177	16:30:23.533	117GO105A106A4Y	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,604:66:0	
1832	97	177	16:30:45.533	117GO105A106A4Z	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,605:08:0	
1833	97	177	16:30:57.533	117GO105A106A4AA	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,605:26:0	
1834	97	177	16:31:19.533	117GO105A106A4AB	7STRP	0.0074,0.0005,0,	Slew =12.01	4R1	4	0	4,016,605:59:0	
1835	97	177	16:31:31.533	117GO105A106A4AC	7STRP	-0.007,0.001,0,0	Slew =,0.48	4R1	4	0	4,016,605:77:0	
1836	97	177	16:31:53.533	117GO11A	**CSMOS**	GE	***** GROUP END CSMOS	4R1	4	0	4,016,606:19:0	
1837	97	177	16:34:42.866	176GO6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R1	4	0	4,016,609:00:0	
1838	97	177	16:34:44.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1040.86 +/-	4R1	4	0	4,016,609:03:0	
1839	97	177	16:34:44.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R1	4	0	4,016,609:03:0	
1840	97	177	16:34:46.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1040.98 +/-	4R1	4	0	4,016,609:05:1	
1841	97	177	16:34:51.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1042.22 +/-	4R1	4	0	4,016,609:13:0	
1842	97	177	16:34:52.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1042.28 +/-	4R1	4	0	4,016,609:14:8	
1843	97	177	16:34:54.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1042.16 +/-	4R1	4	0	4,016,609:16:9	
1844	97	177	16:34:54.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1041.99 +/-	4R1	4	0	4,016,609:18:0	
1845	97	177	16:35:12.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1037.92 +/-	4R1	4	0	4,016,609:44:0	
1846	97	177	16:35:12.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	4,016,609:44:0	
1847	97	177	16:35:13.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1037.86 +/-	4R1	4	0	4,016,609:45:8	
1848	**97**	**177**	**16:35:47.533**	**C9HNDARK__02-**		**-----START------**		**4R1**	**4**	**0**	**: :**	
1849	97	177	16:36:43.533	165DK4A	7SCAN	NORM,259.005997,	Check S/P Position	4R1	4	0	4,016,610:90:0	
1850	97	177	16:38:40.866	125DK	NIMSINIT	GS	##### GROUP START INIT	4R1	4	0	4,016,612:84:0	
1851	97	177	16:38:40.866	125DK11A	NIMSINIT	GE	##### GROUP END INIT	4R1	4	0	4,016,612:84:0	
1852	**97**	**177**	**16:38:40.866**	**125DK4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R1**	**4**	**0**	**4,016,612:84:0**	
1853	97	177	16:39:41.533	127DK	NIMSTAB	GS	%%%%% GROUP START TAB	2R1	4	0	4,016,613:84:0	
1854	**97**	**177**	**16:39:41.533**	**127DK4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,016,613:84:0**	
1855	**97**	**177**	**16:39:42.200**	**127DK4B**	**37ETB**	**0A,CA,1D,FF,FF,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,016,613:85:0**	
1856	97	177	16:39:50.200	127DK11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,016,614:06:0	
1857	97	177	16:40:34.866	175DK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,016,614:73:0	
1858	97	177	16:40:34.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1037.86 +/-	2R3	4	0	4,016,614:73:0	
1859	97	177	16:40:36.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1037.98 +/-	2R3	4	0	4,016,614:75:1	
1860	97	177	16:40:37.533	117DK	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,016,614:77:0	
1861	97	177	16:40:41.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1039.22 +/-	2R3	4	0	4,016,614:83:0	
1862	97	177	16:40:42.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1039.28 +/-	2R3	4	0	4,016,614:84:8	
1863	97	177	16:40:43.533	175DK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,016,614:86:0	
1864	97	177	16:40:44.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1039.16 +/-	2R3	4	0	4,016,614:86:9	
1865	97	177	16:40:44.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1039.16 +/-	2R3	4	0	4,016,614:86:9	
1866	**97**	**177**	**16:40:46.866**	**C9HNDARK__02-**	**NIMPBK**	**301DF**	**NIMS DARK OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1867	97	177	16:40:46.866	117DK105A106A4A	7STRP	-0.0017,0.0,0,0,	Slew =,0.03	2R3	4	0	4,016,615:00:0	
1868	**97**	**177**	**16:41:46.866**	**C9HNDARK__02-**	**DESELC**	**300DF**	**NIMS DARK OBSERVATION**	**2R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	97	177	16:41:47.533	117DK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,016,616:00:0	
1870	**97**	**177**	**16:41:51.533**	**C9HNDARK__02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1871	97	177	16:41:58.866	175DK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,016,616:17:0	
1872	97	177	16:41:58.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1021.64 +/-	2R3	4	0	4,016,616:17:0	
1873	97	177	16:41:58.866	175DK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,016,616:17:0	
1874	97	177	16:42:00.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1021.58 +/-	2R3	4	0	4,016,616:18:8	
1875	97	177	16:42:47.533	165IP4A	7SCAN	NORM,248.868999,	Check S/P Position	2R3	4	0	4,016,616:90:0	
1876	97	177	16:46:54.866	118IP	**SMOS**	GS		2R3	4	0	4,016,621:06:0	
1877	97	177	16:46:55.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1021.58 +/-	2R3	4	0	4,016,621:07:0	
1878	97	177	16:46:55.533	175IO422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,016,621:07:0	
1879	97	177	16:46:56.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1021.70 +/-	2R3	4	0	4,016,621:09:1	
1880	97	177	16:47:02.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1022.94 +/-	2R3	4	0	4,016,621:17:0	
1881	97	177	16:47:03.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *1023.00 +/-	2R3	4	0	4,016,621:18:8	
1882	97	177	16:47:06.866	175IO176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,016,621:24:0	
1883	97	177	16:47:07.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *1016.70 +/-	2R3	4	0	4,016,621:24:8	
1884	97	177	16:47:07.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 1016.70 +/- 1	2R3	4	0	4,016,621:24:8	
1885	97	177	16:47:08.200	118IP110A111A4A	7STRP	0.00725,0.0,46,0	Slew =,3.01	2R3	4	0	4,016,621:26:0	
1886	97	177	16:47:38.866	118IP11A	**SMOS**	GE		2R3	4	0	4,016,621:72:0	
1887	97	177	16:47:52.200		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC * 859.20 +/- 1	2R3	4	0	4,016,622:01:0	
1888	97	177	16:47:52.200	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,016,622:01:0	
1889	97	177	16:47:53.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 858.20 +/- 1	2R3	4	0	4,016,622:02:8	
1890	**97**	**177**	**16:47:55.533**	**C9GNDRKLIT01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1891	97	177	16:48:51.533	165DL4A	7SCAN	NORM,325.105,-13	Check S/P Position	2R3	4	0	4,016,622:90:0	
1892	97	177	16:50:48.866	125DL11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,016,624:84:0	
1893	97	177	16:50:48.866	125DL	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,016,624:84:0	
1894	**97**	**177**	**16:50:48.866**	**125DL4A**	**37IST**	**1,2,0,OFF,0,1,2**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**3R3**	**4**	**0**	**4,016,624:84:0**	
1895	97	177	16:51:49.533	127DL	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	4,016,625:84:0	
1896	**97**	**177**	**16:51:50.200**	**127DL4A**	**37ETB**	**07,C7,02,3C,00,0**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**4,016,625:85:0**	
1897	97	177	16:51:58.200	127DL11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	4,016,626:06:0	
1898	97	177	16:52:42.866	175DL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,016,626:73:0	
1899	97	177	16:52:42.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 858.20 +/- 1	3R3	4	0	4,016,626:73:0	
1900	97	177	16:52:44.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 858.32 +/- 1	3R3	4	0	4,016,626:75:1	
1901	97	177	16:52:45.533	117DL	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	4,016,626:77:0	
1902	97	177	16:52:49.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 859.55 +/- 1	3R3	4	0	4,016,626:83:0	
1903	97	177	16:52:50.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 859.61 +/- 1	3R3	4	0	4,016,626:84:8	
1904	97	177	16:52:51.533	175DL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	4,016,626:86:0	
1905	97	177	16:52:52.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 859.49 +/- 1	3R3	4	0	4,016,626:86:9	
1906	97	177	16:52:52.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 859.49 +/- 1	3R3	4	0	4,016,626:86:9	
1907	97	177	16:52:53.533	165DL4B	7VECT		Inert vect update UTC	3R3	4	0	4,016,626:89:0	
1908	**97**	**177**	**16:52:54.866**	**C9GNDRKLIT01-**	**NIMPBK**	**301DG**	**DARK AND LIGHT TRANSITION**	**3R3**	**4**	**0**	**: :**	
1909	97	177	16:52:54.866	117DL105A106A4A	7STRP	0.012101,0.0003,	Slew =,0.03	3R3	4	0	4,016,627:00:0	
1910	97	177	16:59:46.200	117DL105A106B4A	7STRP	-0.025005,0.0060	Slew =0,9.5	3R3	4	0	4,016,633:71:0	
1911	97	177	16:59:59.533	117DL105A106B4B	7STRP	0.03892,-0.00420	Slew =,0.03	3R3	4	0	4,016,634:00:0	
1912	**97**	**177**	**17:04:02.219**	**C9GNDRKLIT01-**	**NIMPBK**	**301FI**	**DARK AND LIGHT TRANSITION**	**3R3**	**4**	**0**	**: :**	
1913	**97**	**177**	**17:06:34.219**	**C9GNDRKLIT01-**	**DESELC**	**300FI**	**DARK AND LIGHT TRANSITION**	**3R3**	**4**	**0**	**: :**	
1914	**97**	**177**	**17:08:10.000**	**C9GNDRKLIT01-**	**NIMPBK**	**301FA**	**DARK AND LIGHT TRANSITION**	**3R3**	**4**	**0**	**: :**	
1915	**97**	**177**	**17:09:10.667**	**C9GNDRKLIT01-**	**DESELC**	**300FA**	**DARK AND LIGHT TRANSITION**	**3R3**	**4**	**0**	**: :**	
1916	**97**	**177**	**17:18:30.000**	**C9GNDRKLIT01-**	**NIMPBK**	**301FV**	**DARK AND LIGHT TRANSITION**	**3R3**	**4**	**0**	**: :**	
1917	**97**	**177**	**17:19:06.000**	**C9GNDRKLIT01-**	**DESELC**	**300FV**	**DARK AND LIGHT TRANSITION**	**3R3**	**4**	**0**	**: :**	
1918	**97**	**177**	**17:22:01.533**	**C9GNDRKLIT01-**	**DESELC**	**300DG**	**DARK AND LIGHT TRANSITION**	**3R3**	**4**	**0**	**: :**	
1919	97	177	17:22:11.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 447.13 +/- 1	3R3	4	0	4,016,655:87:0	
1920	97	177	17:22:11.533	175DL422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,016,655:87:0	
1921	97	177	17:22:11.533	175DL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	4,016,655:87:0	
1922	97	177	17:22:12.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 447.07 +/- 1	3R3	4	0	4,016,655:88:8	
1923	97	177	17:22:14.200	117DL11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	4,016,656:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1924	**97**	**177**	**17:22:18.199**	**C9GNDRKLIT01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
1925	**97**	**177**	**17:22:18.199**	**C9GNBRILED01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1926	97	177	17:23:14.200	165DN4A	7SCAN	NORM,336.570999,	Check S/P Position	3R3	4	0	4,016,656:90:0	
1927	97	177	17:27:05.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 447.07 +/- 1	3R3	4	0	4,016,660:73:0	
1928	97	177	17:27:05.533	175DN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,016,660:73:0	
1929	97	177	17:27:06.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 447.19 +/- 1	3R3	4	0	4,016,660:75:1	
1930	97	177	17:27:08.200	117DN	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	4,016,660:77:0	
1931	97	177	17:27:12.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 448.43 +/- 1	3R3	4	0	4,016,660:83:0	
1932	97	177	17:27:13.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 448.49 +/- 1	3R3	4	0	4,016,660:84:8	
1933	97	177	17:27:14.200	175DN176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	4,016,660:86:0	
1934	97	177	17:27:14.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 448.37 +/- 1	3R3	4	0	4,016,660:86:9	
1935	97	177	17:27:14.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 448.37 +/- 1	3R3	4	0	4,016,660:86:9	
1936	97	177	17:27:16.200	165DN4B	7VECT		Inert vect update UTC	3R3	4	0	4,016,660:89:0	
1937	97	177	17:27:17.533	117DN105A106A4A	7STRP	0.01,0.0,0,0,0,0	Slew =,0.03	3R3	4	0	4,016,661:00:0	
1938	**97**	**177**	**17:27:17.533**	**C9GNBRILED01-**	**NIMPBK**	**301DH**	**BRIGHT ENDMEMBER LEAD HEMISPHERE**	**3R3**	**4**	**0**	**: :**	
1939	97	177	17:32:52.866	117DN105A106A4B	7STRP	-0.01,0.007502,0	Slew =,6.01	3R3	4	0	4,016,666:48:0	
1940	97	177	17:33:01.533	117DN105A106A4C	7STRP	0.01,0.0,0,0,0,0	Slew =,0.03	3R3	4	0	4,016,666:61:0	
1941	**97**	**177**	**17:38:35.533**	**C9GNBRILED01-**	**DESELC**	**300DH**	**BRIGHT ENDMEMBER LEAD HEMISPHERE**	**3R3**	**4**	**0**	**: :**	
1942	97	177	17:38:36.866	117DN11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	4,016,672:18:0	
1943	97	177	17:38:37.533	175DN422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,016,672:19:0	
1944	97	177	17:38:37.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 288.35 +/- 1	3R3	4	0	4,016,672:19:0	
1945	97	177	17:38:37.533	175DN6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	4,016,672:19:0	
1946	97	177	17:38:38.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 288.29 +/- 1	3R3	4	0	4,016,672:20:8	
1947	97	177	17:39:24.866	165CA4A	7SCAN	NORM,277.155998,	Check S/P Position	3R3	4	0	4,016,672:90:0	
1948	**97**	**177**	**17:39:29.532**	**C9GNBRILED01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
1949	97	177	17:43:21.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 288.29 +/- 1	3R3	4	0	4,016,676:81:0	
1950	97	177	17:43:21.533	465KF6A	6DTRN	CMD,6DTRN,465KF6	DMS TRACK TURNAROUND	3R3	4	0	4,016,676:81:0	
1951	97	177	17:43:21.533		DMS:	: *DMS-TURN	P7, TRACK 2, REV, TIC 288.29 +/- 1	3R3	4	0	4,016,676:81:0	
1952	97	177	17:43:22.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 288.41 +/- 1	3R3	4	0	4,016,676:83:1	
1953	97	177	17:43:26.866	165CA4B	7VECT		Inert vect update UTC	3R3	4	0	4,016,676:89:0	
1954	97	177	17:43:28.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 289.65 +/- 1	3R3	4	0	4,016,677:00:0	
1955	97	177	17:43:29.400		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC * 289.71 +/- 1	3R3	4	0	4,016,677:01:8	
1956	97	177	17:43:30.800		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC * 289.59 +/- 1	3R3	4	0	4,016,677:03:9	
1957	97	177	17:49:53.533		DMS:	: *REVERSE	P7, TRACK 2, REV, TIC * 199.87 +/- 1	3R3	4	0	4,016,683:32:0	
1958	97	177	17:49:54.733		DMS:	: *RUNUP	P7, TRACK 3, FWD, TIC 199.81 +/- 1	3R3	4	0	4,016,683:33:8	
1959	97	177	17:49:54.733		DMS:	: *TURNARND	P7, TRACK *3, *FWD, TIC * 199.81 +/- 1	3R3	4	0	4,016,683:33:8	
1960	97	177	17:49:56.133		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC * 199.93 +/-	3R3	4	0	4,016,683:35:9	
1961	97	177	17:50:08.133		DMS:	: *AUTOSTOP	P7, TRACK 3, FWD, TIC * 202.06 +/-	3R3	4	0	4,016,683:53:9	
1962	97	177	17:50:09.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 202.12 +/-	3R3	4	0	4,016,683:55:7	
1963	97	177	17:51:32.866	165IQ4A	7SCAN	NORM,346.127998,	Check S/P Position	3R3	4	0	4,016,684:90:0	
1964	**97**	**177**	**17:54:30.866**	**125LK4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**3R3**	**4**	**0**	**4,016,687:84:0**	
1965	97	177	17:54:30.866	125LK	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	4,016,687:84:0	
1966	97	177	17:54:30.866	125LK11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	4,016,687:84:0	
1967	**97**	**177**	**17:55:00.199**	**C9GNRTSULC01+**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1968	97	177	17:55:26.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 202.12 +/-	3R3	4	0	4,016,688:76:0	
1969	97	177	17:55:26.200	175IP422A6A	6DMSC	R806,3	DMS Control	3R3	4	0	4,016,688:76:0	
1970	97	177	17:55:28.200	118IQ	**SMOS**	GS		3R3	4	0	4,016,688:79:0	
1971	97	177	17:55:31.533	127LK	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	4,016,688:84:0	
1972	**97**	**177**	**17:55:32.200**	**127LK4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**4,016,688:85:0**	
1973	97	177	17:55:32.866		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 202.12 +/-	3R3	4	0	4,016,688:86:0	
1974	97	177	17:55:34.866	165IQ4B	7VECT		Inert vect update UTC	3R3	4	0	4,016,688:89:0	
1975	97	177	17:55:37.533	175IP176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	4,016,689:02:0	
1976	97	177	17:55:38.133		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC * 268.12 +/-	3R3	4	0	4,016,689:02:9	
1977	97	177	17:55:38.133		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 268.12 +/-	3R3	4	0	4,016,689:02:9	
1978	97	177	17:55:38.200	118IQ110A111A4A	7STRP	0.00762,0.0,26,0	Slew =,3.01	3R3	4	0	4,016,689:03:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1979	97	177	17:55:40.200	127LK11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	4,016,689:06:0	
1980	**97**	**177**	**17:55:56.200**	**432EQ6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**3R3**	**4**	**0**	**4,016,689:30:0**	
1981	97	177	17:56:04.200	118IQ11A	**SMOS**	GE		3R3	4	0	4,016,689:42:0	
1982	97	177	17:56:10.866	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,016,689:52:0	
1983	97	177	17:56:10.866		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *1073.67 +/-	3R3	4	0	4,016,689:52:0	
1984	97	177	17:56:13.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1085.17 +/-	3R3	4	0	4,016,689:56:1	
1985	**97**	**177**	**17:57:00.199**	**C9GNRTSULC01+**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
1986	**97**	**177**	**17:57:56.200**	**432ER6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**3R3**	**4**	**0**	**4,016,691:28:0**	
1987	97	177	17:59:34.200	125LL11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	4,016,692:84:0	
1988	97	177	17:59:34.200	125LL	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	4,016,692:84:0	
1989	**97**	**177**	**17:59:34.200**	**125LL4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**3R3**	**4**	**0**	**4,016,692:84:0**	
1990	97	177	18:02:40.200	165GS4A	7SCAN	NORM,348.821999,	Check S/P Position	3R3	4	0	4,016,695:90:0	
1991	97	177	18:03:32.200	117GS	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	4,016,696:77:0	
1992	97	177	18:03:40.200	165GS4B	7VECT		Inert vect update UTC	3R3	4	0	4,016,696:89:0	
1993	97	177	18:03:41.533	117GS105A106A4A	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,697:00:0	
1994	97	177	18:03:41.533	176GS6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	4,016,697:00:0	
1995	97	177	18:04:32.200	117GS105A106A4B	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,697:76:0	
1996	97	177	18:04:38.866	117GS105A106A4C	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,697:86:0	
1997	97	177	18:05:29.533	117GS105A106A4D	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,698:71:0	
1998	97	177	18:05:36.200	117GS105A106A4E	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,698:81:0	
1999	97	177	18:06:26.866	117GS105A106A4F	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,699:66:0	
2000	97	177	18:06:33.533	117GS105A106A4G	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,699:76:0	
2001	97	177	18:07:24.200	117GS105A106A4H	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,700:61:0	
2002	97	177	18:07:30.866	117GS105A106A4I	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,700:71:0	
2003	97	177	18:08:21.533	117GS105A106A4J	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,701:56:0	
2004	97	177	18:08:28.200	117GS105A106A4K	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,701:66:0	
2005	97	177	18:09:18.866	117GS105A106A4L	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,702:51:0	
2006	97	177	18:09:25.533	117GS105A106A4M	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,702:61:0	
2007	97	177	18:10:16.200	117GS105A106A4N	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,703:46:0	
2008	97	177	18:10:22.866	117GS105A106A4O	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,703:56:0	
2009	97	177	18:11:13.533	117GS105A106A4P	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,704:41:0	
2010	97	177	18:11:20.200	117GS105A106A4Q	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,704:51:0	
2011	97	177	18:12:10.866	117GS105A106A4R	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,705:36:0	
2012	97	177	18:12:17.533	117GS105A106A4S	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,705:46:0	
2013	97	177	18:13:08.200	117GS105A106A4T	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,706:31:0	
2014	97	177	18:13:14.866	117GS105A106A4U	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,706:41:0	
2015	97	177	18:14:05.533	117GS105A106A4V	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,707:26:0	
2016	97	177	18:14:12.200	117GS105A106A4W	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,707:36:0	
2017	97	177	18:15:02.866	117GS105A106A4X	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,708:21:0	
2018	97	177	18:15:09.533	117GS105A106A4Y	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,708:31:0	
2019	97	177	18:16:00.200	117GS105A106A4Z	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,709:16:0	
2020	97	177	18:16:06.866	117GS105A106A4AA	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,709:26:0	
2021	97	177	18:16:57.533	117GS105A106A4AB	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,710:11:0	
2022	97	177	18:17:04.200	117GS105A106A4AC	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,710:21:0	
2023	97	177	18:17:54.866	117GS105A106A4AD	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,711:06:0	
2024	97	177	18:18:01.533	117GS105A106A4AE	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,711:16:0	
2025	97	177	18:18:52.200	117GS105A106A4AF	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,712:01:0	
2026	97	177	18:18:58.866	117GS105A106A4AG	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,712:11:0	
2027	97	177	18:19:49.533	117GS105A106A4AH	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,712:87:0	
2028	97	177	18:19:56.200	117GS105A106A4AI	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,713:06:0	
2029	97	177	18:20:46.866	117GS105A106A4AJ	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,713:82:0	
2030	97	177	18:20:53.533	117GS105A106A4AK	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,714:01:0	
2031	97	177	18:20:54.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1085.17 +/-	3R3	4	0	4,016,714:02:0	
2032	97	177	18:20:54.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,016,714:02:0	
2033	97	177	18:21:00.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1085.17 +/-	3R3	4	0	4,016,714:12:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2034	97	177	18:21:02.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *1085.29 +/-	3R3	4	0	4,016,714:14:1	
2035	97	177	18:21:29.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1091.68 +/-	3R3	4	0	4,016,714:55:0	
2036	97	177	18:21:44.200	117GS105A106A4AL	7STRP	-0.022004,-0.001	Slew =12.01	3R3	4	0	4,016,714:77:0	
2037	97	177	18:21:50.866	117GS105A106A4AM	7STRP	0.022004,0.0,0,0	Slew =,0.48	3R3	4	0	4,016,714:87:0	
2038	97	177	18:21:52.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,016,714:89:0	
2039	97	177	18:21:52.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1096.99 +/-	3R3	4	0	4,016,714:89:0	
2040	97	177	18:21:53.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1097.05 +/-	3R3	4	0	4,016,714:90:8	
2041	97	177	18:22:41.533	117GS11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	4,016,715:72:0	
2042	97	177	18:24:55.533	176GS6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	4,016,718:00:0	
2043	97	177	18:24:57.533		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1097.05 +/-	3R3	4	0	4,016,718:03:0	
2044	97	177	18:24:57.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,016,718:03:0	
2045	97	177	18:25:04.200		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1097.05 +/-	3R3	4	0	4,016,718:13:0	
2046	97	177	18:25:05.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *1097.17 +/-	3R3	4	0	4,016,718:15:1	
2047	97	177	18:25:07.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1097.63 +/-	3R3	4	0	4,016,718:18:0	
2048	97	177	18:25:19.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,016,718:36:0	
2049	97	177	18:25:19.533		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1100.44 +/-	3R3	4	0	4,016,718:36:0	
2050	97	177	18:25:20.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1100.50 +/-	3R3	4	0	4,016,718:37:8	
2051	**97**	**177**	**18:45:12.800**	**C9ENCLIPSE03-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
2052	97	177	18:46:08.866	165DO4A	7SCAN	NORM,281.348999,	Check S/P Position	3R3	4	0	4,016,738:90:0	
2053	97	177	18:48:06.200	125DO	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	4,016,740:84:0	
2054	**97**	**177**	**18:48:06.200**	**125DO4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**4,016,740:84:0**	
2055	97	177	18:48:06.200	125DO11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,016,740:84:0	
2056	**97**	**177**	**18:49:06.866**	**127DO4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**4R1**	**4**	**0**	**4,016,741:84:0**	
2057	97	177	18:49:06.866	127DO	NIMSTAB	GS	%%%%% GROUP START TAB	4R1	4	0	4,016,741:84:0	
2058	**97**	**177**	**18:49:07.533**	**127DO4B**	**37ETB**		**Loads wavelength edit table**	**4R1**	**4**	**0**	**4,016,741:85:0**	
2059	97	177	18:49:15.533	127DO11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R1	4	0	4,016,742:06:0	
2060	97	177	18:50:00.866	175DO422A6A	6DMSC	R7,3	DMS Control	4R1	4	0	4,016,742:74:0	
2061	97	177	18:50:00.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1100.50 +/-	4R1	4	0	4,016,742:74:0	
2062	97	177	18:50:02.866	117DO	**CSMOS**	GS	***** GROUP START CSMOS	4R1	4	0	4,016,742:77:0	
2063	97	177	18:50:07.533		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1100.50 +/-	4R1	4	0	4,016,742:84:0	
2064	97	177	18:50:08.866	175DO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R1	4	0	4,016,742:86:0	
2065	97	177	18:50:08.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1100.62 +/-	4R1	4	0	4,016,742:86:1	
2066	97	177	18:50:08.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1100.62 +/-	4R1	4	0	4,016,742:86:1	
2067	**97**	**177**	**18:50:12.200**	**C9ENCLIPSE03-**	**NIMPBK**	**301DI**	**EUROPA ECLIPSE PART 3**	**4R1**	**4**	**0**	**: :**	
2068	97	177	18:50:12.200	117DO105A106A4A	7STRP	0.003,0.0,0,0,0,	Slew =,0.06	4R1	4	0	4,016,743:00:0	
2069	97	177	18:51:04.866	117DO105A106A4B	7STRP	-0.002,0.0,0,0,0	Slew =0,1.4	4R1	4	0	4,016,743:79:0	
2070	97	177	18:51:10.200	117DO105A106A4C	7STRP	0.003,0.0,0,0,0,	Slew =,0.06	4R1	4	0	4,016,743:87:0	
2071	97	177	18:52:02.866	117DO105A106A4D	7STRP	-0.002,0.0,0,0,0	Slew =0,1.4	4R1	4	0	4,016,744:75:0	
2072	97	177	18:52:08.200	117DO105A106A4E	7STRP	0.003,0.0,0,0,0,	Slew =,0.06	4R1	4	0	4,016,744:83:0	
2073	97	177	18:53:00.866	117DO105A106A4F	7STRP	-0.002,0.0,0,0,0	Slew =0,1.4	4R1	4	0	4,016,745:71:0	
2074	97	177	18:53:06.200	117DO105A106A4G	7STRP	0.003,0.0,0,0,0,	Slew =,0.06	4R1	4	0	4,016,745:79:0	
2075	97	177	18:53:58.866	117DO105A106A4H	7STRP	-0.002,0.0,0,0,0	Slew =0,1.4	4R1	4	0	4,016,746:67:0	
2076	97	177	18:54:04.200	117DO105A106A4I	7STRP	0.003,0.0,0,0,0,	Slew =,0.06	4R1	4	0	4,016,746:75:0	
2077	**97**	**177**	**18:54:54.866**	**C9ENCLIPSE03-**	**DESELC**	**300DI**	**EUROPA ECLIPSE PART 3**	**4R1**	**4**	**0**	**: :**	
2078	97	177	18:54:56.866	117DO11A	**CSMOS**	GE	***** GROUP END CSMOS	4R1	4	0	4,016,747:63:0	
2079	97	177	18:55:14.866	165EY4A	7SCAN	NORM,282.091999,	Check S/P Position	4R1	4	0	4,016,747:90:0	
2080	97	177	18:55:17.533		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1172.95 +/-	4R1	4	0	4,016,748:03:0	
2081	97	177	18:55:17.533	175DO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R1	4	0	4,016,748:03:0	
2082	97	177	18:55:17.533	175DO422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	4,016,748:03:0	
2083	97	177	18:55:18.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1173.01 +/-	4R1	4	0	4,016,748:04:8	
2084	**97**	**177**	**18:55:19.467**	**C9ENCLIPSE03-**		**-----STOP-------**		**4R1**	**4**	**0**	**: :**	
2085	**97**	**177**	**18:55:19.467**	**C9ENRTECLI03-**		**-----START------**		**4R1**	**4**	**0**	**: :**	
2086	97	177	18:56:11.533	125LU	NIMSINIT	GS	##### GROUP START INIT	4R1	4	0	4,016,748:84:0	
2087	**97**	**177**	**18:56:11.533**	**125LU4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R1**	**4**	**0**	**4,016,748:84:0**	
2088	97	177	18:56:11.533	125LU11A	NIMSINIT	GE	##### GROUP END INIT	4R1	4	0	4,016,748:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2089	97	177	18:57:12.200	127LU	NIMSTAB	GS	%%%%% GROUP START TAB	4R1	4	0	4,016,749:84:0
2090	**97**	**177**	**18:57:12.200**	**127LU4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**4R1**	**4**	**0**	**4,016,749:84:0**
2091	**97**	**177**	**18:57:12.866**	**127LU4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**4R1**	**4**	**0**	**4,016,749:85:0**
2092	97	177	18:57:20.866	127LU11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R1	4	0	4,016,750:06:0
2093	**97**	**177**	**18:57:36.866**	**432LA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R1**	**4**	**0**	**4,016,750:30:0**
2094	97	177	18:58:08.200	117EY	**CSMOS**	GS	***** GROUP START CSMOS	4R1	4	0	4,016,750:77:0
2095	97	177	18:58:17.533	117EY105A106A4A	7STRP	-0.0035,0.0,0,0,	Slew =,0.03	4R1	4	0	4,016,751:00:0
2096	97	177	19:00:18.866	117EY11A	**CSMOS**	GE	***** GROUP END CSMOS	4R1	4	0	4,016,753:00:0
2097	**97**	**177**	**19:00:37.533**	**432LB6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R1**	**4**	**0**	**4,016,753:28:0**
2098	**97**	**177**	**19:01:23.467**	**C9ENRTECLI03-**		**-----STOP-------**		**4R1**	**4**	**0**	**: :**
2099	97	177	19:02:15.533	125LV11A	NIMSINIT	GE	##### GROUP END INIT	4R1	4	0	4,016,754:84:0
2100	**97**	**177**	**19:02:15.533**	**125LV4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R1**	**4**	**0**	**4,016,754:84:0**
2101	97	177	19:02:15.533	125LV	NIMSINIT	GS	##### GROUP START INIT	4R1	4	0	4,016,754:84:0
2102	97	177	19:06:22.200	165GU4A	7SCAN	NORM,6.437,5.489	Check S/P Position	4R1	4	0	4,016,758:90:0
2103	97	177	19:10:16.200	117GU	**CSMOS**	GS	***** GROUP START CSMOS	4R1	4	0	4,016,762:77:0
2104	97	177	19:10:24.200	165GU4B	7VECT		Inert vect update UTC	4R1	4	0	4,016,762:89:0
2105	97	177	19:10:25.533	117GU105A106A4A	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,763:00:0
2106	97	177	19:10:25.533	176GU6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R1	4	0	4,016,763:00:0
2107	97	177	19:11:59.533	117GU105A106A4B	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,764:50:0
2108	97	177	19:12:06.866	117GU105A106A4C	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,764:61:0
2109	97	177	19:13:40.866	117GU105A106A4D	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,766:20:0
2110	97	177	19:13:48.200	117GU105A106A4E	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,766:31:0
2111	97	177	19:15:22.200	117GU105A106A4F	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,767:81:0
2112	97	177	19:15:29.533	117GU105A106A4G	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,768:01:0
2113	97	177	19:17:03.533	117GU105A106A4H	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,769:51:0
2114	97	177	19:17:10.866	117GU105A106A4I	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,769:62:0
2115	97	177	19:18:44.866	117GU105A106A4J	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,771:21:0
2116	97	177	19:18:52.200	117GU105A106A4K	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,771:32:0
2117	97	177	19:20:26.200	117GU105A106A4L	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,772:82:0
2118	97	177	19:20:33.533	117GU105A106A4M	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,773:02:0
2119	97	177	19:22:07.533	117GU105A106A4N	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,774:52:0
2120	97	177	19:22:14.866	117GU105A106A4O	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,774:63:0
2121	97	177	19:23:48.866	117GU105A106A4P	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,776:22:0
2122	97	177	19:23:56.200	117GU105A106A4Q	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,776:33:0
2123	97	177	19:25:30.200	117GU105A106A4R	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,777:83:0
2124	97	177	19:25:37.533	117GU105A106A4S	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,778:03:0
2125	97	177	19:27:11.533	117GU105A106A4T	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,779:53:0
2126	97	177	19:27:18.866	117GU105A106A4U	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,779:64:0
2127	97	177	19:27:38.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1173.01 +/-	4R1	4	0	4,016,780:02:0
2128	97	177	19:27:38.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R1	4	0	4,016,780:02:0
2129	97	177	19:27:44.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1173.01 +/-	4R1	4	0	4,016,780:12:0
2130	97	177	19:27:46.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *1173.13 +/-	4R1	4	0	4,016,780:14:1
2131	97	177	19:28:13.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1179.52 +/-	4R1	4	0	4,016,780:55:0
2132	97	177	19:28:36.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1184.83 +/-	4R1	4	0	4,016,780:89:0
2133	97	177	19:28:36.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	4,016,780:89:0
2134	97	177	19:28:37.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1184.89 +/-	4R1	4	0	4,016,780:90:8
2135	97	177	19:28:52.866	117GU105A106A4V	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,781:23:0
2136	97	177	19:29:00.200	117GU105A106A4W	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,781:34:0
2137	97	177	19:30:34.200	117GU105A106A4X	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,782:84:0
2138	97	177	19:30:41.533	117GU105A106A4Y	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,783:04:0
2139	97	177	19:32:15.533	117GU105A106A4Z	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,784:54:0
2140	97	177	19:32:22.866	117GU105A106A4AA	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,784:65:0
2141	97	177	19:33:56.866	117GU105A106A4AB	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,786:24:0
2142	97	177	19:34:04.200	117GU105A106A4AC	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,786:35:0
2143	97	177	19:35:38.200	117GU105A106A4AD	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,787:85:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2144	97	177	19:35:45.533	117GU105A106A4AE	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,788:05:0	
2145	97	177	19:37:19.533	117GU105A106A4AF	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,789:55:0	
2146	97	177	19:37:26.866	117GU105A106A4AG	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,789:66:0	
2147	97	177	19:39:00.866	117GU105A106A4AH	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,791:25:0	
2148	97	177	19:39:08.200	117GU105A106A4AI	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,791:36:0	
2149	97	177	19:40:42.200	117GU105A106A4AJ	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,792:86:0	
2150	97	177	19:40:49.533	117GU105A106A4AK	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,793:06:0	
2151	97	177	19:42:23.533	117GU105A106A4AL	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,794:56:0	
2152	97	177	19:42:30.866	117GU105A106A4AM	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,794:67:0	
2153	97	177	19:44:04.866	117GU105A106A4AN	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,796:26:0	
2154	97	177	19:44:12.200	117GU105A106A4AO	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,796:37:0	
2155	97	177	19:45:29.533		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1184.89 +/-	4R1	4	0	4,016,797:62:0	
2156	97	177	19:45:29.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R1	4	0	4,016,797:62:0	
2157	97	177	19:45:36.200		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1184.89 +/-	4R1	4	0	4,016,797:72:0	
2158	97	177	19:45:37.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *1185.01 +/-	4R1	4	0	4,016,797:74:1	
2159	97	177	19:45:46.200	117GU105A106A4AP	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,797:87:0	
2160	97	177	19:45:53.533	117GU105A106A4AQ	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,798:07:0	
2161	97	177	19:46:04.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1191.24 +/-	4R1	4	0	4,016,798:23:0	
2162	97	177	19:46:26.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	4,016,798:57:0	
2163	97	177	19:46:26.866		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1196.56 +/-	4R1	4	0	4,016,798:57:0	
2164	97	177	19:46:28.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1196.62 +/-	4R1	4	0	4,016,798:58:8	
2165	97	177	19:47:27.533	117GU105A106A4AR	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,799:57:0	
2166	97	177	19:47:34.866	117GU105A106A4AS	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,799:68:0	
2167	97	177	19:49:08.866	117GU105A106A4AT	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,801:27:0	
2168	97	177	19:49:16.200	117GU105A106A4AU	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,801:38:0	
2169	97	177	19:50:50.200	117GU105A106A4AV	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,802:88:0	
2170	97	177	19:50:57.533	117GU105A106A4AW	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,803:08:0	
2171	97	177	19:52:31.533	117GU105A106A4AX	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,804:58:0	
2172	97	177	19:52:38.866	117GU105A106A4AY	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,804:69:0	
2173	97	177	19:54:12.866	117GU105A106A4AZ	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,806:28:0	
2174	97	177	19:54:20.200	117GU105A106A4BA	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,806:39:0	
2175	97	177	19:55:54.200	117GU105A106A4BB	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,807:89:0	
2176	97	177	19:56:01.533	117GU105A106A4BC	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,808:09:0	
2177	97	177	19:57:35.533	117GU105A106A4BD	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,809:59:0	
2178	97	177	19:57:42.866	117GU105A106A4BE	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,809:70:0	
2179	97	177	19:59:16.866	117GU105A106A4BF	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,811:29:0	
2180	97	177	19:59:24.200	117GU105A106A4BG	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,811:40:0	
2181	97	177	20:00:58.200	117GU105A106A4BH	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,812:90:0	
2182	97	177	20:01:05.533	117GU105A106A4BI	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,813:10:0	
2183	97	177	20:02:39.533	117GU105A106A4BJ	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,814:60:0	
2184	97	177	20:02:46.866	117GU105A106A4BK	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,814:71:0	
2185	97	177	20:03:20.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R1	4	0	4,016,815:31:0	
2186	97	177	20:03:20.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1196.62 +/-	4R1	4	0	4,016,815:31:0	
2187	97	177	20:03:27.533		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1196.62 +/-	4R1	4	0	4,016,815:41:0	
2188	97	177	20:03:28.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *1196.74 +/-	4R1	4	0	4,016,815:43:1	
2189	97	177	20:03:55.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1202.97 +/-	4R1	4	0	4,016,815:83:0	
2190	97	177	20:04:18.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1208.28 +/-	4R1	4	0	4,016,816:26:0	
2191	97	177	20:04:18.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	4,016,816:26:0	
2192	97	177	20:04:19.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1208.34 +/-	4R1	4	0	4,016,816:27:8	
2193	97	177	20:04:20.866	117GU105A106A4BL	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,816:30:0	
2194	97	177	20:04:28.200	117GU105A106A4BM	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,816:41:0	
2195	97	177	20:06:02.200	117GU105A106A4BN	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,818:00:0	
2196	97	177	20:06:09.533	117GU105A106A4BO	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,818:11:0	
2197	**97**	**177**	**20:07:06.800**	**C9NNRELOAD02-**		**-----START------**		**4R1**	**4**	**0**	**: :**	
2198	97	177	20:07:43.533	117GU105A106A4BP	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,819:61:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2199	97	177	20:07:50.866	117GU105A106A4BQ	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,819:72:0	
2200	**97**	**177**	**20:08:07.533**	**20EC6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**4R1**	**4**	**0**	**4,016,820:06:0**	
2201	**97**	**177**	**20:09:08.200**	**20EC5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R1**	**4**	**0**	**4,016,821:06:0**	
2202	97	177	20:09:24.866	117GU105A106A4BR	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,821:31:0	
2203	97	177	20:09:32.200	117GU105A106A4BS	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,821:42:0	
2204	**97**	**177**	**20:10:08.866**	**20EC5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R1**	**4**	**0**	**4,016,822:06:0**	
2205	97	177	20:11:06.200	117GU105A106A4BT	7STRP	-0.037017,0.0013	Slew =12.01	4R1	4	0	4,016,823:01:0	
2206	**97**	**177**	**20:11:09.533**	**20EC6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R1**	**4**	**0**	**4,016,823:06:0**	
2207	97	177	20:11:13.533	117GU105A106A4BU	7STRP	0.037017,0.0,0,0	Slew =,0.41	4R1	4	0	4,016,823:12:0	
2208	**97**	**177**	**20:12:10.200**	**20EC6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R1**	**4**	**0**	**4,016,824:06:0**	
2209	97	177	20:12:47.533	117GU11A	**CSMOS**	GE	***** GROUP END CSMOS	4R1	4	0	4,016,824:62:0	
2210	**97**	**177**	**20:13:10.866**	**20EC5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,016,825:06:0**	
2211	**97**	**177**	**20:14:11.533**	**20EC5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,016,826:06:0**	
2212	97	177	20:15:08.200	176GU6B	6TMREC	**NRC**	NO RECORD Record Mode Change	260	4	0	4,016,827:00:0	
2213	97	177	20:15:10.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1208.34 +/-	260	4	0	4,016,827:03:0	
2214	97	177	20:15:10.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	260	4	0	4,016,827:03:0	
2215	**97**	**177**	**20:15:12.200**	**20EC4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,016,827:06:0**	
2216	97	177	20:15:16.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1208.34 +/-	2R0	4	0	4,016,827:13:0	
2217	97	177	20:15:18.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *1208.46 +/-	2R0	4	0	4,016,827:15:1	
2218	97	177	20:15:20.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1208.92 +/-	2R0	4	0	4,016,827:18:0	
2219	97	177	20:15:37.533		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1212.98 +/-	2R0	4	0	4,016,827:44:0	
2220	97	177	20:15:37.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,016,827:44:0	
2221	97	177	20:15:38.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1213.04 +/-	2R0	4	0	4,016,827:45:8	
2222	**97**	**177**	**20:16:12.866**	**20EC4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,016,828:06:0**	
2223	**97**	**177**	**20:17:13.466**	**C9NNRELOAD02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2224	**97**	**177**	**20:19:14.800**	**C9JNGRS05101-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2225	97	177	20:20:10.866	165DP4A	7SCAN	NORM,262.445,-26	Check S/P Position	2R3	4	0	4,016,831:90:0	
2226	97	177	20:23:08.866	127DP	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,016,834:84:0	
2227	**97**	**177**	**20:23:08.866**	**127DP4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,016,834:84:0**	
2228	**97**	**177**	**20:23:09.533**	**127DP4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,016,834:85:0**	
2229	97	177	20:23:17.533	127DP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,016,835:06:0	
2230	97	177	20:24:02.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1213.04 +/-	2R5	4	1	4,016,835:74:0	
2231	97	177	20:24:02.866	175DP422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,016,835:74:0	
2232	97	177	20:24:04.866	117DP	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,016,835:77:0	
2233	97	177	20:24:09.533		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1213.04 +/-	2R5	4	1	4,016,835:84:0	
2234	97	177	20:24:10.866	175DP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,016,835:86:0	
2235	97	177	20:24:10.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1213.16 +/-	2R5	4	1	4,016,835:86:1	
2236	97	177	20:24:10.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1213.16 +/-	2R5	4	1	4,016,835:86:1	
2237	97	177	20:24:14.200	117DP105A106A4A	7STRP	-0.021703,0.0,0,	Slew =,0.11	2R5	4	1	4,016,836:00:0	
2238	**97**	**177**	**20:24:14.200**	**C9JNGRS05101-**	**NIMPBK**	**301DJ**	**JUPITER GREAT RED SPOT 51 DEGREE**	**2R5**	**4**	**1**	**: :**	
2239	**97**	**177**	**20:27:32.200**	**C9JNGRS05101-**	**DESELC**	**300DJ**	**JUPITER GREAT RED SPOT 51 DEGREE**	**2R5**	**4**	**1**	**: :**	
2240	97	177	20:27:34.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1260.80 +/-	2R5	4	1	4,016,839:27:0	
2241	97	177	20:27:34.200	117DP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,016,839:27:0	
2242	97	177	20:27:34.200	175DP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,016,839:27:0	
2243	97	177	20:27:34.200	175DP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,016,839:27:0	
2244	97	177	20:27:35.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1260.86 +/-	2R5	4	1	4,016,839:28:8	
2245	**97**	**177**	**20:28:20.800**	**C9JNGRS05101-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2246	97	177	20:36:00.200	488U6A	6TMSED	NORM,GL8	Sci, Eng, and D/L Chan	2R5	4	1	4,016,847:58:0	
2247	**97**	**177**	**20:39:28.133**	**C9JNGRS05102-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2248	97	177	20:40:24.200	165DQ4A	7SCAN	NORM,262.829998,	Check S/P Position	2R5	4	1	4,016,851:90:0	
2249	97	177	20:44:16.200	175DQ422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,016,855:74:0	
2250	97	177	20:44:16.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1260.86 +/-	2R5	4	1	4,016,855:74:0	
2251	97	177	20:44:18.200	117DQ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,016,855:77:0	
2252	97	177	20:44:22.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1260.86 +/-	2R5	4	1	4,016,855:84:0	
2253	97	177	20:44:24.200	175DQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,016,855:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2254	97	177	20:44:24.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1260.98 +/-	2R5	4	1	4,016,855:86:1	
2255	97	177	20:44:24.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1260.98 +/-	2R5	4	1	4,016,855:86:1	
2256	**97**	**177**	**20:44:27.533**	**C9JNGRS05102-**	**NIMPBK**	**301DK**	**JUPITER GREAT RED SPOT 51 DEGREE**	**2R5**	**4**	**1**	**: :**	
2257	97	177	20:44:27.533	117DQ105A106A4A	7STRP	-0.021703,0.0,0,	Slew =,0.11	2R5	4	1	4,016,856:00:0	
2258	**97**	**177**	**20:47:45.533**	**C9JNGRS05102-**	**DESELC**	**300DK**	**JUPITER GREAT RED SPOT 51 DEGREE**	**2R5**	**4**	**1**	**: :**	
2259	97	177	20:47:47.533		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1308.62 +/-	2R5	4	1	4,016,859:27:0	
2260	97	177	20:47:47.533	117DQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,016,859:27:0	
2261	97	177	20:47:47.533	175DQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,016,859:27:0	
2262	97	177	20:47:47.533	175DQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,016,859:27:0	
2263	97	177	20:47:48.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1308.68 +/-	2R5	4	1	4,016,859:28:8	
2264	**97**	**177**	**20:48:34.133**	**C9JNGRS05102-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2265	97	177	20:49:30.200	165GX4A	7SCAN	NORM,261.353996,	Check S/P Position	2R5	4	1	4,016,860:90:0	
2266	97	177	20:51:51.533	488U6B	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	2R5	4	1	4,016,863:29:0	
2267	97	177	20:53:24.200	117GX	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,016,864:77:0	
2268	97	177	20:53:33.533	117GX105A106A4A	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,865:00:0	
2269	97	177	20:53:33.533	176GX6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,016,865:00:0	
2270	97	177	20:54:27.533	117GX105A106A4B	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,865:81:0	
2271	97	177	20:54:40.866	117GX105A106A4C	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,866:10:0	
2272	97	177	20:55:34.866	117GX105A106A4D	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,867:00:0	
2273	97	177	20:55:48.200	117GX105A106A4E	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,867:20:0	
2274	97	177	20:56:42.200	117GX105A106A4F	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,868:10:0	
2275	97	177	20:56:55.533	117GX105A106A4G	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,868:30:0	
2276	97	177	20:57:49.533	117GX105A106A4H	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,869:20:0	
2277	97	177	20:58:02.866	117GX105A106A4I	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,869:40:0	
2278	97	177	20:58:56.866	117GX105A106A4J	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,870:30:0	
2279	97	177	20:59:10.200	117GX105A106A4K	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,870:50:0	
2280	97	177	21:00:04.200	117GX105A106A4L	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,871:40:0	
2281	97	177	21:00:17.533	117GX105A106A4M	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,871:60:0	
2282	97	177	21:01:11.533	117GX105A106A4N	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,872:50:0	
2283	97	177	21:01:24.866	117GX105A106A4O	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,872:70:0	
2284	97	177	21:02:18.866	117GX105A106A4P	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,873:60:0	
2285	97	177	21:02:32.200	117GX105A106A4Q	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,873:80:0	
2286	97	177	21:03:26.200	117GX105A106A4R	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,874:70:0	
2287	97	177	21:03:39.533	117GX105A106A4S	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,874:90:0	
2288	97	177	21:04:33.533	117GX105A106A4T	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,875:80:0	
2289	97	177	21:04:46.866	117GX105A106A4U	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,876:09:0	
2290	97	177	21:05:40.866	117GX105A106A4V	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,876:90:0	
2291	97	177	21:05:54.200	117GX105A106A4W	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,877:19:0	
2292	97	177	21:06:48.200	117GX105A106A4X	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,878:09:0	
2293	97	177	21:07:01.533	117GX105A106A4Y	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,878:29:0	
2294	97	177	21:07:55.533	117GX105A106A4Z	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,879:19:0	
2295	97	177	21:08:08.866	117GX105A106A4AA	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,879:39:0	
2296	97	177	21:09:02.866	117GX105A106A4AB	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,880:29:0	
2297	97	177	21:09:16.200	117GX105A106A4AC	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,880:49:0	
2298	97	177	21:10:10.200	117GX105A106A4AD	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,881:39:0	
2299	97	177	21:10:23.533	117GX105A106A4AE	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,881:59:0	
2300	97	177	21:10:46.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1308.68 +/-	2R5	4	1	4,016,882:02:0	
2301	97	177	21:10:46.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,016,882:02:0	
2302	97	177	21:10:52.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1308.68 +/-	2R5	4	1	4,016,882:12:0	
2303	97	177	21:10:54.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *1308.80 +/-	2R5	4	1	4,016,882:14:1	
2304	97	177	21:11:17.533	117GX105A106A4AF	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,882:49:0	
2305	97	177	21:11:21.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1315.19 +/-	2R5	4	1	4,016,882:55:0	
2306	97	177	21:11:30.866	117GX105A106A4AG	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,882:69:0	
2307	97	177	21:11:44.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,016,882:89:0	
2308	97	177	21:11:44.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1320.50 +/-	2R5	4	1	4,016,882:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2309	97	177	21:11:45.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1320.56 +/-	2R5	4	1	4,016,882	90:8
2310	97	177	21:12:24.866	117GX105A106A4AH	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,883	59:0
2311	97	177	21:12:38.200	117GX105A106A4AI	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,883	79:0
2312	97	177	21:13:32.200	117GX105A106A4AJ	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,884	69:0
2313	97	177	21:13:45.533	117GX105A106A4AK	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,884	89:0
2314	97	177	21:14:39.533	117GX105A106A4AL	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,885	79:0
2315	97	177	21:14:52.866	117GX105A106A4AM	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,886	08:0
2316	97	177	21:15:46.866	117GX105A106A4AN	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,886	89:0
2317	97	177	21:16:00.200	117GX105A106A4AO	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,887	18:0
2318	97	177	21:16:54.200	117GX105A106A4AP	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,888	08:0
2319	97	177	21:17:07.533	117GX105A106A4AQ	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,888	28:0
2320	97	177	21:18:01.533	117GX105A106A4AR	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,889	18:0
2321	97	177	21:18:14.866	117GX105A106A4AS	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,889	38:0
2322	97	177	21:19:08.866	117GX105A106A4AT	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,890	28:0
2323	97	177	21:19:22.200	117GX105A106A4AU	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,890	48:0
2324	97	177	21:20:16.200	117GX105A106A4AV	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,891	38:0
2325	97	177	21:20:29.533	117GX105A106A4AW	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,891	58:0
2326	97	177	21:21:23.533	117GX105A106A4AX	7STRP	0.0,0.016002,0,0	Slew =,7.91	2R5	4	1	4,016,892	48:0
2327	97	177	21:21:36.866	117GX105A106A4AY	7STRP	0.002,-0.016002,	Slew =,0.41	2R5	4	1	4,016,892	68:0
2328	97	177	21:22:30.866	117GX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,016,893	58:0
2329	97	177	21:25:32.200	176GX6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,016,896	57:0
2330	97	177	21:25:34.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1320.56 +/-	2R5	4	1	4,016,896	60:0
2331	97	177	21:25:34.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,016,896	60:0
2332	97	177	21:25:40.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1320.56 +/-	2R5	4	1	4,016,896	70:0
2333	97	177	21:25:42.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *1320.68 +/-	2R5	4	1	4,016,896	72:1
2334	97	177	21:25:44.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1321.14 +/-	2R5	4	1	4,016,896	75:0
2335	97	177	21:26:03.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,016,897	13:0
2336	97	177	21:26:03.533		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1325.67 +/-	2R5	4	1	4,016,897	13:0
2337	97	177	21:26:04.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1325.73 +/-	2R5	4	1	4,016,897	14:8
2338	**97**	**177**	**21:45:11.466**	**C9JNGRS05103-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2339	97	177	21:46:07.533	165DR4A	7SCAN	NORM,263.459,-26	Check S/P Position	2R5	4	1	4,016,916	90:0
2340	97	177	21:49:59.533	175DR422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,016,920	74:0
2341	97	177	21:49:59.533		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1325.73 +/-	2R5	4	1	4,016,920	74:0
2342	97	177	21:50:01.533	117DR	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,016,920	77:0
2343	97	177	21:50:06.200		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1325.73 +/-	2R5	4	1	4,016,920	84:0
2344	97	177	21:50:07.533	175DR176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,016,920	86:0
2345	97	177	21:50:07.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1325.85 +/-	2R5	4	1	4,016,920	86:1
2346	97	177	21:50:07.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1325.85 +/-	2R5	4	1	4,016,920	86:1
2347	97	177	21:50:10.866	117DR105A106A4A	7STRP	-0.041023,0.0,0,	Slew =,0.21	2R5	4	1	4,016,921	00:0
2348	**97**	**177**	**21:50:10.866**	**C9JNGRS05103-**	**NIMPBK**	**301DL**	**JUPITER GREAT RED SPOT 51 DEGREE**	**2R5**	**4**	**1**	**: :**	
2349	**97**	**177**	**21:53:30.866**	**C9JNGRS05103-**	**DESELC**	**300DL**	**JUPITER GREAT RED SPOT 51 DEGREE**	**2R5**	**4**	**1**	**: :**	
2350	97	177	21:53:30.866	117DR11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,016,924	27:0
2351	97	177	21:53:32.866	175DR6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,016,924	30:0
2352	97	177	21:53:32.866	175DR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,016,924	30:0
2353	97	177	21:53:32.866		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1373.96 +/-	2R5	4	1	4,016,924	30:0
2354	97	177	21:53:34.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1374.02 +/-	2R5	4	1	4,016,924	31:8
2355	97	177	21:54:12.866	165DS4A	7SCAN	NORM,29.941,14.7	Check S/P Position	2R5	4	1	4,016,924	90:0
2356	**97**	**177**	**21:54:17.466**	**C9JNGRS05103-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2357	**97**	**177**	**21:54:17.532**	**C9GNGLOBAL02-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2358	97	177	21:56:10.200	125DS11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	4,016,926	84:0
2359	97	177	21:56:10.200	125DS	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	4,016,926	84:0
2360	**97**	**177**	**21:56:10.200**	**125DS4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R5**	**4**	**1**	**4,016,926**	**84:0**
2361	97	177	21:57:10.866	127DS	NIMSTAB	GS	%%%%% GROUP START TAB	4R5	4	1	4,016,927	84:0
2362	**97**	**177**	**21:57:10.866**	**127DS4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,016,927**	**84:0**
2363	**97**	**177**	**21:57:11.533**	**127DS4B**	**37ETB**	**07,C7,02,3C,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,016,927**	**85:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2364	97	177	21:57:19.533	127DS11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,016,928:06:0	
2365	97	177	21:58:04.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1374.02 +/-	4R3	4	0	4,016,928:74:0	
2366	97	177	21:58:04.866	175DS422A6A	6DMSC	R7,3	DMS Control	4R3	4	0	4,016,928:74:0	
2367	97	177	21:58:06.866	117DS	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,016,928:77:0	
2368	97	177	21:58:11.533		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1374.02 +/-	4R3	4	0	4,016,928:84:0	
2369	97	177	21:58:12.866	175DS176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,016,928:86:0	
2370	97	177	21:58:12.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1374.14 +/-	4R3	4	0	4,016,928:86:1	
2371	97	177	21:58:12.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1374.14 +/-	4R3	4	0	4,016,928:86:1	
2372	97	177	21:58:14.866	165DS4B	7VECT		Inert vect update UTC	4R3	4	0	4,016,928:89:0	
2373	**97**	**177**	**21:58:16.200**	**C9GNGLOBAL02-**	**NIMPBK**	**301DM**	**GLOBAL SURFACE MAP**	**4R3**	**4**	**0**	**: :**	
2374	97	177	21:58:16.200	117DS105A106A4A	7STRP	0.0085,0.0,0,0,0	Slew =,0.03	4R3	4	0	4,016,929:00:0	
2375	97	177	22:03:00.866	117DS105A106B4A	7STRP	-0.009,0.0085,0,	Slew =,4.61	4R3	4	0	4,016,933:63:0	
2376	97	177	22:03:06.200	117DS105A106B4B	7STRP	0.0095,0.0,0,0,0	Slew =,0.03	4R3	4	0	4,016,933:71:0	
2377	97	177	22:08:24.800	117DS105A106C4A	7STRP	-0.0095,0.0085,0	Slew =,4.61	4R3	4	0	4,016,939:03:0	
2378	97	177	22:08:30.133	117DS105A106C4B	7STRP	0.0095,0.0,0,0,0	Slew =,0.03	4R3	4	0	4,016,939:11:0	
2379	97	177	22:13:48.800	117DS105A106D4A	7STRP	-0.009,0.0085,0,	Slew =,4.61	4R3	4	0	4,016,944:34:0	
2380	97	177	22:13:54.133	117DS105A106D4B	7STRP	0.008,0.0,0,0,0,	Slew =,0.03	4R3	4	0	4,016,944:42:0	
2381	**97**	**177**	**22:18:22.800**	**C9GNGLOBAL02-**	**DESELC**	**300DM**	**GLOBAL SURFACE MAP**	**4R3**	**4**	**0**	**: :**	
2382	97	177	22:18:22.800	117DS11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,016,948:81:0	
2383	97	177	22:18:24.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1658.17 +/-	4R3	4	0	4,016,948:84:0	
2384	97	177	22:18:24.800	175DS6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,016,948:84:0	
2385	97	177	22:18:24.800	175DS422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,948:84:0	
2386	97	177	22:18:26.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1658.23 +/-	4R3	4	0	4,016,948:85:8	
2387	**97**	**177**	**22:19:34.199**	**C9GNGLOBAL02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2388	97	177	22:22:31.466	165GZ4A	7SCAN	NORM,262.955997,	Check S/P Position	4R3	4	0	4,016,952:90:0	
2389	97	177	22:25:43.466	488U6C	6TMSED	NORM,GL5	Sci, Eng, and D/L Chan	4R3	4	0	4,016,956:14:0	
2390	97	177	22:26:25.466	117GZ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,016,956:77:0	
2391	97	177	22:26:34.800	117GZ105A106A4A	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,957:00:0	
2392	97	177	22:26:34.800	176GZ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,016,957:00:0	
2393	97	177	22:27:28.800	117GZ105A106A4B	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,957:81:0	
2394	97	177	22:27:39.466	117GZ105A106A4C	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,958:06:0	
2395	97	177	22:28:33.466	117GZ105A106A4D	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,958:87:0	
2396	97	177	22:28:44.133	117GZ105A106A4E	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,959:12:0	
2397	97	177	22:29:38.133	117GZ105A106A4F	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,960:02:0	
2398	97	177	22:29:48.800	117GZ105A106A4G	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,960:18:0	
2399	97	177	22:30:42.800	117GZ105A106A4H	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,961:08:0	
2400	97	177	22:30:53.466	117GZ105A106A4I	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,961:24:0	
2401	97	177	22:31:47.466	117GZ105A106A4J	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,962:14:0	
2402	97	177	22:31:58.133	117GZ105A106A4K	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,962:30:0	
2403	97	177	22:32:07.466	488U6D	6TMSED	NORM,GL4	Sci, Eng, and D/L Chan	4R3	4	0	4,016,962:44:0	
2404	97	177	22:32:52.133	117GZ105A106A4L	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,963:20:0	
2405	97	177	22:33:02.800	117GZ105A106A4M	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,963:36:0	
2406	97	177	22:33:56.800	117GZ105A106A4N	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,964:26:0	
2407	97	177	22:34:07.466	117GZ105A106A4O	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,964:42:0	
2408	97	177	22:35:01.466	117GZ105A106A4P	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,965:32:0	
2409	97	177	22:35:12.133	117GZ105A106A4Q	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,965:48:0	
2410	97	177	22:36:06.133	117GZ105A106A4R	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,966:38:0	
2411	97	177	22:36:16.800	117GZ105A106A4S	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,966:54:0	
2412	97	177	22:37:10.800	117GZ105A106A4T	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,967:44:0	
2413	97	177	22:37:21.466	117GZ105A106A4U	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,967:60:0	
2414	97	177	22:38:15.466	117GZ105A106A4V	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,968:50:0	
2415	97	177	22:38:26.133	117GZ105A106A4W	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,968:66:0	
2416	97	177	22:39:20.133	117GZ105A106A4X	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,969:56:0	
2417	97	177	22:39:30.800	117GZ105A106A4Y	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,969:72:0	
2418	97	177	22:40:24.800	117GZ105A106A4Z	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,970:62:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2419	97	177	22:40:35.466	117GZ105A106A4AA	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,970:78:0	
2420	97	177	22:41:29.466	117GZ105A106A4AB	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,971:68:0	
2421	97	177	22:41:40.133	117GZ105A106A4AC	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,971:84:0	
2422	97	177	22:42:34.133	117GZ105A106A4AD	7STRP	0.0016,0.010501,	Slew =12.01	4R3	4	0	4,016,972:74:0	
2423	97	177	22:42:44.800	117GZ105A106A4AE	7STRP	0.0,-0.010501,0,	Slew =,0.26	4R3	4	0	4,016,972:90:0	
2424	97	177	22:43:38.800	117GZ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,016,973:80:0	
2425	97	177	22:43:38.800	176GZ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,016,973:80:0	
2426	97	177	22:43:40.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,016,973:83:0	
2427	97	177	22:43:40.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1658.23 +/-	4R3	4	0	4,016,973:83:0	
2428	97	177	22:43:47.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1658.23 +/-	4R3	4	0	4,016,974:02:0	
2429	97	177	22:43:48.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *1658.35 +/-	4R3	4	0	4,016,974:04:1	
2430	**97**	**177**	**22:43:50.133**	**C9INCOOLCV01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2431	97	177	22:43:50.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1658.80 +/-	4R3	4	0	4,016,974:07:0	
2432	97	177	22:44:12.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,016,974:39:0	
2433	97	177	22:44:12.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1663.80 +/-	4R3	4	0	4,016,974:39:0	
2434	97	177	22:44:13.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1663.86 +/-	4R3	4	0	4,016,974:40:8	
2435	97	177	22:44:46.133	165DT4A	7SCAN	NORM,279.350998,	Check S/P Position	4R3	4	0	4,016,974:90:0	
2436	**97**	**177**	**22:46:43.466**	**125DT4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**4,016,976:84:0**	
2437	97	177	22:46:43.466	125DT11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,016,976:84:0	
2438	97	177	22:46:43.466	125DT	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,016,976:84:0	
2439	**97**	**177**	**22:47:44.133**	**127DT4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,016,977:84:0**	
2440	97	177	22:47:44.133	127DT	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,016,977:84:0	
2441	**97**	**177**	**22:47:44.800**	**127DT4B**	**37ETB**	**,CD,02,00,00,02,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,016,977:85:0**	
2442	97	177	22:47:52.800	127DT11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,016,978:06:0	
2443	97	177	22:48:38.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1663.86 +/-	2R5	4	1	4,016,978:74:0	
2444	97	177	22:48:38.133	175DT422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,016,978:74:0	
2445	97	177	22:48:40.133	117DT	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,016,978:77:0	
2446	97	177	22:48:44.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1663.86 +/-	2R5	4	1	4,016,978:84:0	
2447	97	177	22:48:46.133	175DT176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,016,978:86:0	
2448	97	177	22:48:46.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1663.98 +/-	2R5	4	1	4,016,978:86:1	
2449	97	177	22:48:46.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1663.98 +/-	2R5	4	1	4,016,978:86:1	
2450	97	177	22:48:48.133	165DT4B	7VECT		Inert vect update UTC	2R5	4	1	4,016,978:89:0	
2451	**97**	**177**	**22:48:49.466**	**C9INCOOLCV01-**	**NIMPBK**	**301DN**	**NIMS IO ECLIPSE OBSERVATION (ING**	**2R5**	**4**	**1**	**: :**	
2452	97	177	22:48:49.466	117DT105A106A4A	7STRP	0.0035,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,016,979:00:0	
2453	97	177	22:49:50.133	117DT105A106A4B	7STRP	-0.0035,0.0,0,0,	Slew =0,1.8	2R5	4	1	4,016,980:00:0	
2454	97	177	22:49:55.466	117DT105A106A4C	7STRP	0.0035,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,016,980:08:0	
2455	97	177	22:50:56.133	117DT105A106A4D	7STRP	-0.0035,0.0,0,0,	Slew =0,1.8	2R5	4	1	4,016,981:08:0	
2456	97	177	22:51:01.466	117DT105A106A4E	7STRP	0.0035,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,016,981:16:0	
2457	97	177	22:52:02.133	117DT105A106A4F	7STRP	-0.0035,0.0,0,0,	Slew =0,1.8	2R5	4	1	4,016,982:16:0	
2458	97	177	22:52:07.466	117DT105A106A4G	7STRP	0.0035,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,016,982:24:0	
2459	97	177	22:53:08.133	117DT105A106A4H	7STRP	-0.0035,0.0,0,0,	Slew =0,1.8	2R5	4	1	4,016,983:24:0	
2460	97	177	22:53:13.466	117DT105A106A4I	7STRP	0.0035,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,016,983:32:0	
2461	97	177	22:54:14.133	117DT105A106A4J	7STRP	-0.0035,0.0,0,0,	Slew =0,1.8	2R5	4	1	4,016,984:32:0	
2462	97	177	22:54:19.466	117DT105A106A4K	7STRP	0.0035,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,016,984:40:0	
2463	97	177	22:55:20.133	117DT105A106A4L	7STRP	-0.0035,0.0,0,0,	Slew =0,1.8	2R5	4	1	4,016,985:40:0	
2464	97	177	22:55:25.466	117DT105A106A4M	7STRP	0.0035,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,016,985:48:0	
2465	97	177	22:56:26.133	117DT105A106A4N	7STRP	-0.0035,0.0,0,0,	Slew =0,1.8	2R5	4	1	4,016,986:48:0	
2466	97	177	22:56:31.466	117DT105A106A4O	7STRP	0.0035,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,016,986:56:0	
2467	97	177	22:57:32.133	117DT11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,016,987:56:0	
2468	**97**	**177**	**22:57:32.133**	**C9INCOOLCV01-**	**DESELC**	**300DN**	**NIMS IO ECLIPSE OBSERVATION (ING**	**2R5**	**4**	**1**	**: :**	
2469	97	177	22:57:57.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1793.18 +/-	2R5	4	1	4,016,988:03:0	
2470	97	177	22:57:57.466	175DT6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,016,988:03:0	
2471	97	177	22:57:57.466	175DT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,016,988:03:0	
2472	97	177	22:57:58.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1793.24 +/-	2R5	4	1	4,016,988:04:8	
2473	**97**	**177**	**22:57:59.466**	**C9INCOOLCV01-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2474	97	177	23:16:06.800	165IR4A	7SCAN	NORM,36.504,16.8	Check S/P Position	2R5	4	1	4,017,005:90:0	
2475	**97**	**177**	**23:18:04.133**	**125LM4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**4,017,007:84:0**	
2476	97	177	23:18:04.133	125LM	NIMSINIT	GS	##### GROUP START INIT	4R5	4	1	4,017,007:84:0	
2477	**97**	**177**	**23:19:04.800**	**125LM4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R5**	**4**	**1**	**4,017,008:84:0**	
2478	97	177	23:19:04.800	125LM11A	NIMSINIT	GE	##### GROUP END INIT	4R5	4	1	4,017,008:84:0	
2479	**97**	**177**	**23:20:00.199**	**C9GNRTGLOB01+**		**-----START------**		**4R5**	**4**	**1**	**: :**	
2480	97	177	23:20:01.466	175IQ422A6A	6DMSC	R403,3	DMS Control	4R5	4	1	4,017,009:78:0	
2481	97	177	23:20:01.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1793.24 +/-	4R5	4	1	4,017,009:78:0	
2482	97	177	23:20:02.133	118IR	**SMOS**	GS		4R5	4	1	4,017,009:79:0	
2483	**97**	**177**	**23:20:05.466**	**127LM4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,017,009:84:0**	
2484	97	177	23:20:05.466	127LM	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,017,009:84:0	
2485	**97**	**177**	**23:20:06.133**	**127LM4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,017,009:85:0**	
2486	97	177	23:20:08.133		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 1793.24 +/-	4R3	4	0	4,017,009:88:0	
2487	97	177	23:20:08.800	165IR4B	7VECT		Inert vect update UTC	4R3	4	0	4,017,009:89:0	
2488	97	177	23:20:11.466	175IQ176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,017,010:02:0	
2489	97	177	23:20:12.000		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *1816.24 +/-	4R3	4	0	4,017,010:02:8	
2490	97	177	23:20:12.000		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 1816.24 +/-	4R3	4	0	4,017,010:02:8	
2491	97	177	23:20:12.133	118IR110A111A4A	7STRP	0.0,0.00762,26,0	Slew =,3.01	4R3	4	0	4,017,010:03:0	
2492	97	177	23:20:14.133	127LM11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,017,010:06:0	
2493	97	177	23:20:29.466	118IR110A111B4A	7STRP	0.00762,-0.01901	Slew =0,9.0	4R3	4	0	4,017,010:29:0	
2494	**97**	**177**	**23:20:30.133**	**432ES6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,017,010:30:0**	
2495	97	177	23:20:38.133	118IR110A111B4B	7STRP	0.0,0.00762,26,0	Slew =,3.01	4R3	4	0	4,017,010:42:0	
2496	97	177	23:21:04.133	118IR11A	**SMOS**	GE		4R3	4	0	4,017,010:81:0	
2497	97	177	23:21:10.800	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,017,011:00:0	
2498	97	177	23:21:10.800		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *2539.76 +/-	4R3	4	0	4,017,011:00:0	
2499	97	177	23:21:13.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2543.76 +/-	4R3	4	0	4,017,011:04:1	
2500	**97**	**177**	**23:22:00.199**	**C9GNRTGLOB01+**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2501	**97**	**177**	**23:23:30.800**	**432ET6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,017,013:28:0**	
2502	97	177	23:25:08.800	125LN	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,017,014:84:0	
2503	97	177	23:25:08.800	125LN11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,017,014:84:0	
2504	**97**	**177**	**23:25:08.800**	**125LN4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,017,014:84:0**	
2505	97	177	23:36:07.466	488U6E	6TMSED	NORM,GL5	Sci, Eng, and D/L Chan	4R3	4	0	4,017,025:71:0	
2506	97	177	23:40:22.800	165IS4A	7SCAN	NORM,259.742996,	Check S/P Position	4R3	4	0	4,017,029:90:0	
2507	97	177	23:44:17.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2543.76 +/-	4R3	4	0	4,017,033:78:0	
2508	97	177	23:44:17.466	175IR422A6A	6DMSC	R115,3	DMS Control	4R3	4	0	4,017,033:78:0	
2509	97	177	23:44:24.133		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2543.76 +/-	4R3	4	0	4,017,033:88:0	
2510	97	177	23:44:27.466	175IR176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	4R3	4	0	4,017,034:02:0	
2511	97	177	23:44:28.133		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2550.06 +/-	4R3	4	0	4,017,034:03:0	
2512	97	177	23:44:28.133		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2550.06 +/-	4R3	4	0	4,017,034:03:0	
2513	97	177	23:44:34.800		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2573.50 +/-	4R3	4	0	4,017,034:13:0	
2514	97	177	23:44:34.800	175IR422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,017,034:13:0	
2515	97	177	23:44:36.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2574.50 +/- 1	4R3	4	0	4,017,034:14:8	
2516	97	177	23:54:32.133	165IT4A	7SCAN	NORM,285.765999,	Check S/P Position	4R3	4	0	4,017,043:90:0	
2517	97	177	23:57:33.466	165IT4B	7VECT		Inert vect update UTC	4R3	4	0	4,017,046:89:0	
2518	97	177	23:57:38.800	118IT	**SMOS**	GS		4R3	4	0	4,017,047:06:0	
2519	97	177	23:57:51.466	118IT110A111A4A	7STRP	-0.0035,0.0,92,0	Slew =,3.01	4R3	4	0	4,017,047:25:0	
2520	97	177	23:58:22.133	118IT11A	**SMOS**	GE		4R3	4	0	4,017,047:71:0	
2521	97	177	23:58:28.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2574.50 +/- 1	4R3	4	0	4,017,047:80:0	
2522	97	177	23:58:28.133	175IS422A6A	6DMSC	R115,3	DMS Control	4R3	4	0	4,017,047:80:0	
2523	97	177	23:58:34.800		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2574.50 +/- 1	4R3	4	0	4,017,047:90:0	
2524	97	177	23:58:38.133	175IS176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	4,017,048:04:0	
2525	97	177	23:58:38.800		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2580.80 +/- 1	4R3	4	0	4,017,048:05:0	
2526	97	177	23:58:38.800		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2580.80 +/- 1	4R3	4	0	4,017,048:05:0	
2527	97	177	23:59:06.133	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,017,048:46:0	
2528	97	177	23:59:06.133		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2676.89 +/- 1	4R3	4	0	4,017,048:46:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2529	97	177	23:59:07.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2677.89 +/- 1	4R3	4	0	4,017,048:47:8	
2530	97	178	00:45:00.133	488V6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	4R3	4	0	4,017,093:82:0	
2531	97	178	00:45:00.800	282NW432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	4,017,093:83:0	
2532	97	178	00:45:01.466	282NW432A6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,017,093:84:0	
2533	**97**	**178**	**00:59:19.466**	**C9INWARMCV01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2534	97	178	01:00:15.466	165DU4A	7SCAN	NORM,291.710999,	Check S/P Position	4R3	4	0	4,017,108:90:0	
2535	**97**	**178**	**01:02:12.800**	**125DU4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**4,017,110:84:0**	
2536	97	178	01:02:12.800	125DU11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,017,110:84:0	
2537	97	178	01:02:12.800	125DU	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,017,110:84:0	
2538	**97**	**178**	**01:03:13.466**	**127DU4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,017,111:84:0**	
2539	97	178	01:03:13.466	127DU	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,017,111:84:0	
2540	**97**	**178**	**01:03:14.133**	**127DU4B**	**37ETB**	**,CD,02,00,00,02,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,017,111:85:0**	
2541	97	178	01:03:22.133	127DU11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,017,112:06:0	
2542	97	178	01:04:07.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2677.89 +/- 1	2R5	4	1	4,017,112:74:0	
2543	97	178	01:04:07.466	175DU422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,017,112:74:0	
2544	97	178	01:04:09.466	117DU	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,017,112:77:0	
2545	97	178	01:04:14.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2677.89 +/- 1	2R5	4	1	4,017,112:84:0	
2546	97	178	01:04:15.466	175DU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,017,112:86:0	
2547	97	178	01:04:15.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2678.01 +/- 1	2R5	4	1	4,017,112:86:1	
2548	97	178	01:04:15.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2678.01 +/- 1	2R5	4	1	4,017,112:86:1	
2549	97	178	01:04:17.466	165DU4B	7VECT		Inert vect update UTC	2R5	4	1	4,017,112:89:0	
2550	**97**	**178**	**01:04:18.800**	**C9INWARMCV01-**	**NIMPBK**	**301DO**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R5**	**4**	**1**	**: :**	
2551	97	178	01:04:18.800	117DU105A106A4A	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,113:00:0	
2552	97	178	01:04:58.800	117DU105A106A4B	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,113:60:0	
2553	97	178	01:05:06.800	117DU105A106A4C	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,113:72:0	
2554	97	178	01:05:46.800	117DU105A106A4D	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,114:41:0	
2555	97	178	01:05:54.800	117DU105A106A4E	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,114:53:0	
2556	97	178	01:06:34.800	117DU105A106A4F	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,115:22:0	
2557	97	178	01:06:42.800	117DU105A106A4G	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,115:34:0	
2558	97	178	01:07:22.800	117DU105A106A4H	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,116:03:0	
2559	97	178	01:07:30.800	117DU105A106A4I	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,116:15:0	
2560	97	178	01:08:10.800	117DU105A106A4J	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,116:75:0	
2561	97	178	01:08:18.800	117DU105A106A4K	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,116:87:0	
2562	97	178	01:08:58.800	117DU105A106A4L	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,117:56:0	
2563	97	178	01:09:06.800	117DU105A106A4M	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,117:68:0	
2564	97	178	01:09:46.800	117DU105A106A4N	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,118:37:0	
2565	97	178	01:09:54.800	117DU105A106A4O	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,118:49:0	
2566	97	178	01:10:34.800	117DU105A106A4P	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,119:18:0	
2567	97	178	01:10:42.800	117DU105A106A4Q	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,119:30:0	
2568	97	178	01:11:22.800	117DU105A106A4R	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,119:90:0	
2569	97	178	01:11:30.800	117DU105A106A4S	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,120:11:0	
2570	**97**	**178**	**01:12:10.800**	**C9INWARMCV01-**	**DESELC**	**300DO**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R5**	**4**	**1**	**: :**	
2571	97	178	01:12:10.800	117DU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,017,120:71:0	
2572	97	178	01:12:26.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2793.00 +/- 1	2R5	4	1	4,017,121:03:0	
2573	97	178	01:12:26.133	175DU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,017,121:03:0	
2574	97	178	01:12:26.133	175DU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,121:03:0	
2575	97	178	01:12:27.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2793.06 +/- 1	2R5	4	1	4,017,121:04:8	
2576	**97**	**178**	**01:12:28.133**	**C9INWARMCV01-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2577	**97**	**178**	**01:38:45.466**	**C9INWARMCV02-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2578	97	178	01:39:41.466	165DV4A	7SCAN	NORM,295.389999,	Check S/P Position	2R5	4	1	4,017,147:90:0	
2579	97	178	01:43:33.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2793.06 +/- 1	2R5	4	1	4,017,151:74:0	
2580	97	178	01:43:33.466	175DV422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,017,151:74:0	
2581	97	178	01:43:35.466	117DV	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,017,151:77:0	
2582	97	178	01:43:40.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2793.06 +/- 1	2R5	4	1	4,017,151:84:0	
2583	97	178	01:43:41.466	175DV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,017,151:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2584	97	178	01:43:41.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2793.18 +/- 1	2R5	4	1	4,017,151:86:1	
2585	97	178	01:43:41.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2793.18 +/- 1	2R5	4	1	4,017,151:86:1	
2586	97	178	01:43:43.466	165DV4B	7VECT		Inert vect update UTC	2R5	4	1	4,017,151:89:0	
2587	97	178	01:43:44.800	117DV105A106A4A	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,152:00:0	
2588	**97**	**178**	**01:43:44.800**	**C9INWARMCV02-**	**NIMPBK**	**301DP**	**NIMS IO ECLIPSE OBS. (POST-EGRES**	**2R5**	**4**	**1**	**: :**	
2589	97	178	01:44:24.800	117DV105A106A4B	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,152:60:0	
2590	97	178	01:44:32.800	117DV105A106A4C	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,152:72:0	
2591	97	178	01:45:12.800	117DV105A106A4D	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,153:41:0	
2592	97	178	01:45:20.800	117DV105A106A4E	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,153:53:0	
2593	97	178	01:46:00.800	117DV105A106A4F	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,154:22:0	
2594	97	178	01:46:08.800	117DV105A106A4G	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,154:34:0	
2595	97	178	01:46:48.800	117DV105A106A4H	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,155:03:0	
2596	97	178	01:46:56.800	117DV105A106A4I	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,155:15:0	
2597	97	178	01:47:36.800	117DV105A106A4J	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,155:75:0	
2598	97	178	01:47:44.800	117DV105A106A4K	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,155:87:0	
2599	97	178	01:48:24.800	117DV105A106A4L	7STRP	-0.004,0.0,0,0,0	Slew =0,1.8	2R5	4	1	4,017,156:56:0	
2600	97	178	01:48:32.800	117DV105A106A4M	7STRP	0.004,0.0,0,0,0,	Slew =,0.11	2R5	4	1	4,017,156:68:0	
2601	**97**	**178**	**01:48:38.133**	**C9INWARMCV02-**	**DESELC**	**300DP**	**NIMS IO ECLIPSE OBS. (POST-EGRES**	**2R5**	**4**	**1**	**: :**	
2602	97	178	01:48:40.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2863.16 +/- 1	2R5	4	1	4,017,156:79:0	
2603	97	178	01:48:40.133	175DV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,156:79:0	
2604	97	178	01:48:40.133	175DV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,017,156:79:0	
2605	97	178	01:48:41.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2863.22 +/- 1	2R5	4	1	4,017,156:80:8	
2606	97	178	01:49:12.800	117DV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,017,157:37:0	
2607	**97**	**178**	**01:50:53.466**	**C9INWARMCV02-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2608	97	178	02:08:00.133	165IU4A	7SCAN	NORM,274.406998,	Check S/P Position	2R5	4	1	4,017,175:90:0	
2609	97	178	02:11:54.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2863.22 +/- 1	2R5	4	1	4,017,179:78:0	
2610	97	178	02:11:54.800	175IT422A6A	6DMSC	R115,3	DMS Control	2R5	4	1	4,017,179:78:0	
2611	97	178	02:12:01.466		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2863.22 +/- 1	2R5	4	1	4,017,179:88:0	
2612	97	178	02:12:02.133	165IU4B	7VECT		Inert vect update UTC	2R5	4	1	4,017,179:89:0	
2613	97	178	02:12:04.800	175IT176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R5	4	1	4,017,180:02:0	
2614	97	178	02:12:05.466		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2869.52 +/- 1	2R5	4	1	4,017,180:03:0	
2615	97	178	02:12:05.466		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2869.52 +/- 1	2R5	4	1	4,017,180:03:0	
2616	97	178	02:12:12.133		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2892.96 +/- 1	2R5	4	1	4,017,180:13:0	
2617	97	178	02:12:12.133	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,180:13:0	
2618	97	178	02:12:13.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2893.96 +/- 1	2R5	4	1	4,017,180:14:8	
2619	97	178	02:13:03.466	165IV4A	7SCAN	NORM,294.926998,	Check S/P Position	2R5	4	1	4,017,180:90:0	
2620	97	178	02:16:58.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2893.96 +/- 1	2R5	4	1	4,017,184:78:0	
2621	97	178	02:16:58.133	175IU422A6A	6DMSC	R115,3	DMS Control	2R5	4	1	4,017,184:78:0	
2622	97	178	02:17:04.800		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2893.96 +/- 1	2R5	4	1	4,017,184:88:0	
2623	97	178	02:17:05.466	165IV4B	7VECT		Inert vect update UTC	2R5	4	1	4,017,184:89:0	
2624	97	178	02:17:08.133	175IU176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R5	4	1	4,017,185:02:0	
2625	97	178	02:17:08.800		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2900.26 +/- 1	2R5	4	1	4,017,185:03:0	
2626	97	178	02:17:08.800		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2900.26 +/- 1	2R5	4	1	4,017,185:03:0	
2627	97	178	02:17:15.466	175IU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,185:13:0	
2628	97	178	02:17:15.466		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2923.70 +/- 1	2R5	4	1	4,017,185:13:0	
2629	97	178	02:17:16.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2924.70 +/- 1	2R5	4	1	4,017,185:14:8	
2630	97	178	02:32:16.133	165CF4A	7SCAN	NORM,313.762997,	Check S/P Position	2R5	4	1	4,017,199:90:0	
2631	97	178	02:36:18.133	165CF4B	7VECT		Inert vect update UTC	2R5	4	1	4,017,203:89:0	
2632	97	178	03:00:00.133	481UG4A	7VECT	BB1	Inert vect update UTC	2R5	4	1	4,017,227:38:0	
2633	97	178	03:00:21.466	165HB4A	7SCAN	NORM,283.000999,	Check S/P Position	2R5	4	1	4,017,227:70:0	
2634	97	178	03:03:28.133	117HB	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,017,230:77:0	
2635	97	178	03:03:37.466	117HB105A106A4A	7STRP	0.061076,0.0,0,0	Slew =,0.41	2R5	4	1	4,017,231:00:0	
2636	97	178	03:03:37.466	176HB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,017,231:00:0	
2637	97	178	03:06:14.800	117HB105A106A4B	7STRP	-0.060072,-0.001	Slew =12.01	2R5	4	1	4,017,233:54:0	
2638	97	178	03:06:28.133	117HB105A106A4C	7STRP	0.061076,0.0,0,0	Slew =,0.41	2R5	4	1	4,017,233:74:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2639	97	178	03:09:05.466	117HB105A106A4D	7STRP	-0.060072,-0.001	Slew =12.01	2R5	4	1	4,017,236	37:0
2640	97	178	03:09:18.800	117HB105A106A4E	7STRP	0.061076,0.0,0,0	Slew =,0.41	2R5	4	1	4,017,236	57:0
2641	97	178	03:11:56.133	117HB105A106A4F	7STRP	-0.060072,-0.001	Slew =12.01	2R5	4	1	4,017,239	20:0
2642	97	178	03:12:09.466	117HB105A106A4G	7STRP	0.061076,0.0,0,0	Slew =,0.41	2R5	4	1	4,017,239	40:0
2643	97	178	03:14:46.800	117HB105A106A4H	7STRP	-0.060072,-0.001	Slew =12.01	2R5	4	1	4,017,242	03:0
2644	97	178	03:15:00.133	117HB105A106A4I	7STRP	0.061076,0.0,0,0	Slew =,0.41	2R5	4	1	4,017,242	23:0
2645	97	178	03:17:37.466	117HB105A106A4J	7STRP	-0.060072,-0.001	Slew =12.01	2R5	4	1	4,017,244	77:0
2646	97	178	03:17:50.800	117HB105A106A4K	7STRP	0.061076,0.0,0,0	Slew =,0.41	2R5	4	1	4,017,245	06:0
2647	97	178	03:20:28.133	117HB105A106A4L	7STRP	-0.060072,-0.001	Slew =12.01	2R5	4	1	4,017,247	60:0
2648	97	178	03:20:41.466	117HB105A106A4M	7STRP	0.061076,0.0,0,0	Slew =,0.41	2R5	4	1	4,017,247	80:0
2649	97	178	03:20:50.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,017,248	02:0
2650	97	178	03:20:50.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2924.70 +/- 1	2R5	4	1	4,017,248	02:0
2651	97	178	03:20:56.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2924.70 +/- 1	2R5	4	1	4,017,248	12:0
2652	97	178	03:20:58.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *2924.82 +/- 1	2R5	4	1	4,017,248	14:1
2653	97	178	03:21:25.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2931.21 +/- 1	2R5	4	1	4,017,248	55:0
2654	97	178	03:21:48.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2936.52 +/- 1	2R5	4	1	4,017,248	89:0
2655	97	178	03:21:48.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,248	89:0
2656	97	178	03:21:49.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2936.58 +/- 1	2R5	4	1	4,017,248	90:8
2657	97	178	03:23:18.800	117HB105A106A4N	7STRP	-0.060072,-0.001	Slew =12.01	2R5	4	1	4,017,250	43:0
2658	97	178	03:23:32.133	117HB105A106A4O	7STRP	0.061076,0.0,0,0	Slew =,0.41	2R5	4	1	4,017,250	63:0
2659	97	178	03:26:09.466	117HB105A106A4P	7STRP	-0.060072,-0.001	Slew =12.01	2R5	4	1	4,017,253	26:0
2660	97	178	03:26:22.800	117HB105A106A4Q	7STRP	0.061076,0.0,0,0	Slew =,0.41	2R5	4	1	4,017,253	46:0
2661	97	178	03:29:00.133	117HB105A106A4R	7STRP	-0.060072,-0.001	Slew =12.01	2R5	4	1	4,017,256	09:0
2662	97	178	03:29:13.466	117HB105A106A4S	7STRP	0.061076,0.0,0,0	Slew =,0.41	2R5	4	1	4,017,256	29:0
2663	97	178	03:31:50.800	117HB105A106A4T	7STRP	-0.060072,-0.001	Slew =12.01	2R5	4	1	4,017,258	83:0
2664	97	178	03:32:04.133	117HB105A106A4U	7STRP	0.061076,0.0,0,0	Slew =,0.41	2R5	4	1	4,017,259	12:0
2665	97	178	03:34:41.466	117HB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,017,261	66:0
2666	97	178	03:34:58.133	176HB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,017,262	00:0
2667	97	178	03:35:00.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2936.58 +/- 1	2R5	4	1	4,017,262	03:0
2668	97	178	03:35:00.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,017,262	03:0
2669	97	178	03:35:06.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2936.58 +/- 1	2R5	4	1	4,017,262	13:0
2670	97	178	03:35:08.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *2936.70 +/- 1	2R5	4	1	4,017,262	15:1
2671	97	178	03:35:10.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2937.15 +/- 1	2R5	4	1	4,017,262	18:0
2672	97	178	03:35:29.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2941.68 +/- 1	2R5	4	1	4,017,262	47:0
2673	97	178	03:35:29.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,262	47:0
2674	97	178	03:35:30.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2941.74 +/- 1	2R5	4	1	4,017,262	48:8
2675	97	178	03:46:04.800	165IW4A	7SCAN	NORM,318.954998,	Check S/P Position	2R5	4	1	4,017,272	90:0
2676	97	178	03:49:58.133	175IV422A6A	6DMSC	R806,3	DMS Control	2R5	4	1	4,017,276	76:0
2677	97	178	03:49:58.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2941.74 +/- 1	2R5	4	1	4,017,276	76:0
2678	97	178	03:50:04.800		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 2941.74 +/- 1	2R5	4	1	4,017,276	86:0
2679	97	178	03:50:06.800	165IW4B	7VECT		Inert vect update UTC	2R5	4	1	4,017,276	89:0
2680	97	178	03:50:08.800	118IW	**SMOS**	GS		2R5	4	1	4,017,277	01:0
2681	97	178	03:50:09.466	175IV176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R5	4	1	4,017,277	02:0
2682	97	178	03:50:10.066		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 3007.74 +/- 1	2R5	4	1	4,017,277	02:9
2683	97	178	03:50:10.066		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3007.74 +/- 1	2R5	4	1	4,017,277	02:9
2684	97	178	03:50:13.466		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3091.41 +/- 1	2R5	4	1	4,017,277	08:0
2685	97	178	03:50:13.466	175IV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,277	08:0
2686	97	178	03:50:16.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3102.91 +/- 1	2R5	4	1	4,017,277	12:1
2687	97	178	03:50:18.800	118IW110A111A4A	7STRP	0.0034,0.0,26,0,	Slew =,3.01	2R5	4	1	4,017,277	16:0
2688	97	178	03:50:24.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3102.91 +/- 1	2R5	4	1	4,017,277	24:0
2689	97	178	03:50:24.133	175IW422A6A	6DMSC	R806,3	DMS Control	2R5	4	1	4,017,277	24:0
2690	97	178	03:50:27.466	118IW110A111A4B	7STRP	-0.0034,0.0,0,0,	Slew =0,5.0	2R5	4	1	4,017,277	29:0
2691	97	178	03:50:30.800		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 3102.91 +/- 1	2R5	4	1	4,017,277	34:0
2692	97	178	03:50:35.466	175IW176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R5	4	1	4,017,277	41:0
2693	97	178	03:50:36.066		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3168.91 +/- 1	2R5	4	1	4,017,277	41:9

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2694	97	178	03:50:36.066		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 3168.91 +/- 1	2R5	4	1	4,017,277:41:9	
2695	97	178	03:50:39.466	175IW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,277:47:0	
2696	97	178	03:50:39.466		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3252.59 +/- 1	2R5	4	1	4,017,277:47:0	
2697	97	178	03:50:42.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3264.09 +/- 2	2R5	4	1	4,017,277:51:1	
2698	97	178	03:50:44.800	118IW110A111A4C	7STRP	0.0034,0.0,26,0,	Slew =,3.01	2R5	4	1	4,017,277:55:0	
2699	97	178	03:50:50.133	175IX422A6A	6DMSC	R806,3	DMS Control	2R5	4	1	4,017,277:63:0	
2700	97	178	03:50:50.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3264.09 +/- 2	2R5	4	1	4,017,277:63:0	
2701	97	178	03:50:53.466	118IW110A111A4D	7STRP	-0.0034,0.0,0,0,	Slew =0,5.0	2R5	4	1	4,017,277:68:0	
2702	97	178	03:50:56.800		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 3264.09 +/- 2	2R5	4	1	4,017,277:73:0	
2703	97	178	03:51:01.466	175IX176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R5	4	1	4,017,277:80:0	
2704	97	178	03:51:02.066		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 3330.09 +/- 2	2R5	4	1	4,017,277:80:9	
2705	97	178	03:51:02.066		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3330.09 +/- 2	2R5	4	1	4,017,277:80:9	
2706	97	178	03:51:05.466	175IX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,277:86:0	
2707	97	178	03:51:05.466		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3413.76 +/- 2	2R5	4	1	4,017,277:86:0	
2708	97	178	03:51:08.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3425.26 +/- 2	2R5	4	1	4,017,277:90:1	
2709	97	178	03:51:10.800	118IW110A111A4E	7STRP	0.0034,0.0,26,0,	Slew =,3.01	2R5	4	1	4,017,278:03:0	
2710	97	178	03:51:19.466	118IW11A	**SMOS**	GE		2R5	4	1	4,017,278:16:0	
2711	97	178	03:52:08.800	165CO4A	7SCAN	NORM,319.545998,	Check S/P Position	2R5	4	1	4,017,278:90:0	
2712	97	178	03:56:10.800	165CO4B	7VECT		Inert vect update UTC	2R5	4	1	4,017,282:89:0	
2713	97	178	04:28:32.800	165HD4A	7SCAN	NORM,285.419998,	Check S/P Position	2R5	4	1	4,017,314:90:0	
2714	97	178	04:32:26.800	117HD	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,017,318:77:0	
2715	97	178	04:32:36.133	117HD105A106A4A	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,319:00:0	
2716	97	178	04:32:36.133	176HD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,017,319:00:0	
2717	97	178	04:33:36.800	117HD105A106A4B	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,320:00:0	
2718	97	178	04:33:47.466	117HD105A106A4C	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,320:16:0	
2719	97	178	04:34:48.133	117HD105A106A4D	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,321:16:0	
2720	97	178	04:34:58.800	117HD105A106A4E	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,321:32:0	
2721	97	178	04:35:59.466	117HD105A106A4F	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,322:32:0	
2722	97	178	04:36:10.133	117HD105A106A4G	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,322:48:0	
2723	97	178	04:37:10.800	117HD105A106A4H	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,323:48:0	
2724	97	178	04:37:21.466	117HD105A106A4I	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,323:64:0	
2725	97	178	04:38:22.133	117HD105A106A4J	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,324:64:0	
2726	97	178	04:38:32.800	117HD105A106A4K	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,324:80:0	
2727	97	178	04:39:33.466	117HD105A106A4L	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,325:80:0	
2728	97	178	04:39:44.133	117HD105A106A4M	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,326:05:0	
2729	97	178	04:40:44.800	117HD105A106A4N	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,327:05:0	
2730	97	178	04:40:55.466	117HD105A106A4O	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,327:21:0	
2731	97	178	04:41:56.133	117HD105A106A4P	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,328:21:0	
2732	97	178	04:42:06.800	117HD105A106A4Q	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,328:37:0	
2733	97	178	04:43:07.466	117HD105A106A4R	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,329:37:0	
2734	97	178	04:43:18.133	117HD105A106A4S	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,329:53:0	
2735	97	178	04:44:18.800	117HD105A106A4T	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,330:53:0	
2736	97	178	04:44:29.466	117HD105A106A4U	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,330:69:0	
2737	97	178	04:45:30.133	117HD105A106A4V	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,331:69:0	
2738	97	178	04:45:40.800	117HD105A106A4W	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,331:85:0	
2739	97	178	04:46:41.466	117HD105A106A4X	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,332:85:0	
2740	97	178	04:46:52.133	117HD105A106A4Y	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,333:10:0	
2741	97	178	04:47:52.800	117HD105A106A4Z	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,334:10:0	
2742	97	178	04:48:03.466	117HD105A106A4AA	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,334:26:0	
2743	97	178	04:49:04.133	117HD105A106A4AB	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,335:26:0	
2744	97	178	04:49:14.800	117HD105A106A4AC	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,335:42:0	
2745	97	178	04:49:48.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3425.26 +/- 2	2R5	4	1	4,017,336:02:0	
2746	97	178	04:49:48.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,017,336:02:0	
2747	97	178	04:49:55.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3425.26 +/- 2	2R5	4	1	4,017,336:12:0	
2748	97	178	04:49:56.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *3425.38 +/- 2	2R5	4	1	4,017,336:14:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2749	97	178	04:50:15.466	117HD105A106A4AD	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,336	42:0
2750	97	178	04:50:24.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3431.77 +/- 2	2R5	4	1	4,017,336	55:0
2751	97	178	04:50:26.133	117HD105A106A4AE	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,336	58:0
2752	97	178	04:50:46.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3437.08 +/- 2	2R5	4	1	4,017,336	89:0
2753	97	178	04:50:46.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,336	89:0
2754	97	178	04:50:48.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3437.14 +/- 2	2R5	4	1	4,017,336	90:8
2755	97	178	04:51:26.800	117HD105A106A4AF	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,337	58:0
2756	97	178	04:51:37.466	117HD105A106A4AG	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,337	74:0
2757	97	178	04:52:38.133	117HD105A106A4AH	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,338	74:0
2758	97	178	04:52:48.800	117HD105A106A4AI	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,338	90:0
2759	97	178	04:53:49.466	117HD105A106A4AJ	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,339	90:0
2760	97	178	04:54:00.133	117HD105A106A4AK	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,340	15:0
2761	97	178	04:55:00.800	117HD105A106A4AL	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,341	15:0
2762	97	178	04:55:11.466	117HD105A106A4AM	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,341	31:0
2763	97	178	04:56:12.133	117HD105A106A4AN	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,342	31:0
2764	97	178	04:56:22.800	117HD105A106A4AO	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,342	47:0
2765	97	178	04:57:23.466	117HD105A106A4AP	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,343	47:0
2766	97	178	04:57:34.133	117HD105A106A4AQ	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,343	63:0
2767	97	178	04:58:34.800	117HD105A106A4AR	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,344	63:0
2768	97	178	04:58:45.466	117HD105A106A4AS	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,344	79:0
2769	97	178	04:59:46.133	117HD105A106A4AT	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,345	79:0
2770	97	178	04:59:56.800	117HD105A106A4AU	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,346	04:0
2771	97	178	05:00:57.466	117HD105A106A4AV	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,347	04:0
2772	97	178	05:01:08.133	117HD105A106A4AW	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,347	20:0
2773	97	178	05:02:08.800	117HD105A106A4AX	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,348	20:0
2774	97	178	05:02:19.466	117HD105A106A4AY	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,348	36:0
2775	97	178	05:03:20.133	117HD105A106A4AZ	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,349	36:0
2776	97	178	05:03:30.800	117HD105A106A4BA	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,349	52:0
2777	97	178	05:04:31.466	117HD105A106A4BB	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,350	52:0
2778	97	178	05:04:42.133	117HD105A106A4BC	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,350	68:0
2779	97	178	05:05:42.800	117HD105A106A4BD	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,351	68:0
2780	97	178	05:05:53.466	117HD105A106A4BE	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,351	84:0
2781	97	178	05:06:54.133	117HD105A106A4BF	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,352	84:0
2782	97	178	05:07:04.800	117HD105A106A4BG	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,353	09:0
2783	97	178	05:07:40.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3437.14 +/- 2	2R5	4	1	4,017,353	62:0
2784	97	178	05:07:40.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,017,353	62:0
2785	97	178	05:07:46.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3437.14 +/- 2	2R5	4	1	4,017,353	72:0
2786	97	178	05:07:48.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *3437.26 +/- 2	2R5	4	1	4,017,353	74:1
2787	97	178	05:08:05.466	117HD105A106A4BH	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,354	09:0
2788	97	178	05:08:14.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3443.50 +/- 2	2R5	4	1	4,017,354	23:0
2789	97	178	05:08:16.133	117HD105A106A4BI	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,354	25:0
2790	97	178	05:08:37.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3448.81 +/- 2	2R5	4	1	4,017,354	57:0
2791	97	178	05:08:37.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,354	57:0
2792	97	178	05:08:38.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3448.87 +/- 2	2R5	4	1	4,017,354	58:8
2793	97	178	05:09:16.800	117HD105A106A4BJ	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,355	25:0
2794	97	178	05:09:27.466	117HD105A106A4BK	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,355	41:0
2795	97	178	05:10:28.133	117HD105A106A4BL	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,356	41:0
2796	97	178	05:10:38.800	117HD105A106A4BM	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,356	57:0
2797	97	178	05:11:39.466	117HD105A106A4BN	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,357	57:0
2798	97	178	05:11:50.133	117HD105A106A4BO	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,357	73:0
2799	97	178	05:12:50.800	117HD105A106A4BP	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,358	73:0
2800	97	178	05:13:01.466	117HD105A106A4BQ	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,358	89:0
2801	97	178	05:14:02.133	117HD105A106A4BR	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,359	89:0
2802	97	178	05:14:12.800	117HD105A106A4BS	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,360	14:0
2803	97	178	05:15:13.466	117HD105A106A4BT	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,361	14:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2804	97	178	05:15:24.133	117HD105A106A4BU	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,361:30:0	
2805	97	178	05:16:24.800	117HD105A106A4BV	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,362:30:0	
2806	97	178	05:16:35.466	117HD105A106A4BW	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,362:46:0	
2807	97	178	05:17:36.133	117HD105A106A4BX	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,363:46:0	
2808	97	178	05:17:46.800	117HD105A106A4BY	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,363:62:0	
2809	97	178	05:18:47.466	117HD105A106A4BZ	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,364:62:0	
2810	97	178	05:18:58.133	117HD105A106A4CA	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,364:78:0	
2811	97	178	05:19:58.800	117HD105A106A4CB	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,365:78:0	
2812	97	178	05:20:09.466	117HD105A106A4CC	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,366:03:0	
2813	97	178	05:21:10.133	117HD105A106A4CD	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,367:03:0	
2814	97	178	05:21:20.800	117HD105A106A4CE	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,367:19:0	
2815	97	178	05:22:21.466	117HD105A106A4CF	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,368:19:0	
2816	97	178	05:22:32.133	117HD105A106A4CG	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,368:35:0	
2817	97	178	05:23:32.800	117HD105A106A4CH	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,369:35:0	
2818	97	178	05:23:43.466	117HD105A106A4CI	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,369:51:0	
2819	97	178	05:24:44.133	117HD105A106A4CJ	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,370:51:0	
2820	97	178	05:24:54.800	117HD105A106A4CK	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,370:67:0	
2821	97	178	05:25:31.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3448.87 +/- 2	2R5	4	1	4,017,371:31:0	
2822	97	178	05:25:31.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,017,371:31:0	
2823	97	178	05:25:38.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3448.87 +/- 2	2R5	4	1	4,017,371:41:0	
2824	97	178	05:25:39.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *3448.99 +/- 2	2R5	4	1	4,017,371:43:1	
2825	97	178	05:25:55.466	117HD105A106A4CL	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,371:67:0	
2826	97	178	05:26:06.133	117HD105A106A4CM	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,371:83:0	
2827	97	178	05:26:06.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3455.22 +/- 2	2R5	4	1	4,017,371:83:0	
2828	97	178	05:26:28.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3460.54 +/- 2	2R5	4	1	4,017,372:26:0	
2829	97	178	05:26:28.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,372:26:0	
2830	97	178	05:26:30.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3460.60 +/- 2	2R5	4	1	4,017,372:27:8	
2831	97	178	05:27:06.800	117HD105A106A4CN	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,372:83:0	
2832	97	178	05:27:17.466	117HD105A106A4CO	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,373:08:0	
2833	97	178	05:28:18.133	117HD105A106A4CP	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,374:08:0	
2834	97	178	05:28:28.800	117HD105A106A4CQ	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,374:24:0	
2835	97	178	05:29:29.466	117HD105A106A4CR	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,375:24:0	
2836	97	178	05:29:40.133	117HD105A106A4CS	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,375:40:0	
2837	97	178	05:30:40.800	117HD105A106A4CT	7STRP	0.0018,0.015003,	Slew =12.01	2R5	4	1	4,017,376:40:0	
2838	97	178	05:30:51.466	117HD105A106A4CU	7STRP	0.0,-0.015003,0,	Slew =,0.55	2R5	4	1	4,017,376:56:0	
2839	97	178	05:31:52.133	176HD6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,017,377:56:0	
2840	97	178	05:31:52.133	117HD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,017,377:56:0	
2841	97	178	05:31:54.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,017,377:59:0	
2842	97	178	05:31:54.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3460.60 +/- 2	2R5	4	1	4,017,377:59:0	
2843	97	178	05:32:00.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3460.60 +/- 2	2R5	4	1	4,017,377:69:0	
2844	97	178	05:32:02.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *3460.72 +/- 2	2R5	4	1	4,017,377:71:1	
2845	97	178	05:32:04.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3461.17 +/- 2	2R5	4	1	4,017,377:74:0	
2846	97	178	05:32:17.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,378:03:0	
2847	97	178	05:32:17.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3464.29 +/- 2	2R5	4	1	4,017,378:03:0	
2848	97	178	05:32:18.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3464.35 +/- 2	2R5	4	1	4,017,378:04:8	
2849	97	178	05:51:35.466	488V6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2R5	4	1	4,017,397:11:0	
2850	**97**	**178**	**05:53:33.466**	**C9NNRELOAD03-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2851	**97**	**178**	**05:54:34.133**	**20ED6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R5**	**4**	**1**	**4,017,400:06:0**	
2852	**97**	**178**	**05:55:34.800**	**20ED5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**4,017,401:06:0**	
2853	**97**	**178**	**05:56:35.466**	**20ED5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**4,017,402:06:0**	
2854	97	178	05:57:31.466	165IX4A	7SCAN	NORM,319.773998,	Check S/P Position	2R5	4	1	4,017,402:90:0	
2855	**97**	**178**	**05:57:36.133**	**20ED6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**4,017,403:06:0**	
2856	**97**	**178**	**05:58:36.800**	**20ED6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**4,017,404:06:0**	
2857	**97**	**178**	**05:59:37.466**	**20ED5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,017,405:06:0**	
2858	**97**	**178**	**06:00:38.133**	**20ED5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,017,406:06:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2859	97	178	06:01:23.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3464.35 +/- 2	260	4	0	4,017,406:74:0	
2860	97	178	06:01:23.466	175IY422A6A	6DMSC	R806,3	DMS Control	260	4	0	4,017,406:74:0	
2861	97	178	06:01:30.133		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 3464.35 +/- 2	260	4	0	4,017,406:84:0	
2862	97	178	06:01:33.466	165IX4B	7VECT		Inert vect update UTC	260	4	0	4,017,406:89:0	
2863	97	178	06:01:34.800	175IY176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	260	4	0	4,017,407:00:0	
2864	97	178	06:01:35.400		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3530.35 +/- 2	260	4	0	4,017,407:00:9	
2865	97	178	06:01:35.400		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 3530.35 +/- 2	260	4	0	4,017,407:00:9	
2866	**97**	**178**	**06:01:38.800**	**20ED4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,017,407:06:0**	
2867	97	178	06:01:44.133		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3745.28 +/- 2	2R0	4	0	4,017,407:14:0	
2868	97	178	06:01:44.133	175IY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,017,407:14:0	
2869	97	178	06:01:46.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3756.78 +/- 3	2R0	4	0	4,017,407:18:1	
2870	**97**	**178**	**06:02:39.466**	**20ED4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,017,408:06:0**	
2871	**97**	**178**	**06:03:40.133**	**C9NNRELOAD03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2872	**97**	**178**	**06:32:59.466**	**C9JNGRS01102-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2873	97	178	06:34:56.133	165DX4A	7SCAN	NORM,304.842999,	Check S/P Position	2R3	4	0	4,017,439:90:0	
2874	97	178	06:37:54.133	127DX	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,017,442:84:0	
2875	**97**	**178**	**06:37:54.133**	**127DX4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,017,442:84:0**	
2876	**97**	**178**	**06:37:54.800**	**127DX4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,017,442:85:0**	
2877	97	178	06:38:02.800	127DX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,017,443:06:0	
2878	97	178	06:38:48.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3756.78 +/- 3	2R5	4	1	4,017,443:74:0	
2879	97	178	06:38:48.133	175DX422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,017,443:74:0	
2880	97	178	06:38:50.133	117DX	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,017,443:77:0	
2881	97	178	06:38:54.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3756.78 +/- 3	2R5	4	1	4,017,443:84:0	
2882	97	178	06:38:56.133	175DX176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,017,443:86:0	
2883	97	178	06:38:56.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3756.90 +/- 3	2R5	4	1	4,017,443:86:1	
2884	97	178	06:38:56.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3756.90 +/- 3	2R5	4	1	4,017,443:86:1	
2885	**97**	**178**	**06:38:59.466**	**C9JNGRS01102-**	**NIMPBK**	**301DR**	**JUPITER GREAT RED SPOT 11 DEGREE**	**2R5**	**4**	**1**	**: :**	
2886	97	178	06:38:59.466	117DX105A106A4A	7STRP	-0.021803,0.0,0,	Slew =,0.11	2R5	4	1	4,017,444:00:0	
2887	97	178	06:42:19.466	117DX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,017,447:27:0	
2888	**97**	**178**	**06:42:19.466**	**C9JNGRS01102-**	**DESELC**	**300DR**	**JUPITER GREAT RED SPOT 11 DEGREE**	**2R5**	**4**	**1**	**: :**	
2889	97	178	06:42:21.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3805.00 +/- 3	2R5	4	1	4,017,447:30:0	
2890	97	178	06:42:21.466	175DX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,447:30:0	
2891	97	178	06:42:21.466	175DX6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,017,447:30:0	
2892	97	178	06:42:22.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3805.06 +/- 3	2R5	4	1	4,017,447:31:8	
2893	**97**	**178**	**06:43:06.133**	**C9JNGRS01102-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2894	97	178	06:45:02.800	165HF4A	7SCAN	NORM,304.015999,	Check S/P Position	2R5	4	1	4,017,449:90:0	
2895	97	178	06:48:56.800	117HF	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,017,453:77:0	
2896	97	178	06:49:06.133	117HF105A106A4A	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,454:00:0	
2897	97	178	06:49:06.133	176HF6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,017,454:00:0	
2898	97	178	06:49:58.800	117HF105A106A4B	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,454:79:0	
2899	97	178	06:50:12.133	117HF105A106A4C	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,455:08:0	
2900	97	178	06:51:04.800	117HF105A106A4D	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,455:87:0	
2901	97	178	06:51:18.133	117HF105A106A4E	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,456:16:0	
2902	97	178	06:52:10.800	117HF105A106A4F	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,457:04:0	
2903	97	178	06:52:24.133	117HF105A106A4G	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,457:24:0	
2904	97	178	06:53:16.800	117HF105A106A4H	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,458:12:0	
2905	97	178	06:53:30.133	117HF105A106A4I	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,458:32:0	
2906	97	178	06:54:22.800	117HF105A106A4J	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,459:20:0	
2907	97	178	06:54:36.133	117HF105A106A4K	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,459:40:0	
2908	97	178	06:55:28.800	117HF105A106A4L	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,460:28:0	
2909	97	178	06:55:42.133	117HF105A106A4M	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,460:48:0	
2910	97	178	06:56:34.800	117HF105A106A4N	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,461:36:0	
2911	97	178	06:56:48.133	117HF105A106A4O	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,461:56:0	
2912	97	178	06:57:40.800	117HF105A106A4P	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,462:44:0	
2913	97	178	06:57:54.133	117HF105A106A4Q	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,462:64:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2914	97	178	06:58:46.800	117HF105A106A4R	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,463	52:0
2915	97	178	06:59:00.133	117HF105A106A4S	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,463	72:0
2916	97	178	06:59:52.800	117HF105A106A4T	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,464	60:0
2917	97	178	07:00:06.133	117HF105A106A4U	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,464	80:0
2918	97	178	07:00:58.800	117HF105A106A4V	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,465	68:0
2919	97	178	07:01:12.133	117HF105A106A4W	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,465	88:0
2920	97	178	07:02:04.800	117HF105A106A4X	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,466	76:0
2921	97	178	07:02:18.133	117HF105A106A4Y	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,467	05:0
2922	97	178	07:03:10.800	117HF105A106A4Z	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,467	84:0
2923	97	178	07:03:24.133	117HF105A106A4AA	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,468	13:0
2924	97	178	07:04:16.800	117HF105A106A4AB	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,469	01:0
2925	97	178	07:04:30.133	117HF105A106A4AC	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,469	21:0
2926	97	178	07:05:22.800	117HF105A106A4AD	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,470	09:0
2927	97	178	07:05:36.133	117HF105A106A4AE	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,470	29:0
2928	97	178	07:06:18.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3805.06 +/- 3	2R5	4	1	4,017,471	02:0
2929	97	178	07:06:18.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,017,471	02:0
2930	97	178	07:06:25.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3805.06 +/- 3	2R5	4	1	4,017,471	12:0
2931	97	178	07:06:26.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *3805.18 +/- 3	2R5	4	1	4,017,471	14:1
2932	97	178	07:06:28.800	117HF105A106A4AF	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,471	17:0
2933	97	178	07:06:42.133	117HF105A106A4AG	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,471	37:0
2934	97	178	07:06:54.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3811.58 +/- 3	2R5	4	1	4,017,471	55:0
2935	97	178	07:07:16.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,471	89:0
2936	97	178	07:07:16.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3816.89 +/- 3	2R5	4	1	4,017,471	89:0
2937	97	178	07:07:18.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3816.95 +/- 3	2R5	4	1	4,017,471	90:8
2938	97	178	07:07:34.800	117HF105A106A4AH	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,472	25:0
2939	97	178	07:07:48.133	117HF105A106A4AI	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,472	45:0
2940	97	178	07:08:40.800	117HF105A106A4AJ	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,473	33:0
2941	97	178	07:08:54.133	117HF105A106A4AK	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,473	53:0
2942	97	178	07:09:46.800	117HF105A106A4AL	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,474	41:0
2943	97	178	07:10:00.133	117HF105A106A4AM	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,474	61:0
2944	97	178	07:10:52.800	117HF105A106A4AN	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,475	49:0
2945	97	178	07:11:06.133	117HF105A106A4AO	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,475	69:0
2946	97	178	07:11:58.800	117HF105A106A4AP	7STRP	0.0035,0.011705,	Slew =12.01	2R5	4	1	4,017,476	57:0
2947	97	178	07:12:12.133	117HF105A106A4AQ	7STRP	-0.001,-0.012005	Slew =,0.87	2R5	4	1	4,017,476	77:0
2948	97	178	07:12:31.466	488W6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2R5	4	1	4,017,477	15:0
2949	97	178	07:13:04.800	117HF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,017,477	65:0
2950	97	178	07:19:26.133	176HF6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,017,484	00:0
2951	97	178	07:19:28.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3816.95 +/- 3	2R5	4	1	4,017,484	03:0
2952	97	178	07:19:28.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,017,484	03:0
2953	97	178	07:19:34.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3816.95 +/- 3	2R5	4	1	4,017,484	13:0
2954	97	178	07:19:36.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *3817.07 +/- 3	2R5	4	1	4,017,484	15:1
2955	97	178	07:19:38.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3817.52 +/- 3	2R5	4	1	4,017,484	18:0
2956	97	178	07:19:56.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,484	45:0
2957	97	178	07:19:56.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3821.74 +/- 3	2R5	4	1	4,017,484	45:0
2958	97	178	07:19:57.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3821.80 +/- 3	2R5	4	1	4,017,484	46:8
2959	97	178	07:21:26.800	165IY4A	7SCAN	NORM,312.830997,	Check S/P Position	2R5	4	1	4,017,485	90:0
2960	97	178	07:25:21.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3821.80 +/- 3	2R5	4	1	4,017,489	78:0
2961	97	178	07:25:21.466	175IZ422A6A	6DMSC	R115,3	DMS Control	2R5	4	1	4,017,489	78:0
2962	97	178	07:25:28.133		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3821.80 +/- 3	2R5	4	1	4,017,489	88:0
2963	97	178	07:25:28.800	165IY4B	7VECT		Inert vect update UTC	2R5	4	1	4,017,489	89:0
2964	97	178	07:25:31.466	175IZ176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R5	4	1	4,017,490	02:0
2965	97	178	07:25:32.133		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3828.10 +/- 3	2R5	4	1	4,017,490	03:0
2966	97	178	07:25:32.133		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3828.10 +/- 3	2R5	4	1	4,017,490	03:0
2967	97	178	07:25:38.800	175IZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,490	13:0
2968	97	178	07:25:38.800		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3851.54 +/- 3	2R5	4	1	4,017,490	13:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2969	97	178	07:25:40.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3852.54 +/- 3	2R5	4	1	4,017,490:14:8	
2970	97	178	07:36:07.466	488W6B	6TMSED	FILL,CL5	Sci, Eng, and D/L Chan	2R5	4	1	4,017,500:46:0	
2971	97	178	07:42:56.133	488W6C	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2R5	4	1	4,017,507:22:0	
2972	97	178	07:49:45.466	165IZ4A	7SCAN	NORM,297.792,-22	Check S/P Position	2R5	4	1	4,017,513:90:0	
2973	97	178	07:53:40.133	175JA422A6A	6DMSC	R115,3	DMS Control	2R5	4	1	4,017,517:78:0	
2974	97	178	07:53:40.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3852.54 +/- 3	2R5	4	1	4,017,517:78:0	
2975	97	178	07:53:46.800		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3852.54 +/- 3	2R5	4	1	4,017,517:88:0	
2976	97	178	07:53:47.466	165IZ4B	7VECT		Inert vect update UTC	2R5	4	1	4,017,517:89:0	
2977	97	178	07:53:50.133	175JA176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R5	4	1	4,017,518:02:0	
2978	97	178	07:53:50.800		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3858.84 +/- 3	2R5	4	1	4,017,518:03:0	
2979	97	178	07:53:50.800		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3858.84 +/- 3	2R5	4	1	4,017,518:03:0	
2980	97	178	07:53:57.466	175JA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,518:13:0	
2981	97	178	07:53:57.466		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3882.27 +/- 3	2R5	4	1	4,017,518:13:0	
2982	97	178	07:53:58.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3883.27 +/- 3	2R5	4	1	4,017,518:14:8	
2983	**97**	**178**	**08:19:09.466**	**C9JNGRS01103-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2984	97	178	08:20:05.466	165DY4A	7SCAN	NORM,308.452,-22	Check S/P Position	2R5	4	1	4,017,543:90:0	
2985	97	178	08:23:57.466	175DY422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,017,547:74:0	
2986	97	178	08:23:57.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3883.27 +/- 3	2R5	4	1	4,017,547:74:0	
2987	97	178	08:23:59.466	117DY	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,017,547:77:0	
2988	97	178	08:24:04.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3883.27 +/- 3	2R5	4	1	4,017,547:84:0	
2989	97	178	08:24:05.466	175DY176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,017,547:86:0	
2990	97	178	08:24:05.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3883.39 +/- 3	2R5	4	1	4,017,547:86:1	
2991	97	178	08:24:05.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3883.39 +/- 3	2R5	4	1	4,017,547:86:1	
2992	97	178	08:24:08.800	117DY105A106A4A	7STRP	-0.021803,0.0,0,	Slew =,0.11	2R5	4	1	4,017,548:00:0	
2993	**97**	**178**	**08:24:08.800**	**C9JNGRS01103-**	**NIMPBK**	**301DS**	**JUPITER GREAT RED SPOT 11 DEGREE**	**2R5**	**4**	**1**	**: :**	
2994	97	178	08:27:28.800	117DY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,017,551:27:0	
2995	**97**	**178**	**08:27:28.800**	**C9JNGRS01103-**	**DESELC**	**300DS**	**JUPITER GREAT RED SPOT 11 DEGREE**	**2R5**	**4**	**1**	**: :**	
2996	97	178	08:27:30.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3931.50 +/- 3	2R5	4	1	4,017,551:30:0	
2997	97	178	08:27:30.800	175DY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,551:30:0	
2998	97	178	08:27:30.800	175DY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,017,551:30:0	
2999	97	178	08:27:32.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3931.56 +/- 3	2R5	4	1	4,017,551:31:8	
3000	**97**	**178**	**08:28:15.466**	**C9JNGRS01103-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3001	97	178	08:30:00.133	488W6D	6TMSED	NORM,GL5	Sci, Eng, and D/L Chan	2R5	4	1	4,017,553:72:0	
3002	97	178	08:30:00.800	282NX432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R5	4	1	4,017,553:73:0	
3003	97	178	08:30:01.466	282NX432A6A	6RTSL1		R/T Select of DDS and	2R5	4	1	4,017,553:74:0	
3004	97	178	09:04:34.800	165JA4A	7SCAN	NORM,304.028999,	Check S/P Position	2R5	4	1	4,017,587:90:0	
3005	97	178	09:08:29.466	175JB422A6A	6DMSC	R115,3	DMS Control	2R5	4	1	4,017,591:78:0	
3006	97	178	09:08:29.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3931.56 +/- 3	2R5	4	1	4,017,591:78:0	
3007	97	178	09:08:36.133		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3931.56 +/- 3	2R5	4	1	4,017,591:88:0	
3008	97	178	09:08:36.800	165JA4B	7VECT		Inert vect update UTC	2R5	4	1	4,017,591:89:0	
3009	97	178	09:08:39.466	175JB176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R5	4	1	4,017,592:02:0	
3010	97	178	09:08:40.133		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3937.86 +/- 3	2R5	4	1	4,017,592:03:0	
3011	97	178	09:08:40.133		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3937.86 +/- 3	2R5	4	1	4,017,592:03:0	
3012	97	178	09:08:46.800		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3961.30 +/- 3	2R5	4	1	4,017,592:13:0	
3013	97	178	09:08:46.800	175JB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,592:13:0	
3014	97	178	09:08:48.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3962.30 +/- 3	2R5	4	1	4,017,592:14:8	
3015	97	178	09:38:57.466	165JB4A	7SCAN	NORM,324.796997,	Check S/P Position	2R5	4	1	4,017,621:90:0	
3016	97	178	09:42:52.133	175JC422A6A	6DMSC	R115,3	DMS Control	2R5	4	1	4,017,625:78:0	
3017	97	178	09:42:52.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3962.30 +/- 3	2R5	4	1	4,017,625:78:0	
3018	97	178	09:42:58.800		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3962.30 +/- 3	2R5	4	1	4,017,625:88:0	
3019	97	178	09:43:02.133	175JC176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R5	4	1	4,017,626:02:0	
3020	97	178	09:43:02.800		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3968.60 +/- 3	2R5	4	1	4,017,626:03:0	
3021	97	178	09:43:02.800		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3968.60 +/- 3	2R5	4	1	4,017,626:03:0	
3022	97	178	09:43:09.466	175JC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,626:13:0	
3023	97	178	09:43:09.466		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3992.04 +/- 3	2R5	4	1	4,017,626:13:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3024	97	178	09:43:10.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3993.04 +/- 3	2R5	4	1	4,017,626:14:8	
3025	97	178	09:56:08.800	165JC4A	7SCAN	NORM,308.835999,	Check S/P Position	2R5	4	1	4,017,638:90:0	
3026	97	178	10:00:03.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3993.04 +/- 3	2R5	4	1	4,017,642:78:0	
3027	97	178	10:00:03.466	175JD422A6A	6DMSC	R115,3	DMS Control	2R5	4	1	4,017,642:78:0	
3028	97	178	10:00:10.133		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3993.04 +/- 3	2R5	4	1	4,017,642:88:0	
3029	97	178	10:00:10.800	165JC4B	7VECT		Inert vect update UTC	2R5	4	1	4,017,642:89:0	
3030	97	178	10:00:13.466	175JD176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R5	4	1	4,017,643:02:0	
3031	97	178	10:00:14.133		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3999.34 +/- 3	2R5	4	1	4,017,643:03:0	
3032	97	178	10:00:14.133		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3999.34 +/- 3	2R5	4	1	4,017,643:03:0	
3033	97	178	10:00:20.800		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4022.78 +/- 3	2R5	4	1	4,017,643:13:0	
3034	97	178	10:00:20.800	175JD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,643:13:0	
3035	97	178	10:00:22.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4023.78 +/- 3	2R5	4	1	4,017,643:14:8	
3036	**97**	**178**	**10:31:36.800**	**C9INCHEMIS01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3037	97	178	10:32:32.800	165EA4A	7SCAN	NORM,344.792,-6.	Check S/P Position	2R5	4	1	4,017,674:90:0	
3038	97	178	10:35:30.800	127EA	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,017,677:84:0	
3039	**97**	**178**	**10:35:30.800**	**127EA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,017,677:84:0**	
3040	**97**	**178**	**10:35:31.466**	**127EA4B**	**37ETB**	**07,C7,02,25,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,017,677:85:0**	
3041	97	178	10:35:39.466	127EA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,017,678:06:0	
3042	97	178	10:36:24.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4023.78 +/- 3	2R3	4	0	4,017,678:74:0	
3043	97	178	10:36:24.800	175EA422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,017,678:74:0	
3044	97	178	10:36:26.800	117EA	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,017,678:77:0	
3045	97	178	10:36:31.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4023.78 +/- 3	2R3	4	0	4,017,678:84:0	
3046	97	178	10:36:32.800	175EA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,017,678:86:0	
3047	97	178	10:36:32.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4023.90 +/- 3	2R3	4	0	4,017,678:86:1	
3048	97	178	10:36:32.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4023.90 +/- 3	2R3	4	0	4,017,678:86:1	
3049	97	178	10:36:36.133	117EA105A106A4A	7STRP	0.0012,0.0,0,0,0	Slew =,0.01	2R3	4	0	4,017,679:00:0	
3050	**97**	**178**	**10:36:36.133**	**C9INCHEMIS01-**	**NIMPBK**	**301DT**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
3051	**97**	**178**	**10:38:37.466**	**C9INCHEMIS01-**	**DESELC**	**300DT**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
3052	97	178	10:38:39.466	175EA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,017,681:03:0	
3053	97	178	10:38:39.466	175EA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,017,681:03:0	
3054	97	178	10:38:39.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4053.57 +/- 3	2R3	4	0	4,017,681:03:0	
3055	97	178	10:38:40.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4053.63 +/- 3	2R3	4	0	4,017,681:04:8	
3056	97	178	10:39:00.800	117EA105A106A4B	7STRP	-0.0053,0.0,0,0,	Slew =12.01	2R3	4	0	4,017,681:35:0	
3057	97	178	10:39:06.800	117EA105A106A4C	7STRP	0.0012,0.0,0,0,0	Slew =,0.01	2R3	4	0	4,017,681:44:0	
3058	97	178	10:41:31.466	117EA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,017,683:79:0	
3059	**97**	**178**	**10:42:00.133**	**C9INCHEMIS01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3060	97	178	10:55:48.133	165HG4A	7SCAN	NORM,346.707996,	Check S/P Position	2R3	4	0	4,017,697:90:0	
3061	97	178	10:59:42.133	117HG	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,017,701:77:0	
3062	97	178	10:59:51.466	117HG105A106A4A	7STRP	0.002,0.0,0,0,0,	Slew =,0.02	2R3	4	0	4,017,702:00:0	
3063	97	178	10:59:51.466	176HG6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,017,702:00:0	
3064	97	178	11:01:32.800	117HG105A106A4B	7STRP	-0.0052,0.0009,0	Slew =,2.66	2R3	4	0	4,017,703:61:0	
3065	97	178	11:01:38.133	117HG105A106A4C	7STRP	0.002,0.0,0,0,0,	Slew =,0.02	2R3	4	0	4,017,703:69:0	
3066	97	178	11:03:19.466	117HG105A106A4D	7STRP	-0.0052,0.0009,0	Slew =,2.66	2R3	4	0	4,017,705:39:0	
3067	97	178	11:03:24.800	117HG105A106A4E	7STRP	0.002,0.0,0,0,0,	Slew =,0.02	2R3	4	0	4,017,705:47:0	
3068	97	178	11:05:06.133	117HG105A106A4F	7STRP	-0.0052,0.0009,0	Slew =,2.66	2R3	4	0	4,017,707:17:0	
3069	97	178	11:05:11.466	488W6E	6TMSED	NORM,GL7	Sci, Eng, and D/L Chan	2R3	4	0	4,017,707:25:0	
3070	97	178	11:05:11.466	117HG105A106A4G	7STRP	0.002,0.0,0,0,0,	Slew =,0.02	2R3	4	0	4,017,707:25:0	
3071	97	178	11:06:52.800	117HG105A106A4H	7STRP	-0.0052,0.0009,0	Slew =,2.66	2R3	4	0	4,017,708:86:0	
3072	97	178	11:06:58.133	117HG105A106A4I	7STRP	0.002,0.0,0,0,0,	Slew =,0.02	2R3	4	0	4,017,709:03:0	
3073	97	178	11:08:39.466	117HG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,017,710:64:0	
3074	97	178	11:09:58.133	176HG6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,017,712:00:0	
3075	97	178	11:10:00.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4053.63 +/- 3	2R3	4	0	4,017,712:03:0	
3076	97	178	11:10:00.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,017,712:03:0	
3077	97	178	11:10:06.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4053.63 +/- 3	2R3	4	0	4,017,712:13:0	
3078	97	178	11:10:08.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4053.75 +/- 3	2R3	4	0	4,017,712:15:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3079	97	178	11:10:10.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4054.20 +/- 3	2R3	4	0	4,017,712:18:0	
3080	97	178	11:10:26.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4058.11 +/- 3	2R3	4	0	4,017,712:43:0	
3081	97	178	11:10:26.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,017,712:43:0	
3082	97	178	11:10:28.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4058.17 +/- 3	2R3	4	0	4,017,712:44:8	
3083	97	178	11:30:10.800	165JD4A	7SCAN	NORM,331.508999,	Check S/P Position	2R3	4	0	4,017,731:90:0	
3084	97	178	11:34:05.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4058.17 +/- 3	2R3	4	0	4,017,735:78:0	
3085	97	178	11:34:05.466	175JE422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,017,735:78:0	
3086	97	178	11:34:12.133		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4058.17 +/- 3	2R3	4	0	4,017,735:88:0	
3087	97	178	11:34:12.800	165JD4B	7VECT		Inert vect update UTC	2R3	4	0	4,017,735:89:0	
3088	97	178	11:34:15.466	175JE176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R3	4	0	4,017,736:02:0	
3089	97	178	11:34:16.133		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4064.47 +/- 3	2R3	4	0	4,017,736:03:0	
3090	97	178	11:34:16.133		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4064.47 +/- 3	2R3	4	0	4,017,736:03:0	
3091	97	178	11:34:22.800		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4087.91 +/- 3	2R3	4	0	4,017,736:13:0	
3092	97	178	11:34:22.800	175JE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,017,736:13:0	
3093	97	178	11:34:24.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4088.91 +/- 3	2R3	4	0	4,017,736:14:8	
3094	97	178	11:43:17.466	488X6A	6TMSED	FILL,GL7	Sci, Eng, and D/L Chan	2R3	4	0	4,017,744:87:0	
3095	97	178	11:45:43.466	488X6B	6TMSED	FILL,GL8	Sci, Eng, and D/L Chan	2R3	4	0	4,017,747:33:0	
3096	97	178	11:47:23.466	488X6C	6TMSED	NORM,GL8	Sci, Eng, and D/L Chan	2R3	4	0	4,017,749:01:0	
3097	97	178	12:03:32.800	165JE4A	7SCAN	NORM,318.660999,	Check S/P Position	2R3	4	0	4,017,764:90:0	
3098	97	178	12:07:27.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4088.91 +/- 3	2R3	4	0	4,017,768:78:0	
3099	97	178	12:07:27.466	175JF422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,017,768:78:0	
3100	97	178	12:07:34.133		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4088.91 +/- 3	2R3	4	0	4,017,768:88:0	
3101	97	178	12:07:34.800	165JE4B	7VECT		Inert vect update UTC	2R3	4	0	4,017,768:89:0	
3102	97	178	12:07:37.466	175JF176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R3	4	0	4,017,769:02:0	
3103	97	178	12:07:38.133		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4095.21 +/- 3	2R3	4	0	4,017,769:03:0	
3104	97	178	12:07:38.133		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4095.21 +/- 3	2R3	4	0	4,017,769:03:0	
3105	97	178	12:07:44.800		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4118.64 +/- 3	2R3	4	0	4,017,769:13:0	
3106	97	178	12:07:44.800	175JF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,017,769:13:0	
3107	97	178	12:07:46.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4119.64 +/- 3	2R3	4	0	4,017,769:14:8	
3108	**97**	**178**	**12:08:40.799**	**C9JNWINDOW01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3109	97	178	13:00:00.133	488X6D	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	2R3	4	0	4,017,820:75:0	
3110	97	178	13:25:26.800	165JF4A	7SCAN	NORM,319.239998,	Check S/P Position	2R3	4	0	4,017,845:90:0	
3111	97	178	13:28:20.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4119.64 +/- 3	2R3	4	0	4,017,848:78:0	
3112	97	178	13:28:20.800	175JG422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,017,848:78:0	
3113	97	178	13:28:27.466		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4119.64 +/- 3	2R3	4	0	4,017,848:88:0	
3114	97	178	13:28:30.800	175JG176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R3	4	0	4,017,849:02:0	
3115	97	178	13:28:31.466		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4125.94 +/- 3	2R3	4	0	4,017,849:03:0	
3116	97	178	13:28:31.466		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4125.94 +/- 3	2R3	4	0	4,017,849:03:0	
3117	97	178	13:28:38.133		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4149.38 +/- 3	2R3	4	0	4,017,849:13:0	
3118	97	178	13:28:38.133	175JG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,017,849:13:0	
3119	97	178	13:28:39.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4150.38 +/- 3	2R3	4	0	4,017,849:14:8	
3120	97	178	13:29:29.466	165JG4A	7SCAN	NORM,359.330997,	Check S/P Position	2R3	4	0	4,017,849:90:0	
3121	97	178	13:33:14.133	175JH422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	4,017,853:63:0	
3122	97	178	13:33:14.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4150.38 +/- 3	2R3	4	0	4,017,853:63:0	
3123	97	178	13:33:14.133	165JG4B	7VECT		Inert vect update UTC	2R3	4	0	4,017,853:63:0	
3124	97	178	13:33:20.800		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 4150.38 +/- 3	2R3	4	0	4,017,853:73:0	
3125	97	178	13:33:25.466	175JH176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	4,017,853:80:0	
3126	97	178	13:33:26.066		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 4216.38 +/- 3	2R3	4	0	4,017,853:80:9	
3127	97	178	13:33:26.066		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *4216.38 +/- 3	2R3	4	0	4,017,853:80:9	
3128	97	178	13:33:32.800	176IB6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	4,017,854:00:0	
3129	97	178	13:33:40.133	175JH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,017,854:11:0	
3130	97	178	13:33:40.133		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *4562.55 +/- 3	2R3	4	0	4,017,854:11:0	
3131	97	178	13:33:42.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4574.05 +/- 4	2R3	4	0	4,017,854:15:1	
3132	97	178	13:44:39.466	165JI4A	7SCAN	NORM,326.683998,	Check S/P Position	2R3	4	0	4,017,864:90:0	
3133	97	178	13:47:33.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4574.05 +/- 4	2R3	4	0	4,017,867:78:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3134	97	178	13:47:33.466	175JI422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,017,867:78:0	
3135	97	178	13:47:40.133		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4574.05 +/- 4	2R3	4	0	4,017,867:88:0	
3136	97	178	13:47:40.800	165JI4B	7VECT		Inert vect update UTC	2R3	4	0	4,017,867:89:0	
3137	97	178	13:47:43.466	175JI176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R3	4	0	4,017,868:02:0	
3138	97	178	13:47:44.133		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4580.35 +/- 4	2R3	4	0	4,017,868:03:0	
3139	97	178	13:47:44.133		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4580.35 +/- 4	2R3	4	0	4,017,868:03:0	
3140	97	178	13:47:50.800	175JI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,017,868:13:0	
3141	97	178	13:47:50.800		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4603.79 +/- 4	2R3	4	0	4,017,868:13:0	
3142	97	178	13:47:52.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4604.79 +/- 4	2R3	4	0	4,017,868:14:8	
3143	97	178	13:48:42.133	165JK4A	7SCAN	NORM,318.238998,	Check S/P Position	2R3	4	0	4,017,868:90:0	
3144	97	178	13:51:36.133	175JJ422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,017,871:78:0	
3145	97	178	13:51:36.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4604.79 +/- 4	2R3	4	0	4,017,871:78:0	
3146	97	178	13:51:42.800		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4604.79 +/- 4	2R3	4	0	4,017,871:88:0	
3147	97	178	13:51:43.466	165JK4B	7VECT		Inert vect update UTC	2R3	4	0	4,017,871:89:0	
3148	97	178	13:51:46.133	175JJ176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R3	4	0	4,017,872:02:0	
3149	97	178	13:51:46.800		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4611.09 +/- 4	2R3	4	0	4,017,872:03:0	
3150	97	178	13:51:46.800		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4611.09 +/- 4	2R3	4	0	4,017,872:03:0	
3151	97	178	13:51:53.466		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4634.53 +/- 4	2R3	4	0	4,017,872:13:0	
3152	97	178	13:51:53.466	175JJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,017,872:13:0	
3153	97	178	13:51:54.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4635.53 +/- 4	2R3	4	0	4,017,872:14:8	
3154	**97**	**178**	**14:06:58.800**	**20EE6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**4,017,887:06:0**	
3155	**97**	**178**	**14:07:59.466**	**20EE5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**4,017,888:06:0**	
3156	**97**	**178**	**14:09:00.133**	**20EE5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**4,017,889:06:0**	
3157	**97**	**178**	**14:10:00.800**	**20EE6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**4,017,890:06:0**	
3158	**97**	**178**	**14:11:01.466**	**20EE6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**4,017,891:06:0**	
3159	**97**	**178**	**14:12:02.133**	**20EE5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,017,892:06:0**	
3160	**97**	**178**	**14:12:02.133**	**C9NNRELOAD04-**		**-----START------**		**260**	**4**	**0**	**: :**	
3161	**97**	**178**	**14:13:02.800**	**20EE5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,017,893:06:0**	
3162	**97**	**178**	**14:14:03.466**	**20EE4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,017,894:06:0**	
3163	**97**	**178**	**14:15:04.133**	**20EE4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,017,895:06:0**	
3164	**97**	**178**	**14:17:05.466**	**C9NNRELOAD04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3165	97	178	14:18:01.466	165EG4A	7SCAN	NORM,335.378998,	Check S/P Position	2R3	4	0	4,017,897:90:0	
3166	**97**	**178**	**14:18:06.133**	**C9JNFEAFUL01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3167	97	178	14:19:58.800	127EG	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,017,899:84:0	
3168	**97**	**178**	**14:19:59.466**	**127EG4A**	**37ETB**	**0A,CA,1B,BD,87,1**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,017,899:85:0**	
3169	97	178	14:20:07.466	127EG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,017,900:06:0	
3170	97	178	14:20:52.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4635.53 +/- 4	2R3	4	0	4,017,900:74:0	
3171	97	178	14:20:52.800	175EG422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,017,900:74:0	
3172	97	178	14:20:54.133	118EG	**SMOS**	GS		2R3	4	0	4,017,900:76:0	
3173	97	178	14:20:59.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4635.53 +/- 4	2R3	4	0	4,017,900:84:0	
3174	97	178	14:21:00.800	175EG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,017,900:86:0	
3175	97	178	14:21:00.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4635.65 +/- 4	2R3	4	0	4,017,900:86:1	
3176	97	178	14:21:00.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4635.65 +/- 4	2R3	4	0	4,017,900:86:1	
3177	**97**	**178**	**14:21:04.133**	**C9JNFEAFUL01-**	**NIMPBK**	**301DV**	**JUPITER FTR TRK FULL SPECTRA**	**2R3**	**4**	**0**	**: :**	
3178	97	178	14:21:04.133	118EG110A111A4A	7STRP	0.002,0.0,104,0,	Slew =,3.01	2R3	4	0	4,017,901:00:0	
3179	**97**	**178**	**14:25:20.800**	**C9JNFEAFUL01-**	**DESELC**	**300DV**	**JUPITER FTR TRK FULL SPECTRA**	**2R3**	**4**	**0**	**: :**	
3180	97	178	14:25:24.133	175EG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,017,905:26:0	
3181	97	178	14:25:24.133	175EG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,017,905:26:0	
3182	97	178	14:25:24.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4697.35 +/- 4	2R3	4	0	4,017,905:26:0	
3183	97	178	14:25:25.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4697.41 +/- 4	2R3	4	0	4,017,905:27:8	
3184	97	178	14:28:00.133	118EG11A	**SMOS**	GE		2R3	4	0	4,017,907:78:0	
3185	**97**	**178**	**14:28:12.799**	**C9JNFEAFUL01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3186	**97**	**178**	**15:31:54.799**	**C9JNFEA01504-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3187	**97**	**178**	**15:32:46.800**	**127EK4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,017,971:84:0**	
3188	97	178	15:32:46.800	127EK	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,017,971:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3189	**97**	**178**	**15:32:47.466**	**127EK4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,017,971:85:0**	
3190	97	178	15:32:50.800	165EK4A	7SCAN	NORM,337.102997,	Check S/P Position	2R5	4	1	4,017,971:90:0	
3191	97	178	15:32:55.466	127EK11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,017,972:06:0	
3192	97	178	15:33:40.800	175EK422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,017,972:74:0	
3193	97	178	15:33:40.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4697.41 +/- 4	2R5	4	1	4,017,972:74:0	
3194	97	178	15:33:42.800	117EK	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,017,972:77:0	
3195	97	178	15:33:47.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4697.41 +/- 4	2R5	4	1	4,017,972:84:0	
3196	97	178	15:33:48.800	175EK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,017,972:86:0	
3197	97	178	15:33:48.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4697.53 +/- 4	2R5	4	1	4,017,972:86:1	
3198	97	178	15:33:48.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4697.53 +/- 4	2R5	4	1	4,017,972:86:1	
3199	97	178	15:33:52.133	117EK105A106A4A	7STRP	0.021904,0.0,0,0	Slew =,0.11	2R5	4	1	4,017,973:00:0	
3200	**97**	**178**	**15:33:52.133**	**C9JNFEA01504-**	**NIMPBK**	**301DX**	**JUPITER FTR TRK 25 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
3201	97	178	15:37:12.133	117EK105A106A4B	7STRP	-0.023504,0.0080	Slew =12.01	2R5	4	1	4,017,976:27:0	
3202	**97**	**178**	**15:37:12.133**	**C9JNFEA01504-**	**DESELC**	**300DX**	**JUPITER FTR TRK 25 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
3203	97	178	15:37:14.133	175EK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,017,976:30:0	
3204	97	178	15:37:14.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4745.64 +/- 4	2R5	4	1	4,017,976:30:0	
3205	97	178	15:37:14.133	175EK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,017,976:30:0	
3206	97	178	15:37:15.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4745.70 +/- 4	2R5	4	1	4,017,976:31:8	
3207	97	178	15:37:25.466	117EK105A106A4C	7STRP	0.021904,0.0,0,0	Slew =,0.11	2R5	4	1	4,017,976:47:0	
3208	97	178	15:40:45.466	117EK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,017,979:74:0	
3209	**97**	**178**	**15:41:00.799**	**C9JNFEA01504-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3210	97	178	15:48:43.466	488X6E	6TMSED	FILL,IL8	Sci, Eng, and D/L Chan	2R5	4	1	4,017,987:63:0	
3211	**97**	**178**	**15:56:10.799**	**C9JNSPOLEM04-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3212	97	178	15:59:58.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4745.70 +/- 4	2R5	4	1	4,017,998:74:0	
3213	97	178	15:59:58.133	175EL422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,017,998:74:0	
3214	97	178	16:00:00.133	117EL	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,017,998:77:0	
3215	97	178	16:00:04.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4745.70 +/- 4	2R5	4	1	4,017,998:84:0	
3216	97	178	16:00:06.133	175EL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,017,998:86:0	
3217	97	178	16:00:06.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4745.82 +/- 4	2R5	4	1	4,017,998:86:1	
3218	97	178	16:00:06.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4745.82 +/- 4	2R5	4	1	4,017,998:86:1	
3219	**97**	**178**	**16:00:09.466**	**C9JNSPOLEM04-**	**NIMPBK**	**301DY**	**JUPITER SOUTH POLE MAP PART 4**	**2R5**	**4**	**1**	**: :**	
3220	97	178	16:00:09.466	117EL105A106A4A	7STRP	0.040021,0.0,0,0	Slew =,0.11	2R5	4	1	4,017,999:00:0	
3221	97	178	16:06:17.466	117EL105A106A4B	7STRP	-0.044028,0.0060	Slew =12.01	2R5	4	1	4,018,005:06:0	
3222	97	178	16:06:26.800	117EL105A106A4C	7STRP	0.040021,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,005:20:0	
3223	**97**	**178**	**16:06:38.800**	**C9JNSPOLEM04-**	**DESELC**	**300DY**	**JUPITER SOUTH POLE MAP PART 4**	**2R5**	**4**	**1**	**: :**	
3224	97	178	16:06:40.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4838.30 +/- 4	2R5	4	1	4,018,005:41:0	
3225	97	178	16:06:40.800	175EL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,005:41:0	
3226	97	178	16:06:40.800	175EL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,005:41:0	
3227	97	178	16:06:42.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4838.36 +/- 4	2R5	4	1	4,018,005:42:8	
3228	97	178	16:12:08.133	488Y6A	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	2R5	4	1	4,018,010:77:0	
3229	97	178	16:12:34.800	117EL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,011:26:0	
3230	**97**	**178**	**16:13:16.133**	**C9JNSPOLEM04-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3231	**97**	**178**	**16:34:36.132**	**C9JNWINDOW01-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3232	**97**	**178**	**16:44:42.799**	**C9JNSPOLEM05-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3233	97	178	16:48:40.800	165EM4A	7SCAN	NORM,348.308998,	Check S/P Position	2R5	4	1	4,018,046:90:0	
3234	97	178	16:52:32.800	175EM422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,018,050:74:0	
3235	97	178	16:52:32.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4838.36 +/- 4	2R5	4	1	4,018,050:74:0	
3236	97	178	16:52:34.800	117EM	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,050:77:0	
3237	97	178	16:52:39.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4838.36 +/- 4	2R5	4	1	4,018,050:84:0	
3238	97	178	16:52:40.800	175EM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,018,050:86:0	
3239	97	178	16:52:40.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4838.48 +/- 4	2R5	4	1	4,018,050:86:1	
3240	97	178	16:52:40.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4838.48 +/- 4	2R5	4	1	4,018,050:86:1	
3241	**97**	**178**	**16:52:44.133**	**C9JNSPOLEM05-**	**NIMPBK**	**301DZ**	**JUPITER SOUTH POLE MAP PART 5**	**2R5**	**4**	**1**	**: :**	
3242	97	178	16:52:44.133	117EM105A106A4A	7STRP	0.035014,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,051:00:0	
3243	97	178	16:58:05.466	117EM105A106A4B	7STRP	-0.040021,0.006,	Slew =12.01	2R5	4	1	4,018,056:27:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3244	97	178	16:58:14.800	117EM105A106A4C	7STRP	0.035014,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,056:41:0	
3245	**97**	**178**	**16:59:13.466**	**C9JNSPOLEM05-**	**DESELC**	**300DZ**	**JUPITER SOUTH POLE MAP PART 5**	**2R5**	**4**	**1**	**: :**	
3246	97	178	16:59:15.466	175EM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,057:41:0	
3247	97	178	16:59:15.466	175EM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,057:41:0	
3248	97	178	16:59:15.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4930.97 +/- 4	2R5	4	1	4,018,057:41:0	
3249	97	178	16:59:16.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4931.03 +/- 4	2R5	4	1	4,018,057:42:8	
3250	97	178	17:03:36.133	117EM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,061:68:0	
3251	**97**	**178**	**17:03:55.466**	**C9JNGRS03901-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3252	**97**	**178**	**17:03:55.466**	**C9JNSPOLEM05-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3253	97	178	17:04:51.466	165EN4A	7SCAN	NORM,351.542,-5.	Check S/P Position	2R5	4	1	4,018,062:90:0	
3254	97	178	17:08:43.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4931.03 +/- 4	2R5	4	1	4,018,066:74:0	
3255	97	178	17:08:43.466	175EN422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,018,066:74:0	
3256	97	178	17:08:45.466	117EN	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,066:77:0	
3257	97	178	17:08:50.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4931.03 +/- 4	2R5	4	1	4,018,066:84:0	
3258	97	178	17:08:51.466	175EN176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,018,066:86:0	
3259	97	178	17:08:51.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4931.15 +/- 4	2R5	4	1	4,018,066:86:1	
3260	97	178	17:08:51.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4931.15 +/- 4	2R5	4	1	4,018,066:86:1	
3261	**97**	**178**	**17:08:54.800**	**C9JNGRS03901-**	**NIMPBK**	**301EA**	**JUPITER GREAT RED SPOT 39 DEGREE**	**2R5**	**4**	**1**	**: :**	
3262	97	178	17:08:54.800	117EN105A106A4A	7STRP	0.041023,0.0,0,0	Slew =,0.21	2R5	4	1	4,018,067:00:0	
3263	97	178	17:12:14.800	117EN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,070:27:0	
3264	**97**	**178**	**17:12:14.800**	**C9JNGRS03901-**	**DESELC**	**300EA**	**JUPITER GREAT RED SPOT 39 DEGREE**	**2R5**	**4**	**1**	**: :**	
3265	97	178	17:12:16.800	175EN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,070:30:0	
3266	97	178	17:12:16.800	175EN6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,070:30:0	
3267	97	178	17:12:16.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4979.26 +/- 4	2R5	4	1	4,018,070:30:0	
3268	97	178	17:12:18.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4979.32 +/- 4	2R5	4	1	4,018,070:31:8	
3269	**97**	**178**	**17:13:01.466**	**C9JNGRS03901-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3270	97	178	17:15:58.800	165HL4A	7SCAN	NORM,15.473,8.02	Check S/P Position	2R5	4	1	4,018,073:90:0	
3271	97	178	17:16:50.800	117HL	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,074:77:0	
3272	97	178	17:16:58.800	165HL4B	7VECT		Inert vect update UTC	2R5	4	1	4,018,074:89:0	
3273	97	178	17:17:00.133	176HL6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,018,075:00:0	
3274	97	178	17:17:00.133	117HL105A106A4A	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R5	4	1	4,018,075:00:0	
3275	97	178	17:19:06.800	117HL105A106A4B	7STRP	-0.005,0.0011,0,	Slew =,2.61	2R5	4	1	4,018,077:08:0	
3276	97	178	17:19:12.133	117HL105A106A4C	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R5	4	1	4,018,077:16:0	
3277	97	178	17:21:18.800	117HL105A106A4D	7STRP	-0.005,0.0011,0,	Slew =,2.61	2R5	4	1	4,018,079:24:0	
3278	97	178	17:21:24.133	117HL105A106A4E	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R5	4	1	4,018,079:32:0	
3279	97	178	17:23:30.800	117HL105A106A4F	7STRP	-0.005,0.0011,0,	Slew =,2.61	2R5	4	1	4,018,081:40:0	
3280	97	178	17:23:36.133	117HL105A106A4G	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R5	4	1	4,018,081:48:0	
3281	97	178	17:25:42.800	117HL105A106A4H	7STRP	-0.005,0.0011,0,	Slew =,2.61	2R5	4	1	4,018,083:56:0	
3282	97	178	17:25:48.133	117HL105A106A4I	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R5	4	1	4,018,083:64:0	
3283	97	178	17:27:54.800	117HL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,085:72:0	
3284	97	178	17:28:07.466	176HL6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,086:00:0	
3285	97	178	17:28:09.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,018,086:03:0	
3286	97	178	17:28:09.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4979.32 +/- 4	2R5	4	1	4,018,086:03:0	
3287	97	178	17:28:16.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4979.32 +/- 4	2R5	4	1	4,018,086:13:0	
3288	97	178	17:28:17.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4979.44 +/- 4	2R5	4	1	4,018,086:15:1	
3289	97	178	17:28:19.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4979.89 +/- 4	2R5	4	1	4,018,086:18:0	
3290	97	178	17:28:36.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,086:44:0	
3291	97	178	17:28:36.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4983.95 +/- 4	2R5	4	1	4,018,086:44:0	
3292	97	178	17:28:38.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4984.01 +/- 4	2R5	4	1	4,018,086:45:8	
3293	97	178	17:31:13.466	480MH6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	2R5	4	1	4,018,089:06:0	
3294	97	178	17:31:13.466	480MH6	6MROH	12	read from LLM1A12,2282,0,A2	2R5	4	1	4,018,089:06:0	
3295	97	178	17:46:27.466	20MH6A	6CKSUM	MAG,4040,46F0		2R5	4	1	4,018,104:12:0	
3296	97	178	17:47:24.133	480MI6	6MROH	12	read from LLM1A12,2282,0,A2	2R5	4	1	4,018,105:06:0	
3297	97	178	17:47:24.133	480MI6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	2R5	4	1	4,018,105:06:0	
3298	**97**	**178**	**17:55:29.466**	**C9NNRELOAD05-**		**-----START------**		**2R5**	**4**	**1**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3299	**97**	**178**	**17:56:30.133**	**20EF6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R5**	**4**	**1**	**4,018,114:06:0**	
3300	**97**	**178**	**17:57:30.800**	**20EF5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**4,018,115:06:0**	
3301	**97**	**178**	**17:58:31.466**	**20EF5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**4,018,116:06:0**	
3302	**97**	**178**	**17:59:32.133**	**20EF6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**4,018,117:06:0**	
3303	97	178	18:00:00.133	488Y6B	6TMSED	NORM,GL8	Sci, Eng, and D/L Chan	2R5	4	1	4,018,117:48:0	
3304	**97**	**178**	**18:00:32.800**	**20EF6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**4,018,118:06:0**	
3305	**97**	**178**	**18:01:33.466**	**20EF5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,018,119:06:0**	
3306	**97**	**178**	**18:02:34.133**	**20EF5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,018,120:06:0**	
3307	**97**	**178**	**18:03:34.800**	**20EF4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,018,121:06:0**	
3308	**97**	**178**	**18:04:35.466**	**20EF4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,018,122:06:0**	
3309	**97**	**178**	**18:05:36.132**	**C9NNRELOAD05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3310	**97**	**178**	**18:05:36.132**	**C9JNSPOLEM06-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3311	97	178	18:06:32.133	165EO4A	7SCAN	NORM,353.424,-7.	Check S/P Position	2R3	4	0	4,018,123:90:0	
3312	**97**	**178**	**18:09:30.133**	**127EO4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,018,126:84:0**	
3313	97	178	18:09:30.133	127EO	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,018,126:84:0	
3314	**97**	**178**	**18:09:30.800**	**127EO4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,018,126:85:0**	
3315	97	178	18:09:38.800	127EO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,018,127:06:0	
3316	97	178	18:10:24.133	175EO422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,018,127:74:0	
3317	97	178	18:10:24.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4984.01 +/- 4	2R5	4	1	4,018,127:74:0	
3318	97	178	18:10:26.133	117EO	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,127:77:0	
3319	97	178	18:10:30.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4984.01 +/- 4	2R5	4	1	4,018,127:84:0	
3320	97	178	18:10:32.133	175EO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,018,127:86:0	
3321	97	178	18:10:32.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4984.13 +/- 4	2R5	4	1	4,018,127:86:1	
3322	97	178	18:10:32.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4984.13 +/- 4	2R5	4	1	4,018,127:86:1	
3323	97	178	18:10:35.466	117EO105A106A4A	7STRP	0.040021,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,128:00:0	
3324	**97**	**178**	**18:10:35.466**	**C9JNSPOLEM06-**	**NIMPBK**	**301EB**	**JUPITER SOUTH POLE MAP PART 6**	**2R5**	**4**	**1**	**: :**	
3325	97	178	18:16:43.466	117EO105A106A4B	7STRP	-0.040021,0.006,	Slew =12.01	2R5	4	1	4,018,134:06:0	
3326	97	178	18:16:56.800	117EO105A106A4C	7STRP	0.040021,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,134:26:0	
3327	**97**	**178**	**18:17:04.800**	**C9JNSPOLEM06-**	**DESELC**	**300EB**	**JUPITER SOUTH POLE MAP PART 6**	**2R5**	**4**	**1**	**: :**	
3328	97	178	18:17:06.800	175EO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,134:41:0	
3329	97	178	18:17:06.800	175EO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,134:41:0	
3330	97	178	18:17:06.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5076.62 +/- 4	2R5	4	1	4,018,134:41:0	
3331	97	178	18:17:08.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5076.68 +/- 4	2R5	4	1	4,018,134:42:8	
3332	97	178	18:23:04.800	117EO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,140:32:0	
3333	**97**	**178**	**18:24:48.799**	**C9JNSPOLEM06-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3334	**97**	**178**	**19:27:30.132**	**C9JNGRSFUL01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3335	97	178	19:30:23.466	127ET	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,018,206:84:0	
3336	**97**	**178**	**19:30:23.466**	**127ET4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,018,206:84:0**	
3337	**97**	**178**	**19:30:24.133**	**127ET4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,018,206:85:0**	
3338	97	178	19:30:27.466	165ET4A	7SCAN	NORM,356.873997,	Check S/P Position	2R3	4	0	4,018,206:90:0	
3339	97	178	19:30:32.133	127ET11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,018,207:06:0	
3340	97	178	19:31:15.466	175ET422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	4,018,207:71:0	
3341	97	178	19:31:15.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5076.68 +/- 4	2R3	4	0	4,018,207:71:0	
3342	97	178	19:31:18.800	118ET	**SMOS**	GS		2R3	4	0	4,018,207:76:0	
3343	97	178	19:31:22.133		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 5076.68 +/- 4	2R3	4	0	4,018,207:81:0	
3344	97	178	19:31:25.466	175ET176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	4,018,207:86:0	
3345	97	178	19:31:26.133		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 5078.18 +/- 4	2R3	4	0	4,018,207:87:0	
3346	97	178	19:31:26.133		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *5078.18 +/- 4	2R3	4	0	4,018,207:87:0	
3347	97	178	19:31:28.800	118ET110A111A4A	7STRP	0.00355,0.0,104,	Slew =,3.01	2R3	4	0	4,018,208:00:0	
3348	**97**	**178**	**19:31:28.800**	**C9JNGRSFUL01-**	**NIMPBK**	**301EC**	**JUPITER GREAT RED SPOT FULL-SPEC**	**2R3**	**4**	**0**	**: :**	
3349	**97**	**178**	**19:35:45.466**	**C9JNGRSFUL01-**	**DESELC**	**300EC**	**JUPITER GREAT RED SPOT FULL-SPEC**	**2R3**	**4**	**0**	**: :**	
3350	97	178	19:35:47.466	175ET422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,018,212:24:0	
3351	97	178	19:35:47.466		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *5307.86 +/- 4	2R3	4	0	4,018,212:24:0	
3352	97	178	19:35:48.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5308.16 +/- 4	2R3	4	0	4,018,212:25:8	
3353	97	178	19:38:24.800	118ET11A	**SMOS**	GE		2R3	4	0	4,018,214:78:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3354	**97**	**178**	**19:38:37.466**	**C9JNGRSFUL01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3355	**97**	**178**	**20:07:56.799**	**C9JNGRS03902-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3356	97	178	20:08:48.800	127EU	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,018,244:84:0	
3357	**97**	**178**	**20:08:48.800**	**127EU4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,018,244:84:0**	
3358	**97**	**178**	**20:08:49.466**	**127EU4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,018,244:85:0**	
3359	97	178	20:08:52.800	165EU4A	7SCAN	NORM,357.428997,	Check S/P Position	2R5	4	1	4,018,244:90:0	
3360	97	178	20:08:57.466	127EU11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,018,245:06:0	
3361	97	178	20:09:42.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5308.16 +/- 4	2R5	4	1	4,018,245:74:0	
3362	97	178	20:09:42.800	175EU422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,018,245:74:0	
3363	97	178	20:09:44.800	117EU	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,245:77:0	
3364	97	178	20:09:49.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5308.16 +/- 4	2R5	4	1	4,018,245:84:0	
3365	97	178	20:09:50.800	175EU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,018,245:86:0	
3366	97	178	20:09:50.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5308.28 +/- 4	2R5	4	1	4,018,245:86:1	
3367	97	178	20:09:50.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5308.28 +/- 4	2R5	4	1	4,018,245:86:1	
3368	**97**	**178**	**20:09:54.133**	**C9JNGRS03902-**	**NIMPBK**	**301ED**	**JUPITER GREAT RED SPOT 39 DEGREE**	**2R5**	**4**	**1**	**: :**	
3369	97	178	20:09:54.133	117EU105A106A4A	7STRP	0.021803,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,246:00:0	
3370	**97**	**178**	**20:13:14.133**	**C9JNGRS03902-**	**DESELC**	**300ED**	**JUPITER GREAT RED SPOT 39 DEGREE**	**2R5**	**4**	**1**	**: :**	
3371	97	178	20:13:14.133	117EU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,249:27:0	
3372	97	178	20:13:16.133	175EU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,249:30:0	
3373	97	178	20:13:16.133	175EU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,249:30:0	
3374	97	178	20:13:16.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5356.39 +/- 4	2R5	4	1	4,018,249:30:0	
3375	97	178	20:13:17.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5356.45 +/- 4	2R5	4	1	4,018,249:31:8	
3376	**97**	**178**	**20:14:00.799**	**C9JNGRS03902-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3377	**97**	**178**	**20:19:04.132**	**C9JNGRS03903-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3378	97	178	20:20:00.133	165EV4A	7SCAN	NORM,357.675999,	Check S/P Position	2R5	4	1	4,018,255:90:0	
3379	97	178	20:23:52.133	175EV422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,018,259:74:0	
3380	97	178	20:23:52.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5356.45 +/- 4	2R5	4	1	4,018,259:74:0	
3381	97	178	20:23:54.133	117EV	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,259:77:0	
3382	97	178	20:23:58.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5356.45 +/- 4	2R5	4	1	4,018,259:84:0	
3383	97	178	20:24:00.133	175EV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,018,259:86:0	
3384	97	178	20:24:00.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5356.57 +/- 4	2R5	4	1	4,018,259:86:1	
3385	97	178	20:24:00.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5356.57 +/- 4	2R5	4	1	4,018,259:86:1	
3386	**97**	**178**	**20:24:03.466**	**C9JNGRS03903-**	**NIMPBK**	**301EE**	**JUPITER GREAT RED SPOT 39 DEGREE**	**2R5**	**4**	**1**	**: :**	
3387	97	178	20:24:03.466	117EV105A106A4A	7STRP	0.021803,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,260:00:0	
3388	97	178	20:27:23.466	117EV105A106A4B	7STRP	-0.023004,0.008,	Slew =12.01	2R5	4	1	4,018,263:27:0	
3389	**97**	**178**	**20:27:23.466**	**C9JNGRS03903-**	**DESELC**	**300EE**	**JUPITER GREAT RED SPOT 39 DEGREE**	**2R5**	**4**	**1**	**: :**	
3390	97	178	20:27:25.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5404.68 +/- 4	2R5	4	1	4,018,263:30:0	
3391	97	178	20:27:25.466	175EV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,263:30:0	
3392	97	178	20:27:25.466	175EV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,263:30:0	
3393	97	178	20:27:26.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5404.74 +/- 4	2R5	4	1	4,018,263:31:8	
3394	97	178	20:27:36.800	117EV105A106A4C	7STRP	0.021803,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,263:47:0	
3395	97	178	20:30:56.800	117EV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,266:74:0	
3396	**97**	**178**	**20:31:12.132**	**C9JNGRS03903-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3397	**97**	**178**	**20:41:18.799**	**C9JNSPOLEM08-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3398	97	178	20:43:15.466	165EX4A	7SCAN	NORM,3.152,-2.56	Check S/P Position	2R5	4	1	4,018,278:90:0	
3399	97	178	20:44:05.466	175EX422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,018,279:74:0	
3400	97	178	20:44:05.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5404.74 +/- 4	2R5	4	1	4,018,279:74:0	
3401	97	178	20:44:07.466	117EX	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,279:77:0	
3402	97	178	20:44:12.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5404.74 +/- 4	2R5	4	1	4,018,279:84:0	
3403	97	178	20:44:13.466	175EX176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,018,279:86:0	
3404	97	178	20:44:13.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5404.86 +/- 4	2R5	4	1	4,018,279:86:1	
3405	97	178	20:44:13.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5404.86 +/- 4	2R5	4	1	4,018,279:86:1	
3406	97	178	20:44:16.800	117EX105A106A4A	7STRP	0.061076,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,280:00:0	
3407	**97**	**178**	**20:44:16.800**	**C9JNSPOLEM08-**	**NIMPBK**	**301EF**	**JUPITER SOUTH POLE MAP PART 8**	**2R5**	**4**	**1**	**: :**	
3408	97	178	20:47:35.466	488Y6C	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	2R5	4	1	4,018,283:25:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3409	**97**	**178**	**20:50:46.133**	**C9JNSPOLEM08-**	**DESELC**	**300EF**	**JUPITER SOUTH POLE MAP PART 8**	**2R5**	**4**	**1**	**: :**	
3410	97	178	20:50:48.133	175EX6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,286:41:0	
3411	97	178	20:50:48.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5497.35 +/- 4	2R5	4	1	4,018,286:41:0	
3412	97	178	20:50:48.133	175EX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,286:41:0	
3413	97	178	20:50:49.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5497.41 +/- 4	2R5	4	1	4,018,286:42:8	
3414	97	178	20:53:36.133	117EX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,289:20:0	
3415	**97**	**178**	**20:54:27.466**	**C9JNSPOLEM08-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3416	97	178	20:55:23.466	165HH4A	7SCAN	NORM,2.964,-2.83	Check S/P Position	2R5	4	1	4,018,290:90:0	
3417	97	178	20:59:17.466	117HH	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,294:77:0	
3418	97	178	20:59:26.800	176HH6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,018,295:00:0	
3419	97	178	20:59:26.800	117HH105A106A4A	7STRP	-0.015001,-0.158	Slew =,0.12	2R5	4	1	4,018,295:00:0	
3420	97	178	21:16:39.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,018,312:02:0	
3421	97	178	21:16:39.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5497.41 +/- 4	2R5	4	1	4,018,312:02:0	
3422	**97**	**178**	**21:16:42.133**	**C9NNRELOAD06-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3423	97	178	21:16:46.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5497.41 +/- 4	2R5	4	1	4,018,312:12:0	
3424	97	178	21:16:47.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5497.53 +/- 4	2R5	4	1	4,018,312:14:1	
3425	97	178	21:17:14.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5503.92 +/- 4	2R5	4	1	4,018,312:55:0	
3426	97	178	21:17:37.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5509.23 +/- 4	2R5	4	1	4,018,312:89:0	
3427	97	178	21:17:37.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,312:89:0	
3428	97	178	21:17:38.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5509.29 +/- 4	2R5	4	1	4,018,312:90:8	
3429	**97**	**178**	**21:17:42.800**	**20EG6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R5**	**4**	**1**	**4,018,313:06:0**	
3430	**97**	**178**	**21:18:43.466**	**20EG5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**4,018,314:06:0**	
3431	**97**	**178**	**21:19:44.133**	**20EG5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**4,018,315:06:0**	
3432	**97**	**178**	**21:20:44.800**	**20EG6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**4,018,316:06:0**	
3433	**97**	**178**	**21:21:45.466**	**20EG6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**4,018,317:06:0**	
3434	**97**	**178**	**21:22:46.133**	**20EG5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,018,318:06:0**	
3435	**97**	**178**	**21:23:46.800**	**20EG5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,018,319:06:0**	
3436	**97**	**178**	**21:24:47.466**	**20EG4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,018,320:06:0**	
3437	**97**	**178**	**21:25:48.133**	**20EG4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,018,321:06:0**	
3438	**97**	**178**	**21:26:48.800**	**C9NNRELOAD06-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3439	**97**	**178**	**21:31:52.133**	**C9INVOLCAN01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3440	97	178	21:32:48.133	117HH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,018,327:90:0	
3441	97	178	21:32:48.800	176HH6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,018,328:00:0	
3442	97	178	21:32:50.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5509.29 +/- 4	2R3	4	0	4,018,328:03:0	
3443	97	178	21:32:50.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,018,328:03:0	
3444	97	178	21:32:54.800	165EZ4A	7SCAN	NORM,28.16,13.16	Check S/P Position	2R3	4	0	4,018,328:09:0	
3445	97	178	21:32:57.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5509.29 +/- 4	2R3	4	0	4,018,328:13:0	
3446	97	178	21:32:58.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5509.41 +/- 4	2R3	4	0	4,018,328:15:1	
3447	97	178	21:33:00.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5509.86 +/- 4	2R3	4	0	4,018,328:18:0	
3448	97	178	21:33:21.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5514.71 +/- 4	2R3	4	0	4,018,328:49:0	
3449	97	178	21:33:21.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,018,328:49:0	
3450	97	178	21:33:22.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5514.77 +/- 4	2R3	4	0	4,018,328:50:8	
3451	97	178	21:34:45.466	125EY11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,018,329:84:0	
3452	**97**	**178**	**21:34:45.466**	**125EY4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**4,018,329:84:0**	
3453	97	178	21:34:45.466	125EY	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,018,329:84:0	
3454	97	178	21:35:46.133	127EY	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,018,330:84:0	
3455	**97**	**178**	**21:35:46.800**	**127EY4A**	**37ETB**	**07,C7,03,A1,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,018,330:85:0**	
3456	97	178	21:35:54.800	127EY11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,018,331:06:0	
3457	97	178	21:36:40.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5514.77 +/- 4	4R3	4	0	4,018,331:74:0	
3458	97	178	21:36:40.133	175EY422A6A	6DMSC	R7,3	DMS Control	4R3	4	0	4,018,331:74:0	
3459	97	178	21:36:42.133	117EZ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,018,331:77:0	
3460	97	178	21:36:46.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5514.77 +/- 4	4R3	4	0	4,018,331:84:0	
3461	97	178	21:36:48.133	175EY176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,018,331:86:0	
3462	97	178	21:36:48.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5514.89 +/- 4	4R3	4	0	4,018,331:86:1	
3463	97	178	21:36:48.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5514.89 +/- 4	4R3	4	0	4,018,331:86:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3464	97	178	21:36:51.466	117EZ105A106A4A	7STRP	0.0018,0.0,0,0,0	Slew =,0.02	4R3	4	0	4,018,332:00:0	
3465	**97**	**178**	**21:36:51.466**	**C9INVOLCAN01-**	**NIMPBK**	**301EG**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**	
3466	**97**	**178**	**21:38:24.800**	**C9INVOLCAN01-**	**DESELC**	**300EG**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**	
3467	97	178	21:38:24.800	117EZ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,018,333:49:0	
3468	97	178	21:38:26.800	175EY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,018,333:52:0	
3469	97	178	21:38:26.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5538.00 +/- 4	4R3	4	0	4,018,333:52:0	
3470	97	178	21:38:26.800	175EY422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,018,333:52:0	
3471	97	178	21:38:28.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5538.06 +/- 4	4R3	4	0	4,018,333:53:8	
3472	**97**	**178**	**21:38:56.800**	**C9INVOLCAN01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3473	97	178	22:00:00.133	488Y6D	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	4R3	4	0	4,018,354:81:0	
3474	97	178	22:00:00.800	282ND432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	4,018,354:82:0	
3475	97	178	22:00:01.466	282ND432A6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,018,354:83:0	
3476	97	178	22:21:27.466	488Z6A	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	4R3	4	0	4,018,376:10:0	
3477	**97**	**178**	**22:26:28.133**	**C9INCHEMIS03-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3478	97	178	22:27:24.133	165FB4A	7SCAN	NORM,29.891,13.8	Check S/P Position	4R3	4	0	4,018,381:90:0	
3479	97	178	22:27:51.466	488Z6B	6TMSED	NORM,FL4	Sci, Eng, and D/L Chan	4R3	4	0	4,018,382:40:0	
3480	**97**	**178**	**22:29:21.466**	**125FB4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**4,018,383:84:0**	
3481	97	178	22:29:21.466	125FB11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,018,383:84:0	
3482	97	178	22:29:21.466	125FB	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,018,383:84:0	
3483	97	178	22:30:22.133	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,018,384:84:0	
3484	**97**	**178**	**22:30:22.800**	**127FB4A**	**37ETB**	**07,C7,02,25,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,018,384:85:0**	
3485	97	178	22:30:30.800	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,018,385:06:0	
3486	97	178	22:31:16.133	175FB422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,018,385:74:0	
3487	97	178	22:31:16.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5538.06 +/- 4	2R3	4	0	4,018,385:74:0	
3488	97	178	22:31:18.133	117FB	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,018,385:77:0	
3489	97	178	22:31:22.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5538.06 +/- 4	2R3	4	0	4,018,385:84:0	
3490	97	178	22:31:24.133	175FB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,018,385:86:0	
3491	97	178	22:31:24.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5538.18 +/- 4	2R3	4	0	4,018,385:86:1	
3492	97	178	22:31:24.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5538.18 +/- 4	2R3	4	0	4,018,385:86:1	
3493	97	178	22:31:26.133	165FB4B	7VECT		Inert vect update UTC	2R3	4	0	4,018,385:89:0	
3494	**97**	**178**	**22:31:27.466**	**C9INCHEMIS03-**	**NIMPBK**	**301EH**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
3495	97	178	22:31:27.466	117FB105A106A4A	7STRP	0.0036,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,018,386:00:0	
3496	97	178	22:33:28.800	117FB105A106A4B	7STRP	-0.0005,0.0,0,0,	Slew =12.01	2R3	4	0	4,018,388:00:0	
3497	97	178	22:33:38.133	117FB105A106A4C	7STRP	0.0036,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,018,388:14:0	
3498	**97**	**178**	**22:34:47.466**	**C9INCHEMIS03-**	**DESELC**	**300EH**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
3499	97	178	22:34:49.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5586.29 +/- 4	2R3	4	0	4,018,389:30:0	
3500	97	178	22:34:49.466	175FB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,018,389:30:0	
3501	97	178	22:34:49.466	175FB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,018,389:30:0	
3502	97	178	22:34:50.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5586.35 +/- 4	2R3	4	0	4,018,389:31:8	
3503	97	178	22:35:39.466	117FB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,018,390:14:0	
3504	**97**	**178**	**22:36:34.800**	**C9INCHEMIS03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3505	**97**	**178**	**22:41:38.132**	**C9JNFEA05701-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3506	97	178	22:42:34.133	165FC4A	7SCAN	NORM,10.201,6.01	Check S/P Position	2R3	4	0	4,018,396:90:0	
3507	97	178	22:45:32.133	127FC	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,018,399:84:0	
3508	**97**	**178**	**22:45:32.133**	**127FC4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,018,399:84:0**	
3509	**97**	**178**	**22:45:32.800**	**127FC4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,018,399:85:0**	
3510	97	178	22:45:40.800	127FC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,018,400:06:0	
3511	97	178	22:46:26.133	175FC422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,018,400:74:0	
3512	97	178	22:46:26.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5586.35 +/- 4	2R5	4	1	4,018,400:74:0	
3513	97	178	22:46:28.133	117FC	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,400:77:0	
3514	97	178	22:46:32.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5586.35 +/- 4	2R5	4	1	4,018,400:84:0	
3515	97	178	22:46:34.133	175FC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,018,400:86:0	
3516	97	178	22:46:34.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5586.47 +/- 4	2R5	4	1	4,018,400:86:1	
3517	97	178	22:46:34.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5586.47 +/- 4	2R5	4	1	4,018,400:86:1	
3518	97	178	22:46:37.466	117FC105A106A4A	7STRP	0.055056,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,401:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3519	**97**	**178**	**22:46:37.466**	**C9JNFEA05701-**	**NIMPBK**	**301EI**	**JUPITER FTR TRK 57 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
3520	97	178	22:55:00.800	117FC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,409:27:0	
3521	**97**	**178**	**22:58:02.800**	**C9JNFEA05701-**	**DESELC**	**300EI**	**JUPITER FTR TRK 57 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
3522	97	178	22:58:04.800	175FC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,412:30:0	
3523	97	178	22:58:04.800	175FC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,412:30:0	
3524	97	178	22:58:04.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5748.33 +/- 4	2R5	4	1	4,018,412:30:0	
3525	97	178	22:58:06.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5748.39 +/- 4	2R5	4	1	4,018,412:31:8	
3526	**97**	**178**	**22:58:49.466**	**C9JNFEA05701-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3527	97	178	23:29:43.466	488Z6C	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	2R5	4	1	4,018,443:57:0	
3528	**97**	**178**	**23:56:27.466**	**C9JNWINDOW02-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3529	**97**	**179**	**00:17:41.466**	**C9NNRELOAD07-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3530	**97**	**179**	**00:18:42.133**	**20EH6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R5**	**4**	**1**	**4,018,492:06:0**	
3531	**97**	**179**	**00:19:42.800**	**20EH5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**4,018,493:06:0**	
3532	**97**	**179**	**00:20:43.466**	**20EH5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**4,018,494:06:0**	
3533	**97**	**179**	**00:21:44.133**	**20EH6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**4,018,495:06:0**	
3534	**97**	**179**	**00:22:44.800**	**20EH6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**4,018,496:06:0**	
3535	**97**	**179**	**00:23:45.466**	**20EH5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,018,497:06:0**	
3536	**97**	**179**	**00:24:46.133**	**20EH5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,018,498:06:0**	
3537	**97**	**179**	**00:25:46.800**	**20EH4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,018,499:06:0**	
3538	**97**	**179**	**00:26:47.466**	**20EH4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,018,500:06:0**	
3539	**97**	**179**	**00:27:48.133**	**C9NNRELOAD07-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3540	97	179	00:28:44.133	165FF4A	7SCAN	NORM,14.089,7.77	Check S/P Position	2R3	4	0	4,018,501:90:0	
3541	**97**	**179**	**00:28:48.799**	**C9JNFEA05702-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3542	**97**	**179**	**00:31:42.133**	**127FX4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,018,504:84:0**	
3543	97	179	00:31:42.133	127FX	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,018,504:84:0	
3544	**97**	**179**	**00:31:42.800**	**127FX4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,018,504:85:0**	
3545	97	179	00:31:50.800	127FX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,018,505:06:0	
3546	97	179	00:32:36.133	175FF422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,018,505:74:0	
3547	97	179	00:32:36.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5748.39 +/- 4	2R5	4	1	4,018,505:74:0	
3548	97	179	00:32:38.133	117FF	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,505:77:0	
3549	97	179	00:32:42.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5748.39 +/- 4	2R5	4	1	4,018,505:84:0	
3550	97	179	00:32:44.133	175FF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,018,505:86:0	
3551	97	179	00:32:44.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5748.51 +/- 4	2R5	4	1	4,018,505:86:1	
3552	97	179	00:32:44.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5748.51 +/- 4	2R5	4	1	4,018,505:86:1	
3553	97	179	00:32:47.466	117FF105A106A4A	7STRP	0.021904,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,506:00:0	
3554	**97**	**179**	**00:32:47.466**	**C9JNFEA05702-**	**NIMPBK**	**301EJ**	**JUPITER FTR TRK 57 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
3555	97	179	00:36:07.466	117FF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,509:27:0	
3556	**97**	**179**	**00:36:07.466**	**C9JNFEA05702-**	**DESELC**	**300EJ**	**JUPITER FTR TRK 57 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
3557	97	179	00:36:09.466	175FF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,509:30:0	
3558	97	179	00:36:09.466	175FF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,509:30:0	
3559	97	179	00:36:09.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5796.62 +/- 4	2R5	4	1	4,018,509:30:0	
3560	97	179	00:36:10.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5796.68 +/- 4	2R5	4	1	4,018,509:31:8	
3561	**97**	**179**	**00:36:54.133**	**C9JNFEA05702-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3562	97	179	00:39:51.466	165HI4A	7SCAN	NORM,13.121,7.58	Check S/P Position	2R5	4	1	4,018,512:90:0	
3563	97	179	00:40:43.466	117HI	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,513:77:0	
3564	97	179	00:40:52.800	176HI6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,018,514:00:0	
3565	97	179	00:40:52.800	117HI105A106A4A	7STRP	-0.050042,0.0,0,	Slew =,0.31	2R5	4	1	4,018,514:00:0	
3566	97	179	00:43:37.466	117HI105A106A4B	7STRP	0.04954,0.0013,0	Slew =12.01	2R5	4	1	4,018,516:65:0	
3567	97	179	00:43:57.466	117HI105A106A4C	7STRP	-0.050042,0.0,0,	Slew =,0.31	2R5	4	1	4,018,517:04:0	
3568	97	179	00:46:42.133	117HI105A106A4D	7STRP	0.04954,0.0013,0	Slew =12.01	2R5	4	1	4,018,519:69:0	
3569	97	179	00:47:02.133	117HI105A106A4E	7STRP	-0.050042,0.0,0,	Slew =,0.31	2R5	4	1	4,018,520:08:0	
3570	97	179	00:49:46.800	117HI105A106A4F	7STRP	0.04954,0.0013,0	Slew =12.01	2R5	4	1	4,018,522:73:0	
3571	97	179	00:50:06.800	117HI105A106A4G	7STRP	-0.050042,0.0,0,	Slew =,0.31	2R5	4	1	4,018,523:12:0	
3572	97	179	00:52:51.466	117HI105A106A4H	7STRP	0.04954,0.0013,0	Slew =12.01	2R5	4	1	4,018,525:77:0	
3573	97	179	00:53:11.466	117HI105A106A4I	7STRP	-0.050042,0.0,0,	Slew =,0.31	2R5	4	1	4,018,526:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3574	97	179	00:55:56.133	117HI105A106A4J	7STRP	0.04954,0.0013,0	Slew =12.01	2R5	4	1	4,018,528:81:0	
3575	97	179	00:56:16.133	117HI105A106A4K	7STRP	-0.050042,0.0,0,	Slew =,0.31	2R5	4	1	4,018,529:20:0	
3576	97	179	00:58:05.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5796.68 +/- 4	2R5	4	1	4,018,531:02:0	
3577	97	179	00:58:05.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,018,531:02:0	
3578	97	179	00:58:12.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5796.68 +/- 4	2R5	4	1	4,018,531:12:0	
3579	97	179	00:58:13.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5796.80 +/- 4	2R5	4	1	4,018,531:14:1	
3580	97	179	00:58:40.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5803.19 +/- 4	2R5	4	1	4,018,531:55:0	
3581	97	179	00:59:00.800	117HI105A106A4L	7STRP	0.04954,0.0013,0	Slew =12.01	2R5	4	1	4,018,531:85:0	
3582	97	179	00:59:03.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5808.50 +/- 4	2R5	4	1	4,018,531:89:0	
3583	97	179	00:59:03.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,531:89:0	
3584	97	179	00:59:04.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5808.56 +/- 4	2R5	4	1	4,018,531:90:8	
3585	97	179	00:59:20.800	117HI105A106A4M	7STRP	-0.050042,0.0,0,	Slew =,0.31	2R5	4	1	4,018,532:24:0	
3586	97	179	01:02:05.466	117HI105A106A4N	7STRP	0.04954,0.0013,0	Slew =12.01	2R5	4	1	4,018,534:89:0	
3587	97	179	01:02:25.466	117HI105A106A4O	7STRP	-0.050042,0.0,0,	Slew =,0.31	2R5	4	1	4,018,535:28:0	
3588	97	179	01:05:10.133	117HI105A106A4P	7STRP	0.04954,0.0013,0	Slew =12.01	2R5	4	1	4,018,538:02:0	
3589	97	179	01:05:30.133	117HI105A106A4Q	7STRP	-0.050042,0.0,0,	Slew =,0.31	2R5	4	1	4,018,538:32:0	
3590	**97**	**179**	**01:08:14.799**	**C9JNFEA05703-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3591	97	179	01:08:14.800	117HI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,541:06:0	
3592	97	179	01:08:14.800	176HI6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,541:06:0	
3593	97	179	01:08:16.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,018,541:09:0	
3594	97	179	01:08:16.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5808.56 +/- 4	2R5	4	1	4,018,541:09:0	
3595	97	179	01:08:23.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5808.56 +/- 4	2R5	4	1	4,018,541:19:0	
3596	97	179	01:08:24.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5808.68 +/- 4	2R5	4	1	4,018,541:21:1	
3597	97	179	01:08:26.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5809.13 +/- 4	2R5	4	1	4,018,541:24:0	
3598	97	179	01:08:42.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,541:48:0	
3599	97	179	01:08:42.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5812.88 +/- 4	2R5	4	1	4,018,541:48:0	
3600	97	179	01:08:44.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5812.94 +/- 4	2R5	4	1	4,018,541:49:8	
3601	97	179	01:09:10.800	165FG4A	7SCAN	NORM,14.449,7.93	Check S/P Position	2R5	4	1	4,018,541:90:0	
3602	97	179	01:13:02.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5812.94 +/- 4	2R5	4	1	4,018,545:74:0	
3603	97	179	01:13:02.800	175FG422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,018,545:74:0	
3604	97	179	01:13:04.800	117FG	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,545:77:0	
3605	97	179	01:13:09.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5812.94 +/- 4	2R5	4	1	4,018,545:84:0	
3606	97	179	01:13:10.800	175FG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,018,545:86:0	
3607	97	179	01:13:10.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5813.06 +/- 4	2R5	4	1	4,018,545:86:1	
3608	97	179	01:13:10.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5813.06 +/- 4	2R5	4	1	4,018,545:86:1	
3609	97	179	01:13:14.133	117FG105A106A4A	7STRP	0.021904,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,546:00:0	
3610	**97**	**179**	**01:13:14.133**	**C9JNFEA05703-**	**NIMPBK**	**301EK**	**JUPITER FTR TRK 57 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
3611	97	179	01:16:34.133	117FG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,549:27:0	
3612	**97**	**179**	**01:16:34.133**	**C9JNFEA05703-**	**DESELC**	**300EK**	**JUPITER FTR TRK 57 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
3613	97	179	01:16:36.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5861.17 +/- 4	2R5	4	1	4,018,549:30:0	
3614	97	179	01:16:36.133	175FG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,549:30:0	
3615	97	179	01:16:36.133	175FG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,549:30:0	
3616	97	179	01:16:37.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5861.23 +/- 4	2R5	4	1	4,018,549:31:8	
3617	**97**	**179**	**01:17:20.799**	**C9JNFEA05703-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3618	97	179	01:21:12.800	465KG6A	6DTRN	CMD,6DTRN,465KG6	DMS TRACK TURNAROUND	2R5	4	1	4,018,553:81:0	
3619	97	179	01:21:12.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5861.23 +/- 4	2R5	4	1	4,018,553:81:0	
3620	97	179	01:21:12.800		DMS:	: *DMS-TURN	P7, TRACK 3, FWD, TIC 5861.23 +/- 4	2R5	4	1	4,018,553:81:0	
3621	97	179	01:21:19.466		DMS:	: *RUNUP	P7, TRACK *3, FWD, TIC 5861.23 +/- 4	2R5	4	1	4,018,554:00:0	
3622	97	179	01:21:20.866		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC *5861.35 +/- 4	2R5	4	1	4,018,554:02:1	
3623	97	179	01:33:10.266		DMS:	: *REVERSE	P7, TRACK 3, FWD, TIC *6027.63 +/- 4	2R5	4	1	4,018,565:65:2	
3624	97	179	01:33:11.466		DMS:	: *RUNUP	P7, TRACK 4, REV, TIC 6027.69 +/- 4	2R5	4	1	4,018,565:67:0	
3625	97	179	01:33:11.466		DMS:	: *TURNARND	P7, TRACK *4, *REV, TIC *6027.69 +/- 4	2R5	4	1	4,018,565:67:0	
3626	97	179	01:33:12.866		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC *6027.57 +/-	2R5	4	1	4,018,565:69:1	
3627	97	179	01:33:24.866		DMS:	: *AUTOSTOP	P7, TRACK 4, REV, TIC *6025.44 +/-	2R5	4	1	4,018,565:87:1	
3628	97	179	01:33:26.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *6025.38 +/-	2R5	4	1	4,018,565:88:9	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3629	**97**	**179**	**01:57:47.466**	**C9JNFEA05704-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3630	97	179	02:00:44.800	165FH4A	7SCAN	NORM,14.954,8.24	Check S/P Position	2R5	4	1	4,018,592:90:0	
3631	97	179	02:01:34.133	175FH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,018,593:73:0	
3632	97	179	02:01:34.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 6025.38 +/-	2R5	4	1	4,018,593:73:0	
3633	97	179	02:01:35.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6025.50 +/-	2R5	4	1	4,018,593:75:1	
3634	97	179	02:01:36.800	117FH	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,593:77:0	
3635	97	179	02:01:40.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6026.73 +/-	2R5	4	1	4,018,593:83:0	
3636	97	179	02:01:42.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *6026.79 +/-	2R5	4	1	4,018,593:84:8	
3637	97	179	02:01:42.800	175FH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,018,593:86:0	
3638	97	179	02:01:43.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *6026.67 +/-	2R5	4	1	4,018,593:86:9	
3639	97	179	02:01:43.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 6026.67 +/-	2R5	4	1	4,018,593:86:9	
3640	97	179	02:01:46.133	117FH105A106A4A	7STRP	0.021904,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,594:00:0	
3641	**97**	**179**	**02:02:42.800**	**C9JNFEA05704-**	**NIMPBK**	**301EL**	**JUPITER FTR TRK 57 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
3642	**97**	**179**	**02:05:06.133**	**C9JNFEA05704-**	**DESELC**	**300EL**	**JUPITER FTR TRK 57 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
3643	97	179	02:05:06.133	117FH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,597:27:0	
3644	97	179	02:05:18.133	175FH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,597:45:0	
3645	97	179	02:05:18.133	175FH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,597:45:0	
3646	97	179	02:05:18.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5976.34 +/-	2R5	4	1	4,018,597:45:0	
3647	97	179	02:05:19.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5976.28 +/-	2R5	4	1	4,018,597:46:8	
3648	**97**	**179**	**02:06:15.466**	**C9JNFEA05704-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3649	97	179	02:06:48.800	165HJ4A	7SCAN	NORM,31.18,14.43	Check S/P Position	2R5	4	1	4,018,598:90:0	
3650	97	179	02:10:42.800	117HJ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,602:77:0	
3651	97	179	02:10:52.133	117HJ105A106A4A	7STRP	0.0075,0.0,0,0,0	Slew =,0.04	2R5	4	1	4,018,603:00:0	
3652	97	179	02:10:52.133	176HJ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,018,603:00:0	
3653	97	179	02:14:00.800	117HJ105A106A4B	7STRP	-0.0067,0.0013,0	Slew =,3.41	2R5	4	1	4,018,606:10:0	
3654	97	179	02:14:06.133	117HJ105A106A4C	7STRP	0.0075,0.0,0,0,0	Slew =,0.04	2R5	4	1	4,018,606:18:0	
3655	97	179	02:17:14.800	117HJ105A106A4D	7STRP	-0.0067,0.0013,0	Slew =,3.41	2R5	4	1	4,018,609:28:0	
3656	97	179	02:17:20.133	117HJ105A106A4E	7STRP	0.0075,0.0,0,0,0	Slew =,0.04	2R5	4	1	4,018,609:36:0	
3657	97	179	02:20:28.800	117HJ105A106A4F	7STRP	-0.0067,0.0013,0	Slew =,3.41	2R5	4	1	4,018,612:46:0	
3658	97	179	02:20:34.133	117HJ105A106A4G	7STRP	0.0075,0.0,0,0,0	Slew =,0.04	2R5	4	1	4,018,612:54:0	
3659	97	179	02:23:42.800	117HJ105A106A4H	7STRP	-0.0067,0.0013,0	Slew =,3.41	2R5	4	1	4,018,615:64:0	
3660	97	179	02:23:48.133	117HJ105A106A4I	7STRP	0.0075,0.0,0,0,0	Slew =,0.04	2R5	4	1	4,018,615:72:0	
3661	97	179	02:26:56.800	117HJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,618:82:0	
3662	97	179	02:27:02.800	176HJ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,619:00:0	
3663	97	179	02:27:04.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,018,619:03:0	
3664	97	179	02:27:04.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5976.28 +/-	2R5	4	1	4,018,619:03:0	
3665	97	179	02:27:06.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5976.40 +/-	2R5	4	1	4,018,619:05:1	
3666	97	179	02:27:11.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5977.64 +/-	2R5	4	1	4,018,619:13:0	
3667	97	179	02:27:12.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5977.70 +/-	2R5	4	1	4,018,619:14:8	
3668	97	179	02:27:14.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5977.58 +/-	2R5	4	1	4,018,619:16:9	
3669	97	179	02:27:14.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5977.41 +/-	2R5	4	1	4,018,619:18:0	
3670	97	179	02:27:35.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,619:49:0	
3671	97	179	02:27:35.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5972.56 +/-	2R5	4	1	4,018,619:49:0	
3672	97	179	02:27:36.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5972.50 +/-	2R5	4	1	4,018,619:50:8	
3673	**97**	**179**	**02:28:07.466**	**C9INHRSPEC01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3674	97	179	02:29:03.466	165FI4A	7SCAN	NORM,30.948,14.1	Check S/P Position	2R5	4	1	4,018,620:90:0	
3675	**97**	**179**	**02:31:00.800**	**127FI4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,018,622:84:0**	
3676	97	179	02:31:00.800	127FI	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,018,622:84:0	
3677	**97**	**179**	**02:31:01.466**	**127FI4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,018,622:85:0**	
3678	97	179	02:31:09.466	127FI11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,018,623:06:0	
3679	97	179	02:31:51.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5972.50 +/-	2R3	4	0	4,018,623:69:0	
3680	97	179	02:31:51.466	175FI422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	4,018,623:69:0	
3681	97	179	02:31:52.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5972.62 +/-	2R3	4	0	4,018,623:71:1	
3682	97	179	02:31:56.800	117FI	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,018,623:77:0	
3683	97	179	02:31:58.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5973.86 +/-	2R3	4	0	4,018,623:79:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3684	97	179	02:31:59.333		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *5973.92 +/-	2R3	4	0	4,018,623:80:8
3685	97	179	02:32:02.800	175FI176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	4,018,623:86:0
3686	97	179	02:32:03.333		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 5972.42 +/-	2R3	4	0	4,018,623:86:8
3687	97	179	02:32:03.333		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *5972.42 +/-	2R3	4	0	4,018,623:86:8
3688	97	179	02:32:06.133	117FI105A106A4A	7STRP	0.0045,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,018,624:00:0
3689	**97**	**179**	**02:32:06.133**	**C9INHRSPEC01-**	**NIMPBK**	**301EM**	**HIGH SPATIAL AND SPECTRAL OBS. O**	**2R3**	**4**	**0**	**: :**
3690	**97**	**179**	**02:34:37.466**	**C9INHRSPEC01-**	**DESELC**	**300EM**	**HIGH SPATIAL AND SPECTRAL OBS. O**	**2R3**	**4**	**0**	**: :**
3691	97	179	02:34:37.466	117FI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,018,626:45:0
3692	97	179	02:34:38.133	175FI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,018,626:46:0
3693	97	179	02:34:38.133		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *5836.36 +/-	2R3	4	0	4,018,626:46:0
3694	97	179	02:34:39.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5836.06 +/-	2R3	4	0	4,018,626:47:8
3695	97	179	02:35:07.466	165JL4A	7SCAN	NORM,30.717,14.1	Check S/P Position	2R3	4	0	4,018,626:90:0
3696	**97**	**179**	**02:35:12.132**	**C9INHRSPEC01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
3697	97	179	02:39:51.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5836.06 +/-	2R3	4	0	4,018,631:61:0
3698	97	179	02:39:51.466	175JK422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	4,018,631:61:0
3699	97	179	02:39:52.800	165JL4B	7VECT		Inert vect update UTC	2R3	4	0	4,018,631:63:0
3700	97	179	02:39:52.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5836.18 +/-	2R3	4	0	4,018,631:63:1
3701	97	179	02:39:58.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5837.42 +/-	2R3	4	0	4,018,631:71:0
3702	97	179	02:39:59.333		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *5837.48 +/-	2R3	4	0	4,018,631:72:8
3703	97	179	02:40:04.133	175JK176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	4,018,631:80:0
3704	97	179	02:40:04.600		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *5771.48 +/-	2R3	4	0	4,018,631:80:7
3705	97	179	02:40:04.600		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 5771.48 +/-	2R3	4	0	4,018,631:80:7
3706	97	179	02:40:11.466	176IC6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	4,018,632:00:0
3707	97	179	02:40:18.800	175JK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,018,632:11:0
3708	97	179	02:40:18.800		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *5422.02 +/-	2R3	4	0	4,018,632:11:0
3709	97	179	02:40:21.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5410.52 +/-	2R3	4	0	4,018,632:15:1
3710	**97**	**179**	**02:41:16.132**	**C9INNSPEC 01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
3711	97	179	02:42:12.133	165FJ4A	7SCAN	NORM,30.568,14.0	Check S/P Position	2R3	4	0	4,018,633:90:0
3712	**97**	**179**	**02:43:08.800**	**125FJ4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**4,018,634:84:0**
3713	97	179	02:43:08.800	125FJ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,018,634:84:0
3714	97	179	02:43:08.800	125FJ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,018,634:84:0
3715	97	179	02:45:00.133	175FJ422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R3	4	0	4,018,636:69:0
3716	97	179	02:45:00.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5410.52 +/-	4R3	4	0	4,018,636:69:0
3717	97	179	02:45:01.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5410.64 +/-	4R3	4	0	4,018,636:71:1
3718	97	179	02:45:05.466	117FJ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,018,636:77:0
3719	97	179	02:45:06.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5411.88 +/-	4R3	4	0	4,018,636:79:0
3720	97	179	02:45:08.000		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *5411.94 +/-	4R3	4	0	4,018,636:80:8
3721	97	179	02:45:11.466	175FJ176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,018,636:86:0
3722	97	179	02:45:12.000		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *5410.44 +/-	4R3	4	0	4,018,636:86:8
3723	97	179	02:45:12.000		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 5410.44 +/-	4R3	4	0	4,018,636:86:8
3724	97	179	02:45:14.800	117FJ105A106A4A	7STRP	0.0036,0.0,0,0,0	Slew =,0.03	4R3	4	0	4,018,637:00:0
3725	**97**	**179**	**02:45:14.800**	**C9INNSPEC 01-**	**NIMPBK**	**301EN**	**NIGHTSIDE SPECTRA AT HIGH RESOLU**	**4R3**	**4**	**0**	**: :**
3726	97	179	02:47:16.133	117FJ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,018,639:00:0
3727	**97**	**179**	**02:47:16.133**	**C9INNSPEC 01-**	**DESELC**	**300EN**	**NIGHTSIDE SPECTRA AT HIGH RESOLU**	**4R3**	**4**	**0**	**: :**
3728	97	179	02:47:19.466	175FJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,018,639:05:0
3729	97	179	02:47:19.466		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *5298.41 +/-	4R3	4	0	4,018,639:05:0
3730	**97**	**179**	**02:47:20.132**	**C9INNSPEC 01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
3731	97	179	02:47:20.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5298.11 +/-	4R3	4	0	4,018,639:06:8
3732	97	179	02:48:16.133	165BH4A	7SCAN	NORM,46.833,20.6	Check S/P Position	4R3	4	0	4,018,639:90:0
3733	**97**	**179**	**03:46:59.466**	**C9JNWINDOW02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
3734	**97**	**179**	**04:28:26.799**	**C9NNRELOAD08-**		**-----START------**		**4R3**	**4**	**0**	**: :**
3735	**97**	**179**	**04:29:27.466**	**20EI6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**4R3**	**4**	**0**	**4,018,740:06:0**
3736	**97**	**179**	**04:30:28.133**	**20EI5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,018,741:06:0**
3737	**97**	**179**	**04:31:28.800**	**20EI5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,018,742:06:0**
3738	**97**	**179**	**04:32:29.466**	**20EI6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,018,743:06:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3739	**97**	**179**	**04:33:30.133**	**20EI6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,018,744:06:0**	
3740	**97**	**179**	**04:34:30.800**	**20EI5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,018,745:06:0**	
3741	**97**	**179**	**04:35:31.466**	**20EI5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,018,746:06:0**	
3742	**97**	**179**	**04:36:32.066**	**20EI4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,018,747:06:0**	
3743	**97**	**179**	**04:37:32.733**	**20EI4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,018,748:06:0**	
3744	**97**	**179**	**04:38:33.466**	**C9NNRELOAD08-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3745	**97**	**179**	**04:39:34.132**	**C9JNGRS07501-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3746	97	179	04:40:26.733	165FK4A	7SCAN	NORM,26.318,11.0	Check S/P Position	2R3	4	0	4,018,750:85:0	
3747	**97**	**179**	**04:42:27.400**	**127FK4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,018,752:84:0**	
3748	97	179	04:42:27.400	127FK	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,018,752:84:0	
3749	**97**	**179**	**04:42:28.066**	**127FK4B**	**37ETB**	**,00,05,FF,F8,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,018,752:85:0**	
3750	97	179	04:42:36.066	127FK11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,018,753:06:0	
3751	97	179	04:43:20.733	175FK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,018,753:73:0	
3752	97	179	04:43:20.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5298.11 +/-	2R5	4	1	4,018,753:73:0	
3753	97	179	04:43:22.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5298.23 +/-	2R5	4	1	4,018,753:75:1	
3754	97	179	04:43:23.400	117FK	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,753:77:0	
3755	97	179	04:43:27.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5299.46 +/-	2R5	4	1	4,018,753:83:0	
3756	97	179	04:43:28.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5299.52 +/-	2R5	4	1	4,018,753:84:8	
3757	97	179	04:43:29.400	175FK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,018,753:86:0	
3758	97	179	04:43:30.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5299.40 +/-	2R5	4	1	4,018,753:86:9	
3759	97	179	04:43:30.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5299.40 +/-	2R5	4	1	4,018,753:86:9	
3760	**97**	**179**	**04:43:32.733**	**C9JNGRS07501-**	**NIMPBK**	**301EO**	**JUPITER GREAT RED SPOT 75 DEGREE**	**2R5**	**4**	**1**	**: :**	
3761	97	179	04:43:32.733	117FK105A106A4A	7STRP	0.021703,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,754:00:0	
3762	**97**	**179**	**04:46:52.733**	**C9JNGRS07501-**	**DESELC**	**300EO**	**JUPITER GREAT RED SPOT 75 DEGREE**	**2R5**	**4**	**1**	**: :**	
3763	97	179	04:46:52.733	117FK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,757:27:0	
3764	97	179	04:46:54.733	175FK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,757:30:0	
3765	97	179	04:46:54.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5251.42 +/-	2R5	4	1	4,018,757:30:0	
3766	97	179	04:46:54.733	175FK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,757:30:0	
3767	97	179	04:46:55.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5251.36 +/-	2R5	4	1	4,018,757:31:8	
3768	97	179	04:47:34.733	165JN4A	7SCAN	NORM,27.999,13.0	Check S/P Position	2R5	4	1	4,018,757:90:0	
3769	**97**	**179**	**04:47:39.466**	**C9JNGRS07501-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3770	97	179	04:52:28.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5251.36 +/-	2R5	4	1	4,018,762:75:0	
3771	97	179	04:52:28.066	175JL422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R5	4	1	4,018,762:75:0	
3772	97	179	04:52:29.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5251.48 +/-	2R5	4	1	4,018,762:77:1	
3773	97	179	04:52:34.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5252.71 +/-	2R5	4	1	4,018,762:85:0	
3774	97	179	04:52:35.933		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *5252.77 +/-	2R5	4	1	4,018,762:86:8	
3775	97	179	04:52:37.400	165JN4B	7VECT		Inert vect update UTC	2R5	4	1	4,018,762:89:0	
3776	97	179	04:52:40.733	175JL176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R5	4	1	4,018,763:03:0	
3777	97	179	04:52:41.200		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 5186.77 +/- 1	2R5	4	1	4,018,763:03:7	
3778	97	179	04:52:41.200		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *5186.77 +/-	2R5	4	1	4,018,763:03:7	
3779	97	179	04:52:43.400	175JL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,763:07:0	
3780	97	179	04:52:43.400		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *5132.63 +/- 1	2R5	4	1	4,018,763:07:0	
3781	97	179	04:52:46.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5121.13 +/- 1	2R5	4	1	4,018,763:11:1	
3782	97	179	04:53:38.733	165BI4A	7SCAN	NORM,46.833,20.6	Check S/P Position	2R5	4	1	4,018,763:90:0	
3783	**97**	**179**	**05:34:10.132**	**C9JNGRS07502-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3784	97	179	05:35:02.733	165FL4A	7SCAN	NORM,27.484,11.4	Check S/P Position	2R5	4	1	4,018,804:85:0	
3785	97	179	05:37:56.733	175FL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,018,807:73:0	
3786	97	179	05:37:56.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5121.13 +/- 1	2R5	4	1	4,018,807:73:0	
3787	97	179	05:37:58.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5121.25 +/- 1	2R5	4	1	4,018,807:75:1	
3788	97	179	05:37:59.400	117FL	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,807:77:0	
3789	97	179	05:38:03.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5122.48 +/- 1	2R5	4	1	4,018,807:83:0	
3790	97	179	05:38:04.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5122.54 +/- 1	2R5	4	1	4,018,807:84:8	
3791	97	179	05:38:05.400	175FL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,018,807:86:0	
3792	97	179	05:38:06.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5122.42 +/- 1	2R5	4	1	4,018,807:86:9	
3793	97	179	05:38:06.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5122.42 +/- 1	2R5	4	1	4,018,807:86:9	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3794	**97**	**179**	**05:38:08.733**	**C9JNGRS07502-**	**NIMPBK**	**301EP**	**JUPITER GREAT RED SPOT 75 DEGREE**	**2R5**	**4**	**1**	**: :**	
3795	97	179	05:38:08.733	117FL105A106A4A	7STRP	0.041023,0.0,0,0	Slew =,0.21	2R5	4	1	4,018,808:00:0	
3796	97	179	05:41:28.733	117FL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,811:27:0	
3797	**97**	**179**	**05:41:28.733**	**C9JNGRS07502-**	**DESELC**	**300EP**	**JUPITER GREAT RED SPOT 75 DEGREE**	**2R5**	**4**	**1**	**: :**	
3798	97	179	05:41:40.733	175FL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,811:45:0	
3799	97	179	05:41:40.733	175FL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,811:45:0	
3800	97	179	05:41:40.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5072.10 +/- 1	2R5	4	1	4,018,811:45:0	
3801	97	179	05:41:41.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5072.04 +/- 1	2R5	4	1	4,018,811:46:8	
3802	97	179	05:42:10.733	165BJ4A	7SCAN	NORM,46.833,20.6	Check S/P Position	2R5	4	1	4,018,811:90:0	
3803	**97**	**179**	**05:42:15.466**	**C9JNGRS07502-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3804	97	179	05:43:03.400	488AA6A	6TMSED	NORM,FL4	Sci, Eng, and D/L Chan	2R5	4	1	4,018,812:78:0	
3805	97	179	06:15:00.066	488AA6B	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R5	4	1	4,018,844:41:0	
3806	97	179	06:15:03.400	488AA6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R5	4	1	4,018,844:46:0	
3807	**97**	**179**	**06:38:52.799**	**C9JNGRS07504-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3808	97	179	06:39:48.733	165FN4A	7SCAN	NORM,28.19,11.76	Check S/P Position	2R5	4	1	4,018,868:90:0	
3809	97	179	06:42:39.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5072.04 +/- 1	2R5	4	1	4,018,871:73:0	
3810	97	179	06:42:39.400	175FN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,018,871:73:0	
3811	97	179	06:42:40.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5072.16 +/- 1	2R5	4	1	4,018,871:75:1	
3812	97	179	06:42:42.066	117FN	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,018,871:77:0	
3813	97	179	06:42:46.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5073.39 +/- 1	2R5	4	1	4,018,871:83:0	
3814	97	179	06:42:47.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5073.45 +/- 1	2R5	4	1	4,018,871:84:8	
3815	97	179	06:42:48.066	175FN176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,018,871:86:0	
3816	97	179	06:42:48.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5073.33 +/- 1	2R5	4	1	4,018,871:86:9	
3817	97	179	06:42:48.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5073.33 +/- 1	2R5	4	1	4,018,871:86:9	
3818	**97**	**179**	**06:42:51.400**	**C9JNGRS07504-**	**NIMPBK**	**301EQ**	**JUPITER GREAT RED SPOT 75 DEGREE**	**2R5**	**4**	**1**	**: :**	
3819	97	179	06:42:51.400	117FN105A106A4A	7STRP	0.021803,0.0,0,0	Slew =,0.11	2R5	4	1	4,018,872:00:0	
3820	97	179	06:46:11.400	117FN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,018,875:27:0	
3821	**97**	**179**	**06:46:11.400**	**C9JNGRS07504-**	**DESELC**	**300EQ**	**JUPITER GREAT RED SPOT 75 DEGREE**	**2R5**	**4**	**1**	**: :**	
3822	97	179	06:46:23.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5023.00 +/- 1	2R5	4	1	4,018,875:45:0	
3823	97	179	06:46:23.400	175FN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,018,875:45:0	
3824	97	179	06:46:23.400	175FN6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,018,875:45:0	
3825	97	179	06:46:24.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5022.94 +/- 1	2R5	4	1	4,018,875:46:8	
3826	**97**	**179**	**06:47:02.799**	**C9JNGRS07504-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3827	**97**	**179**	**06:53:02.132**	**C9INCHEMIS04-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3828	97	179	06:53:58.066	165FO4A	7SCAN	NORM,25.127,11.9	Check S/P Position	2R5	4	1	4,018,882:90:0	
3829	**97**	**179**	**06:56:56.066**	**127FO4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,018,885:84:0**	
3830	97	179	06:56:56.066	127FO	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,018,885:84:0	
3831	**97**	**179**	**06:56:56.733**	**127FO4B**	**37ETB**	**07,C7,02,25,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,018,885:85:0**	
3832	97	179	06:57:04.733	127FO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,018,886:06:0	
3833	97	179	06:57:49.400	175FO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,018,886:73:0	
3834	97	179	06:57:49.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5022.94 +/- 1	2R3	4	0	4,018,886:73:0	
3835	97	179	06:57:50.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5023.06 +/- 1	2R3	4	0	4,018,886:75:1	
3836	97	179	06:57:52.066	117FO	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,018,886:77:0	
3837	97	179	06:57:56.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5024.30 +/- 1	2R3	4	0	4,018,886:83:0	
3838	97	179	06:57:57.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5024.36 +/- 1	2R3	4	0	4,018,886:84:8	
3839	97	179	06:57:58.066	175FO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,018,886:86:0	
3840	97	179	06:57:58.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5024.24 +/- 1	2R3	4	0	4,018,886:86:9	
3841	97	179	06:57:58.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5024.24 +/- 1	2R3	4	0	4,018,886:86:9	
3842	**97**	**179**	**06:58:01.400**	**C9INCHEMIS04-**	**NIMPBK**	**301ER**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
3843	97	179	06:58:01.400	117FO105A106A4A	7STRP	0.0043,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,018,887:00:0	
3844	97	179	07:00:27.400	117FO105A106A4B	7STRP	-0.0005,0.0,0,0,	Slew =12.01	2R3	4	0	4,018,889:37:0	
3845	97	179	07:00:36.733	117FO105A106A4C	7STRP	0.0043,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,018,889:51:0	
3846	**97**	**179**	**07:03:01.400**	**C9INCHEMIS04-**	**DESELC**	**300ER**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
3847	97	179	07:03:02.733	117FO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,018,891:88:0	
3848	**97**	**179**	**07:03:08.799**	**C9INCHEMIS04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3849	97	179	07:03:13.400	175FO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,018,892:13:0	
3850	97	179	07:03:13.400	175FO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,018,892:13:0	
3851	97	179	07:03:13.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4950.47 +/- 1	2R3	4	0	4,018,892:13:0	
3852	97	179	07:03:14.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4950.41 +/- 1	2R3	4	0	4,018,892:14:8	
3853	**97**	**179**	**07:09:02.799**	**C9JNGRS53M01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3854	97	179	07:10:08.733	165FP4A	7SCAN	NORM,27.858,11.6	Check S/P Position	2R3	4	0	4,018,898:90:0	
3855	97	179	07:11:05.400	125FP	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,018,899:84:0	
3856	97	179	07:11:05.400	125FP11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,018,899:84:0	
3857	**97**	**179**	**07:11:05.400**	**125FP4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**4,018,899:84:0**	
3858	97	179	07:12:06.066	127FP	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,018,900:84:0	
3859	**97**	**179**	**07:12:06.733**	**127FP4A**	**37ETB**		**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,018,900:85:0**	
3860	97	179	07:12:14.733	127FP11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,018,901:06:0	
3861	97	179	07:12:59.400	175FP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,018,901:73:0	
3862	97	179	07:12:59.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4950.41 +/- 1	4R3	4	0	4,018,901:73:0	
3863	97	179	07:13:00.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4950.53 +/- 1	4R3	4	0	4,018,901:75:1	
3864	97	179	07:13:02.066	117FP	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,018,901:77:0	
3865	97	179	07:13:06.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4951.77 +/- 1	4R3	4	0	4,018,901:83:0	
3866	97	179	07:13:07.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4951.83 +/- 1	4R3	4	0	4,018,901:84:8	
3867	97	179	07:13:08.066	175FP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,018,901:86:0	
3868	97	179	07:13:08.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4951.71 +/- 1	4R3	4	0	4,018,901:86:9	
3869	97	179	07:13:08.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4951.71 +/- 1	4R3	4	0	4,018,901:86:9	
3870	**97**	**179**	**07:13:11.400**	**C9JNGRS53M01-**	**NIMPBK**	**301ES**	**JUPITER GREAT RED SPOT 5 AND 3 M**	**4R3**	**4**	**0**	**: :**	
3871	97	179	07:13:11.400	117FP105A106A4A	7STRP	0.021803,0.0,0,0	Slew =,0.03	4R3	4	0	4,018,902:00:0	
3872	**97**	**179**	**07:22:17.400**	**C9JNGRS53M01-**	**DESELC**	**300ES**	**JUPITER GREAT RED SPOT 5 AND 3 M**	**4R3**	**4**	**0**	**: :**	
3873	97	179	07:22:29.400	175FP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,018,911:18:0	
3874	97	179	07:22:29.400	175FP422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,018,911:18:0	
3875	97	179	07:22:29.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4820.28 +/- 1	4R3	4	0	4,018,911:18:0	
3876	97	179	07:22:30.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4820.22 +/- 1	4R3	4	0	4,018,911:19:8	
3877	97	179	07:25:19.400	117FP105A106A4B	7STRP	-0.022904,0.0,0,	Slew =12.01	4R3	4	0	4,018,914:00:0	
3878	97	179	07:27:20.733	117FP105A106A4C	7STRP	0.021803,0.0,0,0	Slew =,0.03	4R3	4	0	4,018,916:00:0	
3879	97	179	07:39:28.733	117FP11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,018,928:00:0	
3880	97	179	07:40:23.400	488AA6D	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	4,018,928:82:0	
3881	**97**	**179**	**07:40:33.466**	**C9JNGRS53M01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3882	**97**	**179**	**08:00:46.799**	**C9JNGRS5UM01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3883	97	179	08:01:42.733	165FR4A	7SCAN	NORM,28.264,11.9	Check S/P Position	4R3	4	0	4,018,949:90:0	
3884	97	179	08:05:34.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4820.22 +/- 1	4R3	4	0	4,018,953:73:0	
3885	97	179	08:05:34.066	175FR422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,018,953:73:0	
3886	97	179	08:05:35.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4820.34 +/- 1	4R3	4	0	4,018,953:75:1	
3887	97	179	08:05:36.733	117FR	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,018,953:77:0	
3888	97	179	08:05:40.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4821.58 +/- 1	4R3	4	0	4,018,953:83:0	
3889	97	179	08:05:41.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4821.64 +/- 1	4R3	4	0	4,018,953:84:8	
3890	97	179	08:05:42.733	175FR176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,018,953:86:0	
3891	97	179	08:05:43.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4821.52 +/- 1	4R3	4	0	4,018,953:86:9	
3892	97	179	08:05:43.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4821.52 +/- 1	4R3	4	0	4,018,953:86:9	
3893	97	179	08:05:46.066	117FR105A106A4A	7STRP	0.0109,0.0,0,0,0	Slew =,0.02	4R3	4	0	4,018,954:00:0	
3894	**97**	**179**	**08:05:46.066**	**C9JNGRS5UM01-**	**NIMPBK**	**301ET**	**JUPITER GREAT RED SPOT 5 MICRON**	**4R3**	**4**	**0**	**: :**	
3895	**97**	**179**	**08:14:52.066**	**C9JNGRS5UM01-**	**DESELC**	**300ET**	**JUPITER GREAT RED SPOT 5 MICRON**	**4R3**	**4**	**0**	**: :**	
3896	97	179	08:14:52.066	117FR11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,018,963:00:0	
3897	**97**	**179**	**08:14:56.132**	**C9JNGRS5UM01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3898	97	179	08:15:04.066	175FR422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,018,963:18:0	
3899	97	179	08:15:04.066	175FR6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,018,963:18:0	
3900	97	179	08:15:04.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4690.10 +/- 1	4R3	4	0	4,018,963:18:0	
3901	97	179	08:15:05.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4690.04 +/- 1	4R3	4	0	4,018,963:19:8	
3902	97	179	08:15:52.066	165AQ4A	7SCAN	NORM,30.603,17.3	Check S/P Position	4R3	4	0	4,018,963:90:0	
3903	**97**	**179**	**08:37:10.799**	**C9JNAURMAP03+**		**-----START------**		**4R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3904	97	179	08:38:02.733	125LE11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,018,985:84:0	
3905	97	179	08:38:02.733	125LE	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,018,985:84:0	
3906	**97**	**179**	**08:38:02.733**	**125LE4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,018,985:84:0**	
3907	97	179	08:39:03.400	127LE	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,018,986:84:0	
3908	**97**	**179**	**08:39:04.066**	**127LE4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,018,986:85:0**	
3909	97	179	08:39:12.066	127LE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,018,987:06:0	
3910	**97**	**179**	**08:39:28.066**	**432EK6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,018,987:30:0**	
3911	**97**	**179**	**08:42:28.733**	**432EL6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,018,990:28:0**	
3912	**97**	**179**	**08:44:06.733**	**125LF4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,018,991:84:0**	
3913	97	179	08:44:06.733	125LF11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,018,991:84:0	
3914	97	179	08:44:06.733	125LF	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,018,991:84:0	
3915	**97**	**179**	**08:45:16.132**	**C9JNAURMAP03+**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3916	97	179	08:46:12.066	165AR4A	7SCAN	NORM,31.725,17.7	Check S/P Position	4R3	4	0	4,018,993:90:0	
3917	**97**	**179**	**08:46:16.799**	**C9NNRELOAD09-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3918	**97**	**179**	**08:47:17.400**	**20EJ6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**4R3**	**4**	**0**	**4,018,995:06:0**	
3919	**97**	**179**	**08:48:18.066**	**20EJ5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,018,996:06:0**	
3920	**97**	**179**	**08:49:18.733**	**20EJ5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,018,997:06:0**	
3921	**97**	**179**	**08:50:19.400**	**20EJ6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,018,998:06:0**	
3922	**97**	**179**	**08:51:20.066**	**20EJ6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,018,999:06:0**	
3923	**97**	**179**	**08:52:20.733**	**20EJ5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,019,000:06:0**	
3924	**97**	**179**	**08:53:21.400**	**20EJ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,019,001:06:0**	
3925	**97**	**179**	**08:54:22.066**	**20EJ4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,019,002:06:0**	
3926	**97**	**179**	**08:55:22.733**	**20EJ4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,019,003:06:0**	
3927	**97**	**179**	**08:56:23.466**	**C9NNRELOAD09-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3928	**97**	**179**	**09:42:55.466**	**C9JNFEA08501-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3929	97	179	09:43:50.066	165FS4A	7SCAN	NORM,36.842,16.8	Check S/P Position	2R3	4	0	4,019,050:90:0	
3930	**97**	**179**	**09:44:46.733**	**127FS4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,019,051:84:0**	
3931	97	179	09:44:46.733	127FS	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,019,051:84:0	
3932	**97**	**179**	**09:44:47.400**	**127FS4B**	**37ETB**	**,00,05,FF,F8,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,019,051:85:0**	
3933	97	179	09:44:55.400	127FS11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,019,052:06:0	
3934	97	179	09:45:40.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4690.04 +/- 1	2R5	4	1	4,019,052:73:0	
3935	97	179	09:45:40.066	175FS422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,052:73:0	
3936	97	179	09:45:41.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4690.16 +/- 1	2R5	4	1	4,019,052:75:1	
3937	97	179	09:45:42.733	117FS	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,019,052:77:0	
3938	97	179	09:45:46.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4691.39 +/- 1	2R5	4	1	4,019,052:83:0	
3939	97	179	09:45:47.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4691.45 +/- 1	2R5	4	1	4,019,052:84:8	
3940	97	179	09:45:48.733	175FS176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,019,052:86:0	
3941	97	179	09:45:49.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4691.33 +/- 1	2R5	4	1	4,019,052:86:9	
3942	97	179	09:45:49.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4691.33 +/- 1	2R5	4	1	4,019,052:86:9	
3943	**97**	**179**	**09:45:52.066**	**C9JNFEA08501-**	**NIMPBK**	**301EU**	**JUPITER FTR TRK 85 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
3944	97	179	09:45:52.066	117FS105A106A4A	7STRP	0.021904,0.0,0,0	Slew =,0.11	2R5	4	1	4,019,053:00:0	
3945	97	179	09:49:12.066	117FS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,019,056:27:0	
3946	**97**	**179**	**09:49:12.066**	**C9JNFEA08501-**	**DESELC**	**300EU**	**JUPITER FTR TRK 85 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
3947	97	179	09:49:24.066	175FS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,056:45:0	
3948	97	179	09:49:24.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4641.00 +/- 1	2R5	4	1	4,019,056:45:0	
3949	97	179	09:49:24.066	175FS6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,019,056:45:0	
3950	97	179	09:49:25.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4640.94 +/- 1	2R5	4	1	4,019,056:46:8	
3951	**97**	**179**	**09:50:02.799**	**C9JNFEA08501-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3952	**97**	**179**	**09:51:51.400**	**125FT4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R5**	**4**	**1**	**4,019,058:84:0**	
3953	97	179	09:51:51.400	125FT11A	NIMSINIT	GE	##### GROUP END INIT	4R5	4	1	4,019,058:84:0	
3954	97	179	09:51:51.400	125FT	NIMSINIT	GS	##### GROUP START INIT	4R5	4	1	4,019,058:84:0	
3955	**97**	**179**	**09:52:02.799**	**C9JNTHRCYL03-**		**-----START------**		**4R5**	**4**	**1**	**: :**	
3956	97	179	09:52:52.066	127FT	NIMSTAB	GS	%%%%% GROUP START TAB	4R5	4	1	4,019,059:84:0	
3957	**97**	**179**	**09:52:52.066**	**127FT4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,019,059:84:0**	
3958	**97**	**179**	**09:52:52.733**	**127FT4B**	**37ETB**	**,CD,02,03,FF,1A,**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,019,059:85:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3959	97	179	09:52:56.066	165FT4A	7SCAN	NORM,32.98,15.58	Check S/P Position	4R3	4	0	4,019,059:90:0	
3960	97	179	09:53:00.733	127FT11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,019,060:06:0	
3961	97	179	09:53:45.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4640.94 +/- 1	4R3	4	0	4,019,060:73:0	
3962	97	179	09:53:45.400	175FT422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,019,060:73:0	
3963	97	179	09:53:46.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4641.06 +/- 1	4R3	4	0	4,019,060:75:1	
3964	97	179	09:53:48.066	117FT	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,019,060:77:0	
3965	97	179	09:53:52.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4642.30 +/- 1	4R3	4	0	4,019,060:83:0	
3966	97	179	09:53:53.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4642.36 +/- 1	4R3	4	0	4,019,060:84:8	
3967	97	179	09:53:54.066	175FT176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,019,060:86:0	
3968	97	179	09:53:54.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4642.24 +/- 1	4R3	4	0	4,019,060:86:9	
3969	97	179	09:53:54.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4642.24 +/- 1	4R3	4	0	4,019,060:86:9	
3970	**97**	**179**	**09:53:57.400**	**C9JNTHRCYL03-**	**NIMPBK**	**301EV**	**JUPITER THERMAL CYCLE MAP PART 3**	**4R3**	**4**	**0**	**: :**	
3971	97	179	09:53:57.400	117FT105A106A4A	7STRP	0.035915,0.0,0,0	Slew =,0.03	4R3	4	0	4,019,061:00:0	
3972	**97**	**179**	**10:13:45.400**	**C9JNTHRCYL03-**	**DESELC**	**300EV**	**JUPITER THERMAL CYCLE MAP PART 3**	**4R3**	**4**	**0**	**: :**	
3973	97	179	10:13:55.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4360.81 +/- 1	4R3	4	0	4,019,080:68:0	
3974	97	179	10:13:55.400	175FT6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,019,080:68:0	
3975	97	179	10:13:55.400	175FT422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,019,080:68:0	
3976	97	179	10:13:56.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4360.75 +/- 1	4R3	4	0	4,019,080:69:8	
3977	97	179	10:13:56.733	117FT11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,019,080:70:0	
3978	**97**	**179**	**10:14:03.466**	**C9JNTHRCYL03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3979	**97**	**179**	**10:26:02.799**	**C9JNFEA08502-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3980	97	179	10:26:18.066	165FV4A	7SCAN	NORM,38.278,17.3	Check S/P Position	4R3	4	0	4,019,092:90:0	
3981	97	179	10:28:15.400	125FV11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,019,094:84:0	
3982	**97**	**179**	**10:28:15.400**	**125FV4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**4,019,094:84:0**	
3983	97	179	10:28:15.400	125FV	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,019,094:84:0	
3984	97	179	10:29:16.066	127FV	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,019,095:84:0	
3985	**97**	**179**	**10:29:16.066**	**127FV4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,019,095:84:0**	
3986	**97**	**179**	**10:29:16.733**	**127FV4B**	**37ETB**	**,00,05,FF,F8,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,019,095:85:0**	
3987	97	179	10:29:24.733	127FV11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,019,096:06:0	
3988	97	179	10:30:09.400	175FV422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,096:73:0	
3989	97	179	10:30:09.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4360.75 +/- 1	2R5	4	1	4,019,096:73:0	
3990	97	179	10:30:10.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4360.87 +/- 1	2R5	4	1	4,019,096:75:1	
3991	97	179	10:30:12.066	117FV	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,019,096:77:0	
3992	97	179	10:30:16.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4362.11 +/- 1	2R5	4	1	4,019,096:83:0	
3993	97	179	10:30:17.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4362.17 +/- 1	2R5	4	1	4,019,096:84:8	
3994	97	179	10:30:18.066	175FV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,019,096:86:0	
3995	97	179	10:30:18.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4362.05 +/- 1	2R5	4	1	4,019,096:86:9	
3996	97	179	10:30:18.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4362.05 +/- 1	2R5	4	1	4,019,096:86:9	
3997	**97**	**179**	**10:30:21.400**	**C9JNFEA08502-**	**NIMPBK**	**301EW**	**JUPITER FTR TRK 85 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
3998	97	179	10:30:21.400	117FV105A106A4A	7STRP	0.021904,0.0,0,0	Slew =,0.11	2R5	4	1	4,019,097:00:0	
3999	**97**	**179**	**10:33:41.400**	**C9JNFEA08502-**	**DESELC**	**300EW**	**JUPITER FTR TRK 85 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
4000	97	179	10:33:41.400	117FV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,019,100:27:0	
4001	97	179	10:33:53.400	175FV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,100:45:0	
4002	97	179	10:33:53.400	175FV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,019,100:45:0	
4003	97	179	10:33:53.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4311.72 +/- 1	2R5	4	1	4,019,100:45:0	
4004	97	179	10:33:54.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4311.66 +/- 1	2R5	4	1	4,019,100:46:8	
4005	**97**	**179**	**10:36:02.799**	**C9JNFEA08502-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4006	**97**	**179**	**10:36:20.733**	**125FW4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R5**	**4**	**1**	**4,019,102:84:0**	
4007	97	179	10:36:20.733	125FW	NIMSINIT	GS	##### GROUP START INIT	4R5	4	1	4,019,102:84:0	
4008	97	179	10:36:20.733	125FW11A	NIMSINIT	GE	##### GROUP END INIT	4R5	4	1	4,019,102:84:0	
4009	**97**	**179**	**10:37:02.799**	**C9JNTHRCYL04-**		**-----START------**		**4R5**	**4**	**1**	**: :**	
4010	**97**	**179**	**10:37:21.400**	**127FW4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,019,103:84:0**	
4011	97	179	10:37:21.400	127FW	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,019,103:84:0	
4012	**97**	**179**	**10:37:22.066**	**127FW4B**	**37ETB**	**,CD,02,03,FF,1A,**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,019,103:85:0**	
4013	97	179	10:37:25.400	165FW4A	7SCAN	NORM,34.512,16.1	Check S/P Position	4R3	4	0	4,019,103:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4014	97	179	10:37:30.066	127FW11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,019,104:06:0	
4015	97	179	10:38:14.733	175FW422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,019,104:73:0	
4016	97	179	10:38:14.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4311.66 +/- 1	4R3	4	0	4,019,104:73:0	
4017	97	179	10:38:16.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4311.78 +/- 1	4R3	4	0	4,019,104:75:1	
4018	97	179	10:38:17.400	117FW	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,019,104:77:0	
4019	97	179	10:38:21.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4313.02 +/- 1	4R3	4	0	4,019,104:83:0	
4020	97	179	10:38:22.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4313.08 +/- 1	4R3	4	0	4,019,104:84:8	
4021	97	179	10:38:23.400	175FW176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,019,104:86:0	
4022	97	179	10:38:24.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4312.96 +/- 1	4R3	4	0	4,019,104:86:9	
4023	97	179	10:38:24.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4312.96 +/- 1	4R3	4	0	4,019,104:86:9	
4024	97	179	10:38:26.733	117FW105A106A4A	7STRP	0.038108,0.0,0,0	Slew =,0.03	4R3	4	0	4,019,105:00:0	
4025	**97**	**179**	**10:38:26.733**	**C9JNTHRCYL04-**	**NIMPBK**	**301EX**	**JUPITER THERMAL CYCLE MAP PART 4**	**4R3**	**4**	**0**	**: :**	
4026	**97**	**179**	**10:58:14.733**	**C9JNTHRCYL04-**	**DESELC**	**300EX**	**JUPITER THERMAL CYCLE MAP PART 4**	**4R3**	**4**	**0**	**: :**	
4027	97	179	10:58:24.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4031.53 +/- 1	4R3	4	0	4,019,124:68:0	
4028	97	179	10:58:24.733	175FW422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,019,124:68:0	
4029	97	179	10:58:24.733	175FW6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,019,124:68:0	
4030	97	179	10:58:25.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4031.47 +/- 1	4R3	4	0	4,019,124:69:8	
4031	**97**	**179**	**10:59:02.799**	**C9JNTHRCYL04-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
4032	97	179	10:59:40.733	117FW11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,019,126:00:0	
4033	97	179	11:00:00.066	488AA6E	6TMSED	NORM,HL6	Sci, Eng, and D/L Chan	4R3	4	0	4,019,126:29:0	
4034	97	179	11:00:00.733	282NE432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	4,019,126:30:0	
4035	97	179	11:00:01.400	282NE432A6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,019,126:31:0	
4036	97	179	11:12:02.066	488AB6A	6TMSED	FILL,HL6	Sci, Eng, and D/L Chan	4R3	4	0	4,019,138:20:0	
4037	**97**	**179**	**11:14:54.799**	**C9JNFEA08503-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
4038	97	179	11:15:50.733	165FY4A	7SCAN	NORM,38.51,17.40	Check S/P Position	4R3	4	0	4,019,141:90:0	
4039	97	179	11:15:51.400	488AB6B	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	4R3	4	0	4,019,142:00:0	
4040	97	179	11:17:31.400	488AB6C	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	4R3	4	0	4,019,143:59:0	
4041	**97**	**179**	**11:17:48.066**	**125FY4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**4,019,143:84:0**	
4042	97	179	11:17:48.066	125FY	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,019,143:84:0	
4043	97	179	11:17:48.066	125FY11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,019,143:84:0	
4044	97	179	11:18:48.733	127FY	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,019,144:84:0	
4045	**97**	**179**	**11:18:48.733**	**127FY4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,019,144:84:0**	
4046	**97**	**179**	**11:18:49.400**	**127FY4B**	**37ETB**	**,00,05,FF,F8,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,019,144:85:0**	
4047	97	179	11:18:57.400	127FY11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,019,145:06:0	
4048	97	179	11:19:42.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4031.47 +/- 1	2R5	4	1	4,019,145:73:0	
4049	97	179	11:19:42.066	175FY422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,145:73:0	
4050	97	179	11:19:43.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4031.59 +/- 1	2R5	4	1	4,019,145:75:1	
4051	97	179	11:19:44.733	117FY	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,019,145:77:0	
4052	97	179	11:19:48.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4032.83 +/- 1	2R5	4	1	4,019,145:83:0	
4053	97	179	11:19:49.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4032.89 +/- 1	2R5	4	1	4,019,145:84:8	
4054	97	179	11:19:50.733	175FY176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,019,145:86:0	
4055	97	179	11:19:51.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4032.77 +/- 1	2R5	4	1	4,019,145:86:9	
4056	97	179	11:19:51.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4032.77 +/- 1	2R5	4	1	4,019,145:86:9	
4057	**97**	**179**	**11:19:54.066**	**C9JNFEA08503-**	**NIMPBK**	**301EY**	**JUPITER FTR TRK 85 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
4058	97	179	11:19:54.066	117FY105A106A4A	7STRP	0.021904,0.0,0,0	Slew =,0.11	2R5	4	1	4,019,146:00:0	
4059	**97**	**179**	**11:23:14.066**	**C9JNFEA08503-**	**DESELC**	**300EY**	**JUPITER FTR TRK 85 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
4060	97	179	11:23:14.066	117FY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,019,149:27:0	
4061	97	179	11:23:26.066	175FY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,149:45:0	
4062	97	179	11:23:26.066	175FY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,019,149:45:0	
4063	97	179	11:23:26.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3982.44 +/- 1	2R5	4	1	4,019,149:45:0	
4064	97	179	11:23:27.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3982.38 +/- 1	2R5	4	1	4,019,149:46:8	
4065	**97**	**179**	**11:24:00.799**	**C9JNFEA08503-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4066	97	179	11:34:02.733	165FZ4A	7SCAN	NORM,38.409,17.3	Check S/P Position	2R5	4	1	4,019,159:90:0	
4067	**97**	**179**	**11:34:02.799**	**C9JNFEA08504-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4068	97	179	11:37:54.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3982.38 +/- 1	2R5	4	1	4,019,163:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4069	97	179	11:37:54.066	175FZ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,163:73:0	
4070	97	179	11:37:55.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3982.50 +/- 1	2R5	4	1	4,019,163:75:1	
4071	97	179	11:37:56.733	117FZ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,019,163:77:0	
4072	97	179	11:38:00.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3983.73 +/- 1	2R5	4	1	4,019,163:83:0	
4073	97	179	11:38:01.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3983.79 +/- 1	2R5	4	1	4,019,163:84:8	
4074	97	179	11:38:02.733	175FZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,019,163:86:0	
4075	97	179	11:38:03.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3983.67 +/- 1	2R5	4	1	4,019,163:86:9	
4076	97	179	11:38:03.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3983.67 +/- 1	2R5	4	1	4,019,163:86:9	
4077	**97**	**179**	**11:38:06.066**	**C9JNFEA08504-**	**NIMPBK**	**301EZ**	**JUPITER FTR TRK 85 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
4078	97	179	11:38:06.066	117FZ105A106A4A	7STRP	0.021904,0.0,0,0	Slew =,0.11	2R5	4	1	4,019,164:00:0	
4079	**97**	**179**	**11:41:26.066**	**C9JNFEA08504-**	**DESELC**	**300EZ**	**JUPITER FTR TRK 85 DEGREES PHASE**	**2R5**	**4**	**1**	**: :**	
4080	97	179	11:41:26.066	117FZ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,019,167:27:0	
4081	97	179	11:41:38.066	175FZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,019,167:45:0	
4082	97	179	11:41:38.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3933.35 +/- 1	2R5	4	1	4,019,167:45:0	
4083	97	179	11:41:38.066	175FZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,167:45:0	
4084	97	179	11:41:39.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3933.29 +/- 1	2R5	4	1	4,019,167:46:8	
4085	**97**	**179**	**11:42:02.799**	**C9JNFEA08504-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4086	**97**	**179**	**12:04:27.466**	**C9NNRELOAD10-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4087	**97**	**179**	**12:05:28.066**	**20EK6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R5**	**4**	**1**	**4,019,191:06:0**	
4088	**97**	**179**	**12:06:28.733**	**20EK5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**4,019,192:06:0**	
4089	**97**	**179**	**12:07:29.400**	**20EK5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**4,019,193:06:0**	
4090	**97**	**179**	**12:08:30.066**	**20EK6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**4,019,194:06:0**	
4091	**97**	**179**	**12:09:30.733**	**20EK6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**4,019,195:06:0**	
4092	**97**	**179**	**12:10:31.400**	**20EK5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,019,196:06:0**	
4093	**97**	**179**	**12:11:32.066**	**20EK5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,019,197:06:0**	
4094	**97**	**179**	**12:12:32.733**	**20EK4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,019,198:06:0**	
4095	**97**	**179**	**12:12:32.799**	**C9HNDARK__04-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
4096	97	179	12:13:28.733	165LB4A	7SCAN	NORM,259.005997,	Check S/P Position	2R0	4	0	4,019,198:90:0	
4097	**97**	**179**	**12:13:33.400**	**20EK4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,019,199:06:0**	
4098	**97**	**179**	**12:14:34.132**	**C9NNRELOAD10-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
4099	**97**	**179**	**12:15:26.066**	**125DA4A**	**37IST**	**1,2,0,OFF,0,1,2**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**3R3**	**4**	**0**	**4,019,200:84:0**	
4100	97	179	12:15:26.066	125DA11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	4,019,200:84:0	
4101	97	179	12:15:26.066	125DA	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	4,019,200:84:0	
4102	97	179	12:16:26.733	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	4,019,201:84:0	
4103	**97**	**179**	**12:16:27.400**	**127DA4A**	**37ETB**	**0A,CA,1D,FF,FF,0**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**4,019,201:85:0**	
4104	97	179	12:16:35.400	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	4,019,202:06:0	
4105	97	179	12:17:20.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3933.29 +/- 1	3R3	4	0	4,019,202:73:0	
4106	97	179	12:17:20.066	175LB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,019,202:73:0	
4107	97	179	12:17:21.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3933.41 +/- 1	3R3	4	0	4,019,202:75:1	
4108	97	179	12:17:22.733	117LB	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	4,019,202:77:0	
4109	97	179	12:17:26.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3934.64 +/- 1	3R3	4	0	4,019,202:83:0	
4110	97	179	12:17:27.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3934.70 +/- 1	3R3	4	0	4,019,202:84:8	
4111	97	179	12:17:28.733	175LB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	4,019,202:86:0	
4112	97	179	12:17:29.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3934.58 +/- 1	3R3	4	0	4,019,202:86:9	
4113	97	179	12:17:29.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3934.58 +/- 1	3R3	4	0	4,019,202:86:9	
4114	97	179	12:17:32.066	117LB105A106A4A	7STRP	-0.0017,0.0,0,0,	Slew =,0.03	3R3	4	0	4,019,203:00:0	
4115	**97**	**179**	**12:17:32.066**	**C9HNDARK__04-**	**NIMPBK**	**301FB**	**NIMS DARK OBSERVATION**	**3R3**	**4**	**0**	**: :**	
4116	**97**	**179**	**12:18:32.066**	**C9HNDARK__04-**	**DESELC**	**300FB**	**NIMS DARK OBSERVATION**	**3R3**	**4**	**0**	**: :**	
4117	97	179	12:18:32.733	117LB11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	4,019,204:00:0	
4118	**97**	**179**	**12:18:36.799**	**C9HNDARK__04-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
4119	97	179	12:18:40.066	488AB6D	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	3R3	4	0	4,019,204:11:0	
4120	97	179	12:18:44.066	175LB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	4,019,204:17:0	
4121	97	179	12:18:44.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3917.06 +/- 1	3R3	4	0	4,019,204:17:0	
4122	97	179	12:18:44.066	175LB422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,019,204:17:0	
4123	97	179	12:18:45.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3917.00 +/- 1	3R3	4	0	4,019,204:18:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4124	**97**	**179**	**12:19:37.466**	**C9JNFEA53M01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
4125	97	179	12:20:20.066	165LC4A	7SCAN	NORM,38.294,17.3	Check S/P Position	3R3	4	0	4,019,205:70:0	
4126	**97**	**179**	**12:21:30.066**	**125DQ4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**4,019,206:84:0**	
4127	97	179	12:21:30.066	125DQ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,019,206:84:0	
4128	97	179	12:21:30.066	125DQ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,019,206:84:0	
4129	97	179	12:22:30.733	127DQ	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,019,207:84:0	
4130	**97**	**179**	**12:22:31.400**	**127DQ4A**	**37ETB**		**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,019,207:85:0**	
4131	97	179	12:22:39.400	127DQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,019,208:06:0	
4132	97	179	12:23:24.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3917.00 +/- 1	4R3	4	0	4,019,208:73:0	
4133	97	179	12:23:24.066	175LC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,019,208:73:0	
4134	97	179	12:23:25.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3917.12 +/- 1	4R3	4	0	4,019,208:75:1	
4135	97	179	12:23:26.733	117LC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,019,208:77:0	
4136	97	179	12:23:30.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3918.36 +/- 1	4R3	4	0	4,019,208:83:0	
4137	97	179	12:23:31.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3918.42 +/- 1	4R3	4	0	4,019,208:84:8	
4138	97	179	12:23:32.733	175LC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,019,208:86:0	
4139	97	179	12:23:33.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3918.30 +/- 1	4R3	4	0	4,019,208:86:9	
4140	97	179	12:23:33.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3918.30 +/- 1	4R3	4	0	4,019,208:86:9	
4141	97	179	12:23:36.066	117LC105A106A4A	7STRP	0.021803,0.0,0,0	Slew =,0.03	4R3	4	0	4,019,209:00:0	
4142	**97**	**179**	**12:23:36.066**	**C9JNFEA53M01-**	**NIMPBK**	**301FC**	**JUPITER FTR TRK 5 AND 3 MICRON M**	**4R3**	**4**	**0**	**: :**	
4143	**97**	**179**	**12:35:26.066**	**C9JNFEA53M01-**	**DESELC**	**300FC**	**JUPITER FTR TRK 5 AND 3 MICRON M**	**4R3**	**4**	**0**	**: :**	
4144	97	179	12:35:44.066	117LC105A106A4B	7STRP	-0.021003,0.0,0,	Slew =12.01	4R3	4	0	4,019,221:00:0	
4145	97	179	12:37:45.400	117LC105A106A4C	7STRP	0.021803,0.0,0,0	Slew =,0.03	4R3	4	0	4,019,223:00:0	
4146	97	179	12:42:05.400	488AB6E	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	4R3	4	0	4,019,227:26:0	
4147	97	179	12:49:53.400	117LC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,019,235:00:0	
4148	**97**	**179**	**12:50:02.799**	**C9JNFEA53M01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
4149	97	179	12:50:05.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3545.16 +/- 1	4R3	4	0	4,019,235:18:0	
4150	97	179	12:50:05.400	175LC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,019,235:18:0	
4151	97	179	12:50:05.400	175LC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,019,235:18:0	
4152	97	179	12:50:06.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3545.10 +/- 1	4R3	4	0	4,019,235:19:8	
4153	**97**	**179**	**13:04:06.799**	**C9JNFEA5UM01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
4154	97	179	13:05:02.733	165LD4A	7SCAN	NORM,38.116,17.2	Check S/P Position	4R3	4	0	4,019,249:90:0	
4155	97	179	13:08:54.066	175LD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,019,253:73:0	
4156	97	179	13:08:54.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3545.10 +/- 1	4R3	4	0	4,019,253:73:0	
4157	97	179	13:08:55.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3545.22 +/- 1	4R3	4	0	4,019,253:75:1	
4158	97	179	13:08:56.733	117LD	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,019,253:77:0	
4159	97	179	13:09:00.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3546.45 +/- 1	4R3	4	0	4,019,253:83:0	
4160	97	179	13:09:01.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3546.51 +/- 1	4R3	4	0	4,019,253:84:8	
4161	97	179	13:09:02.733	175LD176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,019,253:86:0	
4162	97	179	13:09:03.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3546.39 +/- 1	4R3	4	0	4,019,253:86:9	
4163	97	179	13:09:03.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3546.39 +/- 1	4R3	4	0	4,019,253:86:9	
4164	**97**	**179**	**13:09:06.066**	**C9JNFEA5UM01-**	**NIMPBK**	**301FD**	**JUPITER FTR TRK 5 MICRON MAP**	**4R3**	**4**	**0**	**: :**	
4165	97	179	13:09:06.066	117LD105A106A4A	7STRP	0.016351,0.0,0,0	Slew =,0.03	4R3	4	0	4,019,254:00:0	
4166	**97**	**179**	**13:18:09.400**	**C9JNFEA5UM01-**	**DESELC**	**300FD**	**JUPITER FTR TRK 5 MICRON MAP**	**4R3**	**4**	**0**	**: :**	
4167	97	179	13:18:12.066	117LD11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,019,263:00:0	
4168	**97**	**179**	**13:18:16.132**	**C9JNFEA5UM01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
4169	97	179	13:18:19.400	175LD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,019,263:11:0	
4170	97	179	13:18:19.400	175LD6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,019,263:11:0	
4171	97	179	13:18:19.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3416.06 +/- 1	4R3	4	0	4,019,263:11:0	
4172	97	179	13:18:20.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3416.00 +/- 1	4R3	4	0	4,019,263:12:8	
4173	**97**	**179**	**13:20:02.799**	**C9JNTHRCYL06-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
4174	97	179	13:22:10.066	127LQ	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,019,266:84:0	
4175	**97**	**179**	**13:22:10.733**	**127LQ4A**	**37ETB**	**,CD,02,03,FF,1A,**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,019,266:85:0**	
4176	97	179	13:22:14.066	165LE4A	7SCAN	NORM,39.636,17.8	Check S/P Position	4R3	4	0	4,019,266:90:0	
4177	97	179	13:22:18.733	127LQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,019,267:06:0	
4178	97	179	13:23:03.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3416.00 +/- 1	4R3	4	0	4,019,267:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4179	97	179	13:23:03.400	175LE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,019,267:73:0	
4180	97	179	13:23:04.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3416.12 +/- 1	4R3	4	0	4,019,267:75:1	
4181	97	179	13:23:06.066	117LE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,019,267:77:0	
4182	97	179	13:23:10.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3417.36 +/- 1	4R3	4	0	4,019,267:83:0	
4183	97	179	13:23:11.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3417.42 +/- 1	4R3	4	0	4,019,267:84:8	
4184	97	179	13:23:12.066	175LE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,019,267:86:0	
4185	97	179	13:23:12.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3417.30 +/- 1	4R3	4	0	4,019,267:86:9	
4186	97	179	13:23:12.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3417.30 +/- 1	4R3	4	0	4,019,267:86:9	
4187	**97**	**179**	**13:23:15.400**	**C9JNTHRCYL06-**	**NIMPBK**	**301FE**	**JUPITER THERMAL CYCLE MAP PART 6**	**4R3**	**4**	**0**	**: :**	
4188	97	179	13:23:15.400	117LE105A106A4A	7STRP	0.040021,0.0,0,0	Slew =,0.03	4R3	4	0	4,019,268:00:0	
4189	**97**	**179**	**13:45:27.400**	**C9JNTHRCYL06-**	**DESELC**	**300FE**	**JUPITER THERMAL CYCLE MAP PART 6**	**4R3**	**4**	**0**	**: :**	
4190	97	179	13:45:37.400	175LE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,019,290:11:0	
4191	97	179	13:45:37.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3102.13 +/- 1	4R3	4	0	4,019,290:11:0	
4192	97	179	13:45:37.400	175LE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,019,290:11:0	
4193	97	179	13:45:38.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3102.07 +/- 1	4R3	4	0	4,019,290:12:8	
4194	97	179	13:45:46.066	117LE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,019,290:24:0	
4195	**97**	**179**	**13:46:03.466**	**C9JNTHRCYL06-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
4196	97	179	13:50:22.066	175MB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,019,294:74:0	
4197	97	179	13:50:22.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3102.07 +/- 1	4R3	4	0	4,019,294:74:0	
4198	97	179	13:50:23.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3102.19 +/- 1	4R3	4	0	4,019,294:76:1	
4199	97	179	13:50:28.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3103.42 +/- 1	4R3	4	0	4,019,294:84:0	
4200	97	179	13:50:29.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3103.48 +/- 1	4R3	4	0	4,019,294:85:8	
4201	97	179	13:50:30.733	282NF431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	4R3	4	0	4,019,294:87:0	
4202	97	179	13:50:30.733	175MB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,019,294:87:0	
4203	97	179	13:50:31.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3103.36 +/- 1	4R3	4	0	4,019,294:87:9	
4204	97	179	13:50:31.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3103.36 +/- 1	4R3	4	0	4,019,294:87:9	
4205	97	179	13:50:33.400	431OC6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4R3	4	0	4,019,295:00:0	
4206	97	179	14:05:42.733	165AS4A	7SCAN	NORM,39.5,14.5,1	Check S/P Position	4R3	4	0	4,019,309:90:0	
4207	**97**	**179**	**14:05:47.466**	**C9JNAURVAR01+**		**-----START------**		**4R3**	**4**	**0**	**: :**	
4208	**97**	**179**	**14:06:39.400**	**125LG4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,019,310:84:0**	
4209	97	179	14:06:39.400	125LG11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,019,310:84:0	
4210	97	179	14:06:39.400	125LG	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,019,310:84:0	
4211	97	179	14:07:40.066	127LG	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,019,311:84:0	
4212	**97**	**179**	**14:07:40.733**	**127LG4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,019,311:85:0**	
4213	97	179	14:07:48.733	127LG11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,019,312:06:0	
4214	**97**	**179**	**14:08:04.733**	**432EM6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,019,312:30:0**	
4215	97	179	14:09:36.733	117AS	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,019,313:77:0	
4216	97	179	14:09:46.066	117AS105A106A4A	7STRP	-0.110446,0.0,0,	Slew =0,0.1	4R3	4	0	4,019,314:00:0	
4217	**97**	**179**	**14:13:06.733**	**432EN6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,019,317:28:0**	
4218	**97**	**179**	**14:14:44.733**	**125LH4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,019,318:84:0**	
4219	97	179	14:14:44.733	125LH	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,019,318:84:0	
4220	97	179	14:14:44.733	125LH11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,019,318:84:0	
4221	97	179	14:29:29.400	117AS105A106A4B	7STRP	0.100335,0.0,0,0	Slew =12.01	4R3	4	0	4,019,333:46:0	
4222	97	179	14:29:59.400	117AS105A106A4C	7STRP	-0.110446,0.0,0,	Slew =0,0.1	4R3	4	0	4,019,334:00:0	
4223	**97**	**179**	**14:40:10.132**	**C9JNAURVAR01+**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
4224	97	179	14:49:42.733	117AS11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,019,353:46:0	
4225	97	179	14:51:15.400	432OC431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	4,019,355:03:0	
4226	97	179	14:51:16.066	432OC6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,019,355:04:0	
4227	97	179	14:51:19.400	282NG431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	4,019,355:09:0	
4228	97	179	14:51:25.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2246.94 +/- 1	4R3	4	0	4,019,355:18:0	
4229	97	179	14:51:25.400	175MB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,019,355:18:0	
4230	97	179	14:51:26.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2246.88 +/- 1	4R3	4	0	4,019,355:19:8	
4231	97	179	14:52:08.733	282NG432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	4,019,355:83:0	
4232	97	179	14:52:09.400	282NG432A6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,019,355:84:0	
4233	97	179	15:00:00.066	488AC6A	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	4R3	4	0	4,019,363:62:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4234	**97**	**179**	**15:00:23.466**	**C9JNTHRCYL07-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
4235	97	179	15:01:19.400	165LF4A	7SCAN	NORM,42.672,18.7	Check S/P Position	4R3	4	0	4,019,364:90:0	
4236	97	179	15:04:17.400	127LF	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,019,367:84:0	
4237	**97**	**179**	**15:04:18.066**	**127LF4A**	**37ETB**	**,CD,02,03,FF,1A,**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,019,367:85:0**	
4238	97	179	15:04:26.066	127LF11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,019,368:06:0	
4239	97	179	15:05:10.733	175LF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,019,368:73:0	
4240	97	179	15:05:10.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2246.88 +/- 1	4R3	4	0	4,019,368:73:0	
4241	97	179	15:05:12.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2247.00 +/- 1	4R3	4	0	4,019,368:75:1	
4242	97	179	15:05:13.400	117LF	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,019,368:77:0	
4243	97	179	15:05:17.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2248.23 +/- 1	4R3	4	0	4,019,368:83:0	
4244	97	179	15:05:18.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2248.29 +/- 1	4R3	4	0	4,019,368:84:8	
4245	97	179	15:05:19.400	175LF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,019,368:86:0	
4246	97	179	15:05:20.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2248.17 +/- 1	4R3	4	0	4,019,368:86:9	
4247	97	179	15:05:20.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2248.17 +/- 1	4R3	4	0	4,019,368:86:9	
4248	97	179	15:05:22.733	117LF105A106A4A	7STRP	0.040472,0.0,0,0	Slew =,0.03	4R3	4	0	4,019,369:00:0	
4249	**97**	**179**	**15:05:22.733**	**C9JNTHRCYL07-**	**NIMPBK**	**301FF**	**JUPITER THERMAL CYCLE MAP PART 7**	**4R3**	**4**	**0**	**: :**	
4250	**97**	**179**	**15:26:51.400**	**C9JNTHRCYL07-**	**DESELC**	**300FF**	**JUPITER THERMAL CYCLE MAP PART 7**	**4R3**	**4**	**0**	**: :**	
4251	97	179	15:27:01.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1943.16 +/- 1	4R3	4	0	4,019,390:37:0	
4252	97	179	15:27:01.400	175LF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,019,390:37:0	
4253	97	179	15:27:01.400	175LF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,019,390:37:0	
4254	97	179	15:27:02.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1943.10 +/- 1	4R3	4	0	4,019,390:38:8	
4255	97	179	15:27:53.400	117LF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,019,391:24:0	
4256	**97**	**179**	**15:33:45.466**	**C9JNGRS09501-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
4257	97	179	15:34:41.400	165LG4A	7SCAN	NORM,46.509,18.3	Check S/P Position	4R3	4	0	4,019,397:90:0	
4258	**97**	**179**	**15:34:46.132**	**C9JNTHRCYL07-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
4259	97	179	15:36:38.733	125DR11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,019,399:84:0	
4260	**97**	**179**	**15:36:38.733**	**125DR4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**4,019,399:84:0**	
4261	97	179	15:36:38.733	125DR	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,019,399:84:0	
4262	**97**	**179**	**15:37:39.400**	**127DR4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,019,400:84:0**	
4263	97	179	15:37:39.400	127DR	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,019,400:84:0	
4264	**97**	**179**	**15:37:40.066**	**127DR4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,019,400:85:0**	
4265	97	179	15:37:48.066	127DR11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,019,401:06:0	
4266	97	179	15:38:32.733	175LG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,401:73:0	
4267	97	179	15:38:32.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1943.10 +/- 1	2R5	4	1	4,019,401:73:0	
4268	97	179	15:38:34.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1943.22 +/- 1	2R5	4	1	4,019,401:75:1	
4269	97	179	15:38:35.400	117LG	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,019,401:77:0	
4270	97	179	15:38:39.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1944.45 +/- 1	2R5	4	1	4,019,401:83:0	
4271	97	179	15:38:40.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1944.51 +/- 1	2R5	4	1	4,019,401:84:8	
4272	97	179	15:38:41.400	175LG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,019,401:86:0	
4273	97	179	15:38:42.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1944.39 +/- 1	2R5	4	1	4,019,401:86:9	
4274	97	179	15:38:42.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1944.39 +/- 1	2R5	4	1	4,019,401:86:9	
4275	**97**	**179**	**15:38:44.733**	**C9JNGRS09501-**	**NIMPBK**	**301FG**	**JUPITER GREAT RED SPOT 95 DEGREE**	**2R5**	**4**	**1**	**: :**	
4276	97	179	15:38:44.733	117LG105A106A4A	7STRP	0.021703,0.0,0,0	Slew =,0.11	2R5	4	1	4,019,402:00:0	
4277	**97**	**179**	**15:42:04.733**	**C9JNGRS09501-**	**DESELC**	**300FG**	**JUPITER GREAT RED SPOT 95 DEGREE**	**2R5**	**4**	**1**	**: :**	
4278	97	179	15:42:04.733	117LG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,019,405:27:0	
4279	97	179	15:42:16.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1894.06 +/- 1	2R5	4	1	4,019,405:45:0	
4280	97	179	15:42:16.733	175LG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,405:45:0	
4281	97	179	15:42:16.733	175LG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,019,405:45:0	
4282	97	179	15:42:17.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1894.00 +/- 1	2R5	4	1	4,019,405:46:8	
4283	97	179	15:42:46.733	165HM4A	7SCAN	NORM,45.511,18.3	Check S/P Position	2R5	4	1	4,019,405:90:0	
4284	97	179	15:43:38.733	117HM	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,019,406:77:0	
4285	97	179	15:43:48.066	176HM6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,019,407:00:0	
4286	97	179	15:43:48.066	117HM105A106A4A	7STRP	-0.026006,0.0,0,	Slew =,0.21	2R5	4	1	4,019,407:00:0	
4287	**97**	**179**	**15:43:52.132**	**C9JNGRS09501-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4288	97	179	15:45:56.066	117HM105A106A4B	7STRP	0.025806,0.0015,	Slew =12.01	2R5	4	1	4,019,409:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4289	97	179	15:46:02.733	117HM105A106A4C	7STRP	-0.026006,0.0,0,	Slew =,0.21	2R5	4	1	4,019,409:20:0	
4290	97	179	15:48:10.733	117HM105A106A4D	7STRP	0.025806,0.0015,	Slew =12.01	2R5	4	1	4,019,411:30:0	
4291	97	179	15:48:17.400	117HM105A106A4E	7STRP	-0.026006,0.0,0,	Slew =,0.21	2R5	4	1	4,019,411:40:0	
4292	97	179	15:50:25.400	117HM105A106A4F	7STRP	0.025806,0.0015,	Slew =12.01	2R5	4	1	4,019,413:50:0	
4293	97	179	15:50:32.066	117HM105A106A4G	7STRP	-0.026006,0.0,0,	Slew =,0.21	2R5	4	1	4,019,413:60:0	
4294	97	179	15:52:40.066	117HM105A106A4H	7STRP	0.025806,0.0015,	Slew =12.01	2R5	4	1	4,019,415:70:0	
4295	97	179	15:52:46.733	117HM105A106A4I	7STRP	-0.026006,0.0,0,	Slew =,0.21	2R5	4	1	4,019,415:80:0	
4296	97	179	15:54:54.066	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R5	4	1	4,019,417:89:0	
4297	97	179	15:54:54.733	117HM105A106A4J	7STRP	0.025806,0.0015,	Slew =12.01	2R5	4	1	4,019,417:90:0	
4298	97	179	15:55:01.400	117HM105A106A4K	7STRP	-0.026006,0.0,0,	Slew =,0.21	2R5	4	1	4,019,418:09:0	
4299	97	179	15:57:09.400	117HM105A106A4L	7STRP	0.025806,0.0015,	Slew =12.01	2R5	4	1	4,019,420:19:0	
4300	97	179	15:57:16.066	117HM105A106A4M	7STRP	-0.026006,0.0,0,	Slew =,0.21	2R5	4	1	4,019,420:29:0	
4301	97	179	15:59:02.066	20ZM6A	6EUVON			2R5	4	1	4,019,422:06:0	
4302	97	179	15:59:24.066	117HM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,019,422:39:0	
4303	97	179	15:59:58.733	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2R5	4	1	4,019,423:00:0	
4304	97	179	16:01:00.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1894.00 +/- 1	2R5	4	1	4,019,424:02:0	
4305	97	179	16:01:00.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,424:02:0	
4306	97	179	16:01:02.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1894.12 +/- 1	2R5	4	1	4,019,424:04:1	
4307	97	179	16:01:07.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1895.36 +/- 1	2R5	4	1	4,019,424:12:0	
4308	97	179	16:01:08.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1895.42 +/- 1	2R5	4	1	4,019,424:13:8	
4309	97	179	16:01:10.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1895.30 +/- 1	2R5	4	1	4,019,424:15:9	
4310	97	179	16:01:36.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1889.19 +/- 1	2R5	4	1	4,019,424:55:0	
4311	97	179	16:01:58.733	176HM6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,019,424:89:0	
4312	97	179	16:01:58.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,424:89:0	
4313	97	179	16:01:58.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1883.88 +/- 1	2R5	4	1	4,019,424:89:0	
4314	97	179	16:01:59.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1883.82 +/- 1	2R5	4	1	4,019,424:90:8	
4315	**97**	**179**	**16:03:04.799**	**C9JNGRS09502-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4316	97	179	16:04:00.733	165LI4A	7SCAN	NORM,46.51,18.65	Check S/P Position	2R5	4	1	4,019,426:90:0	
4317	97	179	16:07:52.066	175LI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,430:73:0	
4318	97	179	16:07:52.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1883.82 +/- 1	2R5	4	1	4,019,430:73:0	
4319	97	179	16:07:53.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1883.94 +/- 1	2R5	4	1	4,019,430:75:1	
4320	97	179	16:07:54.733	117LI	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,019,430:77:0	
4321	97	179	16:07:58.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1885.17 +/- 1	2R5	4	1	4,019,430:83:0	
4322	97	179	16:07:59.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1885.23 +/- 1	2R5	4	1	4,019,430:84:8	
4323	97	179	16:08:00.733	175LI176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,019,430:86:0	
4324	97	179	16:08:01.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1885.11 +/- 1	2R5	4	1	4,019,430:86:9	
4325	97	179	16:08:01.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1885.11 +/- 1	2R5	4	1	4,019,430:86:9	
4326	97	179	16:08:04.066	117LI105A106A4A	7STRP	0.021703,0.0,0,0	Slew =,0.11	2R5	4	1	4,019,431:00:0	
4327	**97**	**179**	**16:08:04.066**	**C9JNGRS09502-**	**NIMPBK**	**301FH**	**JUPITER GREAT RED SPOT 95 DEGREE**	**2R5**	**4**	**1**	**: :**	
4328	97	179	16:11:24.066	117LI105A106A4B	7STRP	-0.021703,0.008,	Slew =12.01	2R5	4	1	4,019,434:27:0	
4329	97	179	16:11:37.400	117LI105A106A4C	7STRP	0.021703,0.0,0,0	Slew =,0.11	2R5	4	1	4,019,434:47:0	
4330	**97**	**179**	**16:14:28.066**	**C9JNGRS09502-**	**DESELC**	**300FH**	**JUPITER GREAT RED SPOT 95 DEGREE**	**2R5**	**4**	**1**	**: :**	
4331	97	179	16:14:38.066	175LI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,019,437:45:0	
4332	97	179	16:14:38.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1792.13 +/- 1	2R5	4	1	4,019,437:45:0	
4333	97	179	16:14:38.066	175LI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,437:45:0	
4334	97	179	16:14:39.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1792.07 +/- 1	2R5	4	1	4,019,437:46:8	
4335	97	179	16:14:57.400	117LI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,019,437:74:0	
4336	**97**	**179**	**16:16:13.466**	**C9JNGRS09502-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4337	97	179	16:59:37.400	165CG4A	7SCAN	NORM,28.769,13.5	Check S/P Position	2R5	4	1	4,019,481:90:0	
4338	97	179	17:03:39.400	165CG4B	7VECT		Inert vect update UTC	2R5	4	1	4,019,485:89:0	
4339	97	179	17:24:54.066	165CH4A	7SCAN	NORM,29.521,13.8	Check S/P Position	2R5	4	1	4,019,506:90:0	
4340	97	179	17:28:56.066	165CH4B	7VECT		Inert vect update UTC	2R5	4	1	4,019,510:89:0	
4341	97	179	17:47:08.733	165HN4A	7SCAN	NORM,48.536,17.2	Check S/P Position	2R5	4	1	4,019,528:90:0	
4342	97	179	17:51:02.733	117HN	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,019,532:77:0	
4343	97	179	17:51:12.066	176HN6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,019,533:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4344	97	179	17:51:12.066	117HN105A106A4A	7STRP	-0.014001,-0.043	Slew =,0.04	2R5	4	1	4,019,533:00:0	
4345	97	179	18:08:24.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1792.07 +/- 1	2R5	4	1	4,019,550:02:0	
4346	97	179	18:08:24.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,550:02:0	
4347	97	179	18:08:26.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1792.19 +/- 1	2R5	4	1	4,019,550:04:1	
4348	97	179	18:08:31.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1793.42 +/- 1	2R5	4	1	4,019,550:12:0	
4349	97	179	18:08:32.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1793.48 +/- 1	2R5	4	1	4,019,550:13:8	
4350	97	179	18:08:34.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1793.36 +/- 1	2R5	4	1	4,019,550:15:9	
4351	97	179	18:09:00.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1787.25 +/- 1	2R5	4	1	4,019,550:55:0	
4352	97	179	18:09:22.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,550:89:0	
4353	97	179	18:09:22.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1781.94 +/- 1	2R5	4	1	4,019,550:89:0	
4354	97	179	18:09:23.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1781.88 +/- 1	2R5	4	1	4,019,550:90:8	
4355	97	179	18:09:24.066	117HN105A106B4A	7STRP	0.001,0.0,0,0,0,	Slew =12.01	2R5	4	1	4,019,551:00:0	
4356	97	179	18:09:30.066	117HN105A106B4B	7STRP	0.0,-0.050042,0,	Slew =,0.04	2R5	4	1	4,019,551:09:0	
4357	97	179	18:26:16.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1781.88 +/- 1	2R5	4	1	4,019,567:62:0	
4358	97	179	18:26:16.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,567:62:0	
4359	97	179	18:26:17.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1782.00 +/- 1	2R5	4	1	4,019,567:64:1	
4360	97	179	18:26:22.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1783.23 +/- 1	2R5	4	1	4,019,567:72:0	
4361	97	179	18:26:23.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1783.29 +/- 1	2R5	4	1	4,019,567:73:8	
4362	97	179	18:26:25.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1783.17 +/- 1	2R5	4	1	4,019,567:75:9	
4363	97	179	18:26:50.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1777.22 +/- 1	2R5	4	1	4,019,568:23:0	
4364	97	179	18:27:13.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,568:57:0	
4365	97	179	18:27:13.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1771.91 +/- 1	2R5	4	1	4,019,568:57:0	
4366	97	179	18:27:14.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1771.85 +/- 1	2R5	4	1	4,019,568:58:8	
4367	97	179	18:30:36.733	117HN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,019,571:89:0	
4368	97	179	18:31:37.400	176HN6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,019,572:89:0	
4369	97	179	18:31:39.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,573:01:0	
4370	97	179	18:31:39.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1771.85 +/- 1	2R5	4	1	4,019,573:01:0	
4371	97	179	18:31:40.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1771.97 +/- 1	2R5	4	1	4,019,573:03:1	
4372	97	179	18:31:46.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1773.20 +/- 1	2R5	4	1	4,019,573:11:0	
4373	97	179	18:31:47.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1773.26 +/- 1	2R5	4	1	4,019,573:12:8	
4374	97	179	18:31:48.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1773.14 +/- 1	2R5	4	1	4,019,573:14:9	
4375	97	179	18:31:49.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1772.97 +/- 1	2R5	4	1	4,019,573:16:0	
4376	97	179	18:32:02.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,573:35:0	
4377	97	179	18:32:02.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1770.00 +/- 1	2R5	4	1	4,019,573:35:0	
4378	97	179	18:32:03.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1769.94 +/- 1	2R5	4	1	4,019,573:36:8	
4379	97	179	18:32:38.733	165JO4A	7SCAN	NORM,31.312,14.4	Check S/P Position	2R5	4	1	4,019,573:90:0	
4380	97	179	18:35:40.066	165JO4B	7VECT		Inert vect update UTC	2R5	4	1	4,019,576:89:0	
4381	97	179	18:35:45.400	118JQ	**SMOS**	GS		2R5	4	1	4,019,577:06:0	
4382	97	179	18:35:58.066	118JQ110A111A4A	7STRP	-0.0035,0.0,92,0	Slew =,3.01	2R5	4	1	4,019,577:25:0	
4383	97	179	18:36:28.733	118JQ11A	**SMOS**	GE		2R5	4	1	4,019,577:71:0	
4384	97	179	18:36:33.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1769.94 +/- 1	2R5	4	1	4,019,577:78:0	
4385	97	179	18:36:33.400	175JM422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	4,019,577:78:0	
4386	97	179	18:36:34.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1770.06 +/- 1	2R5	4	1	4,019,577:80:1	
4387	97	179	18:36:40.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1771.30 +/- 1	2R5	4	1	4,019,577:88:0	
4388	97	179	18:36:41.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1771.36 +/- 1	2R5	4	1	4,019,577:89:8	
4389	97	179	18:36:44.733	175JM176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R5	4	1	4,019,578:04:0	
4390	97	179	18:36:45.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1765.06 +/- 1	2R5	4	1	4,019,578:04:8	
4391	97	179	18:36:45.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1765.06 +/- 1	2R5	4	1	4,019,578:04:8	
4392	97	179	18:37:13.400		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1666.15 +/- 1	2R5	4	1	4,019,578:47:0	
4393	97	179	18:37:13.400	175JM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,578:47:0	
4394	97	179	18:37:14.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1665.15 +/- 1	2R5	4	1	4,019,578:48:8	
4395	**97**	**179**	**18:37:46.799**	**C9INCHEMIS06-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4396	97	179	18:38:42.733	165LK4A	7SCAN	NORM,31.699,14.7	Check S/P Position	2R5	4	1	4,019,579:90:0	
4397	**97**	**179**	**18:41:40.733**	**127EL4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,019,582:84:0**	
4398	97	179	18:41:40.733	127EL	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,019,582:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4399	**97**	**179**	**18:41:41.400**	**127EL4B**	**37ETB**	**07,C7,02,25,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,019,582:85:0**	
4400	97	179	18:41:49.400	127EL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,019,583:06:0	
4401	97	179	18:42:34.066	175LK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,019,583:73:0	
4402	97	179	18:42:34.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1665.15 +/- 1	2R3	4	0	4,019,583:73:0	
4403	97	179	18:42:35.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1665.27 +/- 1	2R3	4	0	4,019,583:75:1	
4404	97	179	18:42:36.733	117LK	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,019,583:77:0	
4405	97	179	18:42:40.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1666.50 +/- 1	2R3	4	0	4,019,583:83:0	
4406	97	179	18:42:41.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1666.56 +/- 1	2R3	4	0	4,019,583:84:8	
4407	97	179	18:42:42.733	175LK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,019,583:86:0	
4408	97	179	18:42:43.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1666.44 +/- 1	2R3	4	0	4,019,583:86:9	
4409	97	179	18:42:43.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1666.44 +/- 1	2R3	4	0	4,019,583:86:9	
4410	**97**	**179**	**18:42:46.066**	**C9INCHEMIS06-**	**NIMPBK**	**301FJ**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
4411	97	179	18:42:46.066	117LK105A106A4A	7STRP	0.00115,0.0,0,0,	Slew =,0.02	2R3	4	0	4,019,584:00:0	
4412	97	179	18:43:59.400	117LK105A106A4B	7STRP	-0.0004,0.0,0,0,	Slew =12.01	2R3	4	0	4,019,585:19:0	
4413	97	179	18:44:08.066	117LK105A106A4C	7STRP	0.00115,0.0,0,0,	Slew =,0.02	2R3	4	0	4,019,585:32:0	
4414	**97**	**179**	**18:45:21.400**	**C9INCHEMIS06-**	**DESELC**	**300FJ**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
4415	97	179	18:45:21.400	117LK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,019,586:51:0	
4416	97	179	18:46:38.066	175LK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,019,587:75:0	
4417	97	179	18:46:38.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1611.43 +/- 1	2R3	4	0	4,019,587:75:0	
4418	97	179	18:46:38.066	175LK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,019,587:75:0	
4419	97	179	18:46:39.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1611.37 +/- 1	2R3	4	0	4,019,587:76:8	
4420	**97**	**179**	**18:47:53.466**	**C9INCHEMIS06-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
4421	97	179	19:15:06.733	165CI4A	7SCAN	NORM,33.052,15.2	Check S/P Position	2R3	4	0	4,019,615:90:0	
4422	97	179	19:19:08.733	165CI4B	7VECT		Inert vect update UTC	2R3	4	0	4,019,619:89:0	
4423	97	179	19:33:18.733	165HO4A	7SCAN	NORM,98.799,25.0	Check S/P Position	2R3	4	0	4,019,633:90:0	
4424	97	179	19:37:12.733	117HO	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,019,637:77:0	
4425	97	179	19:37:22.066	176HO6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,019,638:00:0	
4426	97	179	19:37:22.066	117HO105A106A4A	7STRP	0.0,-0.004,0,0,0	Slew =,0.34	2R3	4	0	4,019,638:00:0	
4427	97	179	19:37:43.400	117HO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,019,638:32:0	
4428	97	179	19:37:55.400	176HO6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,019,638:50:0	
4429	97	179	19:37:57.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1611.37 +/- 1	2R3	4	0	4,019,638:53:0	
4430	97	179	19:37:57.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,019,638:53:0	
4431	97	179	19:37:58.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1611.49 +/- 1	2R3	4	0	4,019,638:55:1	
4432	97	179	19:38:04.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1612.72 +/- 1	2R3	4	0	4,019,638:63:0	
4433	97	179	19:38:05.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1612.78 +/- 1	2R3	4	0	4,019,638:64:8	
4434	97	179	19:38:06.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1612.66 +/- 1	2R3	4	0	4,019,638:66:9	
4435	97	179	19:38:07.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1612.49 +/- 1	2R3	4	0	4,019,638:68:0	
4436	97	179	19:38:17.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,019,638:83:0	
4437	97	179	19:38:17.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1610.15 +/- 1	2R3	4	0	4,019,638:83:0	
4438	97	179	19:38:18.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1610.09 +/- 1	2R3	4	0	4,019,638:84:8	
4439	97	179	19:48:28.733	165CJ4A	7SCAN	NORM,34.231,15.6	Check S/P Position	2R3	4	0	4,019,648:90:0	
4440	97	179	20:00:00.733	282NH432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	4,019,660:36:0	
4441	97	179	20:00:01.400	282NH432A6A	6RTSL1		R/T Select of DDS and	2R3	4	0	4,019,660:37:0	
4442	97	179	20:02:47.400	488AC6B	6TMSED	NORM,IL7	Sci, Eng, and D/L Chan	2R3	4	0	4,019,663:13:0	
4443	**97**	**179**	**20:06:45.466**	**C9JNWINDOW03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
4444	97	179	20:15:00.066	488AC6C	6TMSED	NORM,FL7	Sci, Eng, and D/L Chan	2R3	4	0	4,019,675:20:0	
4445	97	179	20:43:19.400	488AC6D	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	2R3	4	0	4,019,703:21:0	
4446	**97**	**179**	**20:55:17.466**	**C9JNFEA10201-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
4447	97	179	20:56:13.400	165LQ4A	7SCAN	NORM,54.085,21.7	Check S/P Position	2R3	4	0	4,019,715:90:0	
4448	**97**	**179**	**20:59:11.400**	**127EM4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,019,718:84:0**	
4449	97	179	20:59:11.400	127EM	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,019,718:84:0	
4450	**97**	**179**	**20:59:12.066**	**127EM4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,019,718:85:0**	
4451	97	179	20:59:20.066	127EM11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,019,719:06:0	
4452	97	179	21:00:04.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1610.09 +/- 1	2R5	4	1	4,019,719:73:0	
4453	97	179	21:00:04.733	175LQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,719:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4454	97	179	21:00:06.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1610.21 +/- 1	2R5	4	1	4,019,719:75:1	
4455	97	179	21:00:07.400	117LQ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,019,719:77:0	
4456	97	179	21:00:11.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1611.44 +/- 1	2R5	4	1	4,019,719:83:0	
4457	97	179	21:00:12.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1611.50 +/- 1	2R5	4	1	4,019,719:84:8	
4458	97	179	21:00:13.400	175LQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,019,719:86:0	
4459	97	179	21:00:14.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1611.38 +/- 1	2R5	4	1	4,019,719:86:9	
4460	97	179	21:00:14.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1611.38 +/- 1	2R5	4	1	4,019,719:86:9	
4461	97	179	21:00:16.733	117LQ105A106A4A	7STRP	0.021904,0.0,0,0	Slew =,0.11	2R5	4	1	4,019,720:00:0	
4462	**97**	**179**	**21:00:16.733**	**C9JNFEA10201-**	**NIMPBK**	**301FL**	**JUPITER FTR TRK 102 DEG PHASE PA**	**2R5**	**4**	**1**	**: :**	
4463	**97**	**179**	**21:03:36.733**	**C9JNFEA10201-**	**DESELC**	**300FL**	**JUPITER FTR TRK 102 DEG PHASE PA**	**2R5**	**4**	**1**	**: :**	
4464	97	179	21:03:36.733	117LQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,019,723:27:0	
4465	97	179	21:03:48.733	175LQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,723:45:0	
4466	97	179	21:03:48.733	175LQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,019,723:45:0	
4467	97	179	21:03:48.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1561.05 +/- 1	2R5	4	1	4,019,723:45:0	
4468	97	179	21:03:49.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1560.99 +/- 1	2R5	4	1	4,019,723:46:8	
4469	97	179	21:04:18.733	165HP4A	7SCAN	NORM,52.801,21.8	Check S/P Position	2R5	4	1	4,019,723:90:0	
4470	**97**	**179**	**21:04:23.466**	**C9JNFEA10201-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4471	97	179	21:08:12.733	117HP	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,019,727:77:0	
4472	97	179	21:08:22.066	176HP6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,019,728:00:0	
4473	97	179	21:08:22.066	117HP105A106A4A	7STRP	-0.024405,0.0,0,	Slew =,0.21	2R5	4	1	4,019,728:00:0	
4474	97	179	21:10:19.400	117HP105A106A4B	7STRP	0.024405,0.0013,	Slew =12.01	2R5	4	1	4,019,729:85:0	
4475	97	179	21:10:26.066	117HP105A106A4C	7STRP	-0.024405,0.0,0,	Slew =,0.21	2R5	4	1	4,019,730:04:0	
4476	97	179	21:12:23.400	117HP105A106A4D	7STRP	0.024405,0.0013,	Slew =12.01	2R5	4	1	4,019,731:89:0	
4477	97	179	21:12:30.066	117HP105A106A4E	7STRP	-0.024405,0.0,0,	Slew =,0.21	2R5	4	1	4,019,732:08:0	
4478	97	179	21:14:27.400	117HP105A106A4F	7STRP	0.024405,0.0013,	Slew =12.01	2R5	4	1	4,019,734:02:0	
4479	97	179	21:14:34.066	117HP105A106A4G	7STRP	-0.024405,0.0,0,	Slew =,0.21	2R5	4	1	4,019,734:12:0	
4480	97	179	21:16:31.400	117HP105A106A4H	7STRP	0.024405,0.0013,	Slew =12.01	2R5	4	1	4,019,736:06:0	
4481	97	179	21:16:38.066	117HP105A106A4I	7STRP	-0.024405,0.0,0,	Slew =,0.21	2R5	4	1	4,019,736:16:0	
4482	97	179	21:18:35.400	117HP105A106A4J	7STRP	0.024405,0.0013,	Slew =12.01	2R5	4	1	4,019,738:10:0	
4483	97	179	21:18:42.066	117HP105A106A4K	7STRP	-0.024405,0.0,0,	Slew =,0.21	2R5	4	1	4,019,738:20:0	
4484	97	179	21:20:39.400	117HP105A106A4L	7STRP	0.024405,0.0013,	Slew =12.01	2R5	4	1	4,019,740:14:0	
4485	97	179	21:20:46.066	117HP105A106A4M	7STRP	-0.024405,0.0,0,	Slew =,0.21	2R5	4	1	4,019,740:24:0	
4486	97	179	21:22:43.400	117HP105A106A4N	7STRP	0.024405,0.0013,	Slew =12.01	2R5	4	1	4,019,742:18:0	
4487	97	179	21:22:50.066	117HP105A106A4O	7STRP	-0.024405,0.0,0,	Slew =,0.21	2R5	4	1	4,019,742:28:0	
4488	97	179	21:24:47.400	117HP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,019,744:22:0	
4489	97	179	21:25:34.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,745:02:0	
4490	97	179	21:25:34.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1560.99 +/- 1	2R5	4	1	4,019,745:02:0	
4491	97	179	21:25:36.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1561.11 +/- 1	2R5	4	1	4,019,745:04:1	
4492	97	179	21:25:41.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1562.35 +/- 1	2R5	4	1	4,019,745:12:0	
4493	97	179	21:25:42.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1562.41 +/- 1	2R5	4	1	4,019,745:13:8	
4494	97	179	21:25:44.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1562.29 +/- 1	2R5	4	1	4,019,745:15:9	
4495	97	179	21:26:10.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1556.18 +/- 1	2R5	4	1	4,019,745:55:0	
4496	97	179	21:26:32.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,745:89:0	
4497	97	179	21:26:32.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1550.87 +/- 1	2R5	4	1	4,019,745:89:0	
4498	97	179	21:26:33.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1550.81 +/- 1	2R5	4	1	4,019,745:90:8	
4499	**97**	**179**	**21:29:40.132**	**C9JNWINDOW03-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4500	97	179	21:30:38.733	176HP6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,019,750:03:0	
4501	97	179	21:30:40.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,750:06:0	
4502	97	179	21:30:40.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1550.81 +/- 1	2R5	4	1	4,019,750:06:0	
4503	97	179	21:30:42.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1550.93 +/- 1	2R5	4	1	4,019,750:08:1	
4504	97	179	21:30:47.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1552.16 +/- 1	2R5	4	1	4,019,750:16:0	
4505	97	179	21:30:48.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1552.22 +/- 1	2R5	4	1	4,019,750:17:8	
4506	97	179	21:30:50.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1552.10 +/- 1	2R5	4	1	4,019,750:19:9	
4507	97	179	21:30:50.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1551.93 +/- 1	2R5	4	1	4,019,750:21:0	
4508	97	179	21:31:03.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1548.96 +/- 1	2R5	4	1	4,019,750:40:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4509	97	179	21:31:03.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,750:40:0	
4510	97	179	21:31:04.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1548.90 +/- 1	2R5	4	1	4,019,750:41:8	
4511	**97**	**179**	**21:35:44.133**	**C9JNFEA10202-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4512	97	179	21:36:40.066	165LR4A	7SCAN	NORM,53.913,21.9	Check S/P Position	2R5	4	1	4,019,755:90:0	
4513	97	179	21:40:31.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1548.90 +/- 1	2R5	4	1	4,019,759:73:0	
4514	97	179	21:40:31.400	175LR422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,019,759:73:0	
4515	97	179	21:40:32.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1549.02 +/- 1	2R5	4	1	4,019,759:75:1	
4516	97	179	21:40:34.066	117LR	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,019,759:77:0	
4517	97	179	21:40:38.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1550.25 +/- 1	2R5	4	1	4,019,759:83:0	
4518	97	179	21:40:39.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1550.31 +/- 1	2R5	4	1	4,019,759:84:8	
4519	97	179	21:40:40.066	175LR176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,019,759:86:0	
4520	97	179	21:40:40.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1550.19 +/- 1	2R5	4	1	4,019,759:86:9	
4521	97	179	21:40:40.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1550.19 +/- 1	2R5	4	1	4,019,759:86:9	
4522	97	179	21:40:43.400	117LR105A106A4A	7STRP	0.021904,0.0,0,0	Slew =,0.11	2R5	4	1	4,019,760:00:0	
4523	**97**	**179**	**21:40:43.400**	**C9JNFEA10202-**	**NIMPBK**	**301FM**	**JUPITER FTR TRK 102 DEG PHASE PA**	**2R5**	**4**	**1**	**: :**	
4524	97	179	21:44:03.400	117LR105A106A4B	7STRP	-0.021904,0.008,	Slew =12.01	2R5	4	1	4,019,763:27:0	
4525	**97**	**179**	**21:44:03.400**	**C9JNFEA10202-**	**DESELC**	**300FM**	**JUPITER FTR TRK 102 DEG PHASE PA**	**2R5**	**4**	**1**	**: :**	
4526	97	179	21:44:16.733	117LR105A106A4C	7STRP	0.021904,0.0,0,0	Slew =,0.11	2R5	4	1	4,019,763:47:0	
4527	97	179	21:47:36.733	117LR11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,019,766:74:0	
4528	97	179	21:48:08.066	175LR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,019,767:30:0	
4529	97	179	21:48:08.066	175LR6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,019,767:30:0	
4530	97	179	21:48:08.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1445.34 +/- 1	2R5	4	1	4,019,767:30:0	
4531	97	179	21:48:09.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1445.28 +/- 1	2R5	4	1	4,019,767:31:8	
4532	97	179	21:48:48.066	165CK4A	7SCAN	NORM,38.274,17.0	Check S/P Position	2R5	4	1	4,019,767:90:0	
4533	**97**	**179**	**21:48:52.799**	**C9JNFEA10202-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4534	97	179	21:52:50.066	165CK4B	7VECT		Inert vect update UTC	2R5	4	1	4,019,771:89:0	
4535	**97**	**179**	**21:52:55.466**	**C9NNCHOPOF01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4536	97	179	21:53:47.400	127FZ	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,019,772:84:0	
4537	**97**	**179**	**21:53:47.400**	**127FZ4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**2R0**	**4**	**0**	**4,019,772:84:0**	
4538	**97**	**179**	**21:53:48.066**	**127FZ4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**2R0**	**4**	**0**	**4,019,772:85:0**	
4539	97	179	21:53:56.066	127FZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R0	4	0	4,019,773:06:0	
4540	97	179	21:54:52.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1445.28 +/- 1	2R0	4	0	4,019,774:00:0	
4541	97	179	21:54:52.733		DMS:	: *SLEW-TIC	P7, TRACK *2, REV, TIC 1445.28 +/- 1	2R0	4	0	4,019,774:00:0	
4542	97	179	21:54:52.733	465KH6A	6DMST	300	DMS Slew to TIC	2R0	4	0	4,019,774:00:0	
4543	97	179	21:54:54.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1445.40 +/- 1	2R0	4	0	4,019,774:02:1	
4544	97	179	21:54:59.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1446.63 +/- 1	2R0	4	0	4,019,774:10:0	
4545	97	179	21:55:00.600		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC *1446.69 +/- 1	2R0	4	0	4,019,774:11:8	
4546	97	179	21:55:02.000		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC *1446.57 +/- 1	2R0	4	0	4,019,774:13:9	
4547	97	179	21:57:59.400	488AD6A	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	2R0	4	0	4,019,777:07:0	
4548	**97**	**179**	**21:58:50.733**	**125FZ4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**4,019,777:84:0**	
4549	97	179	21:58:50.733	125FZ	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,019,777:84:0	
4550	**97**	**179**	**21:59:51.400**	**125FZ4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**4,019,778:84:0**	
4551	97	179	22:00:52.066	125FZ11A	NIMSINIT	GE	##### GROUP END INIT	260	4	0	4,019,779:84:0	
4552	**97**	**179**	**22:00:52.066**	**125FZ4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**2O0**	**4**	**0**	**4,019,779:84:0**	
4553	**97**	**179**	**22:04:02.799**	**C9NNCHOPOF01-**		**-----STOP-------**		**2O0**	**4**	**0**	**: :**	
4554	97	179	22:23:35.400	488AD6B	6TMSED	NORM,FL4	Sci, Eng, and D/L Chan	2O0	4	0	4,019,802:36:0	
4555	97	179	22:33:17.400	165CL4A	7SCAN	NORM,40.335,17.7	Check S/P Position	2O0	4	0	4,019,811:90:0	
4556	97	179	22:35:18.066	165CL4B	7VECT		Inert vect update UTC	2O0	4	0	4,019,813:89:0	
4557	97	179	22:59:51.400	488AD6C	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	2O0	4	0	4,019,838:24:0	
4558	97	179	23:16:24.200		DMS:	**: *RUNDOWN**	P7, TRACK 2, REV, TIC * 302.06 +/- 1	2O0	4	0	4,019,854:57:2	
4559	97	179	23:16:25.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 302.00 +/- 1	2O0	4	0	4,019,854:59:0	
4560	97	179	23:24:52.066	465KJ6A	6DMSC	RDY,2	DMS Control Tape stop	2O0	4	0	4,019,863:00:0	
4561	97	179	23:25:11.400	488AD6D	6TMSED	FILL,FL5	Sci, Eng, and D/L Chan	2O0	4	0	4,019,863:29:0	
4562	97	179	23:29:48.733		DMS:	: *DMS-TURN	P7, TRACK 2, REV, TIC 302.00 +/- 1	2O0	4	0	4,019,867:81:0	
4563	97	179	23:29:48.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 302.00 +/- 1	2O0	4	0	4,019,867:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4564	97	179	23:29:48.733	465KI6A	6DTRN	CMD,6DTRN,465KI6	DMS TRACK TURNAROUND	2O0	4	0	4,019,867:81:0	
4565	97	179	23:29:50.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 302.12 +/- 1	2O0	4	0	4,019,867:83:1	
4566	97	179	23:29:55.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 303.35 +/- 1	2O0	4	0	4,019,868:00:0	
4567	97	179	23:29:56.600		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC * 303.41 +/- 1	2O0	4	0	4,019,868:01:8	
4568	97	179	23:29:58.000		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC * 303.29 +/- 1	2O0	4	0	4,019,868:03:9	
4569	97	179	23:35:47.400	165CM4A	7SCAN	NORM,42.824,18.5	Check S/P Position	2O0	4	0	4,019,873:73:0	
4570	97	179	23:37:19.200		DMS:	: *REVERSE	P7, TRACK 2, REV, TIC * 199.87 +/- 1	2O0	4	0	4,019,875:28:7	
4571	97	179	23:37:20.400		DMS:	: *RUNUP	P7, TRACK 3, FWD, TIC 199.81 +/- 1	2O0	4	0	4,019,875:30:5	
4572	97	179	23:37:20.400		DMS:	: *TURNARND	P7, TRACK *3, *FWD, TIC * 199.81 +/- 1	2O0	4	0	4,019,875:30:5	
4573	97	179	23:37:21.800		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC * 199.93 +/-	2O0	4	0	4,019,875:32:6	
4574	97	179	23:37:33.800		DMS:	: *AUTOSTOP	P7, TRACK 3, FWD, TIC * 202.06 +/-	2O0	4	0	4,019,875:50:6	
4575	97	179	23:37:35.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 202.12 +/-	2O0	4	0	4,019,875:52:4	
4576	97	179	23:54:17.400	488AD6E	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	2O0	4	0	4,019,892:09:0	
4577	97	179	23:58:02.066	165CN4A	7SCAN	NORM,43.73,18.77	Check S/P Position	2O0	4	0	4,019,895:73:0	
4578	97	180	00:36:38.733	165BK4A	7SCAN	NORM,47.003,20.1	Check S/P Position	2O0	4	0	4,019,933:90:0	
4579	97	180	00:40:07.400	488AE6A	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	2O0	4	0	4,019,937:39:0	
4580	97	180	01:45:00.066	488AE6B	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2O0	4	0	4,020,001:54:0	
4581	97	180	05:02:31.400	488AE6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,020,196:86:0	
4582	97	180	05:47:56.066	488AE6D	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,020,241:78:0	
4583	97	180	05:51:35.400	488AE6E	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	2O0	4	0	4,020,245:43:0	
4584	97	180	05:59:36.733	488AF6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2O0	4	0	4,020,253:37:0	
4585	97	180	06:19:19.400	488AF6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,020,272:82:0	
4586	97	180	07:10:10.733	488AF6C	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,020,323:18:0	
4587	97	180	07:39:16.733	488AF6D	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,020,351:89:0	
4588	97	180	08:59:19.400	488AF6E	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2O0	4	0	4,020,431:13:0	
4589	97	180	10:50:42.066	488AG6A	6TMSED	FILL,EL6	Sci, Eng, and D/L Chan	2O0	4	0	4,020,541:27:0	
4590	97	180	10:54:31.400	488AG6B	6TMSED	FILL,EL8	Sci, Eng, and D/L Chan	2O0	4	0	4,020,545:07:0	
4591	97	180	10:56:11.400	488AG6C	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	2O0	4	0	4,020,546:66:0	
4592	97	180	12:00:00.000	488AG6D	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	2O0	4	0	4,020,609:76:0	
4593	97	180	12:00:00.666	282NI432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2O0	4	0	4,020,609:77:0	
4594	97	180	12:00:01.333	282NI432A6A	6RTSL1		R/T Select of DDS and	2O0	4	0	4,020,609:78:0	
4595	97	180	15:23:37.333	488AG6E	6TMSED	FILL,IL8	Sci, Eng, and D/L Chan	2O0	4	0	4,020,811:20:0	
4596	97	180	15:47:02.000	488AH6A	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	2O0	4	0	4,020,834:34:0	
4597	97	180	15:52:47.333	20BA4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	4,020,840:06:0	
4598	97	180	15:59:00.666	282NJ432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2O0	4	0	4,020,846:20:0	
4599	97	180	15:59:01.333	282NJ432A6A	6RTSL1		R/T Select of DDS and	2O0	4	0	4,020,846:21:0	
4600	**97**	**180**	**16:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**4,020,847:18:0**	
4601	**97**	**180**	**16:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**4,020,847:18:0**	
4602	**97**	**180**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**4,020,847:18:0**	
4603	**97**	**180**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**4,020,847:18:0**	
4604	**97**	**180**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,020,847:18:0**	
4605	**97**	**180**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,020,847:18:0**	
4606	**97**	**180**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,020,847:18:0**	
4607	**97**	**180**	**16:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**4,020,847:18:0**	
4608	**97**	**180**	**16:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**4,020,847:18:0**	
4609	97	180	16:00:00.000		DMS:	: READY	RDY, TRACK 3, FWD, TIC 202.12 +/-	2O0	4	0	4,020,847:18:0	

Sequence:	C09B-AR	Created: 7/29/97	Begin: 97-180/16:00:00 Finish: 97-209/16:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM MF I
1	**97**	**180**	**16:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**		**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**4,020,847:18:0**
2	97	180	16:00:00.000		DMS:	: READY		RDY, TRACK 3, FWD, TIC 202.12 +/-	2O0	4	0	4,020,847:18:0
3	**97**	**180**	**16:00:00.000**	**20A3EW**	**37A**	**Initial Condition**		**NIMS Power ON**	**2O0**	**4**	**0**	**4,020,847:18:0**
4	**97**	**180**	**16:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**		**Replacement Heaters OFF**	**2O0**	**4**	**0**	**4,020,847:18:0**
5	**97**	**180**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**		**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**4,020,847:18:0**
6	**97**	**180**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**		**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**4,020,847:18:0**
7	**97**	**180**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**		**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,020,847:18:0**
8	**97**	**180**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**		**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,020,847:18:0**
9	**97**	**180**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**		**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,020,847:18:0**
10	**97**	**180**	**16:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**		**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**4,020,847:18:0**
11	97	180	16:01:43.333	418JA6B	6BUFHI		10	MUB Buffer high water	2O0	4	0	4,020,848:82:0
12	97	180	16:01:43.333	418JA6A	6BUFLO		2	MUB Buffer low water m	2O0	4	0	4,020,848:82:0
13	**97**	**180**	**16:01:48.000**	**432JB6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**		**NIMS R/T DESELECT**	**2O0**	**4**	**0**	**4,020,848:89:0**
14	97	180	16:01:48.666	432JB431A6A	6RCDSL	DDSDSL,PLSDSL,EP		Record Deselect (DDS o	2O0	4	0	4,020,848:90:0
15	**97**	**180**	**16:01:49.333**	**432JB6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**		**AACS SELECT**	**2O0**	**4**	**0**	**4,020,849:00:0**
16	97	180	16:01:49.333	432JB6C	6RTSL1			R/T Select of DDS and	2O0	4	0	4,020,849:00:0
17	97	180	16:02:02.000	488AA6A	6TMSED	NORM,AL8		Sci, Eng, and D/L Chan	2O0	4	0	4,020,849:19:0
18	97	180	16:05:00.000	444UA443A4A	**7MODE**	**CRU**		**AACS CRUISE MODE**	2O0	4	0	4,020,852:13:0
19	97	180	16:10:00.000	41SQ99A	POWER	PWR MODE change		Change to Maneuver/Playback Mode	2O0	4	0	4,020,857:08:0
20	**97**	**180**	**16:11:54.000**	**41SQ3G**	**40T1P**		**1**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**4,020,858:88:0**
21	**97**	**180**	**16:12:04.000**	**41SQ3H**	**40T1P**		**2**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**4,020,859:12:0**
22	**97**	**180**	**16:12:14.000**	**41SQ3I**	**40T2**		**1**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**4,020,859:27:0**
23	**97**	**180**	**16:12:24.000**	**41SQ3J**	**40T2**		**2**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**4,020,859:42:0**
24	97	180	16:15:04.000	20UA4A	**7SAFE**	**STOP**		**S/P NO MOVEMENT**	2O0	4	0	4,020,862:09:0
25	97	180	16:15:54.000	20UA4B	7SLEW	DIS,POS,0.0		Stator movement	2O0	4	0	4,020,862:84:0
26	97	180	16:18:00.000	176SA6A	6TMREC	**IPB**		INITIATE PLAYBACK (PB CONTROL) Record Mod	2O0	4	0	4,020,865:00:0
27	97	180	20:36:55.333	488AA6B	6TMSED	NORM,AL7		Sci, Eng, and D/L Chan	2O0	4	0	4,021,121:07:0
28	97	180	21:43:03.333	488AA6C	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	2O0	4	0	4,021,186:44:0
29	97	180	22:17:11.333	488AB6A	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	2O0	4	0	4,021,220:22:0
30	97	180	22:40:39.333	488AB6B	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	2O0	4	0	4,021,243:41:0
31	97	180	23:36:07.333	488AB6C	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	2O0	4	0	4,021,298:28:0
32	97	181	03:07:06.666	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP		Record Deselect (DDS o	2O0	4	0	4,021,506:89:0
33	97	181	03:10:16.666	20YC6A	6HICON				2O0	4	0	4,021,510:10:0
34	97	181	03:11:10.666	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP		Record Select (DDS onl	2O0	4	0	4,021,511:00:0
35	97	181	03:11:30.000	20OB6A	6HICON				2O0	4	0	4,021,511:29:0
36	97	181	03:12:11.333	176BA6A	6TMREC	**PPB**		PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	4,021,512:00:0
37	97	181	03:15:12.666	165BL4A	7SCAN	NORM,317.743999,		Check S/P Position	2O0	4	0	4,021,514:90:0
38	97	181	03:16:30.000	432OZ6A	6RTSL1			R/T Select of DDS and	2O0	4	0	4,021,516:24:0
39	97	181	03:19:20.000	20UG4A	**7SAFE**	**STOP**		**S/P NO MOVEMENT**	2O0	4	0	4,021,519:06:0
40	97	181	03:20:10.000	20UG4B	7SLEW	DIS,POS,0.0		Stator movement	2O0	4	0	4,021,519:81:0
41	97	181	03:21:17.333	176BB6A	6TMREC	**RPB**		RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	4,021,521:00:0
42	97	181	05:43:03.333	488AC6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	2O0	4	0	4,021,661:19:0
43	97	181	06:19:19.333	488AC6B	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	2O0	4	0	4,021,697:07:0
44	97	181	10:46:26.000	488AC6C	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	2O0	4	0	4,021,961:23:0
45	97	181	10:50:15.333	488AC6D	6TMSED	FILL,AL8		Sci, Eng, and D/L Chan	2O0	4	0	4,021,965:03:0
46	97	181	10:51:55.333	488AC6E	6TMSED	NORM,AL8		Sci, Eng, and D/L Chan	2O0	4	0	4,021,966:62:0
47	97	181	11:23:04.000	488AD6A	6TMSED	FILL,AL8		Sci, Eng, and D/L Chan	2O0	4	0	4,021,997:44:0
48	97	181	12:28:28.666	488AD6B	6TMSED	NORM,AL8		Sci, Eng, and D/L Chan	2O0	4	0	4,022,062:16:0
49	97	181	20:32:39.266	488AE6A	6TMSED	NORM,AL7		Sci, Eng, and D/L Chan	2O0	4	0	4,022,541:03:0
50	97	181	21:43:03.266	488AE6B	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	2O0	4	0	4,022,610:60:0
51	97	181	22:17:11.266	488AE6C	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	2O0	4	0	4,022,644:38:0
52	97	181	22:55:35.266	488AE6D	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	2O0	4	0	4,022,682:36:0
53	97	181	23:45:05.266	488AE6E	6TMSED	FILL,AL5		Sci, Eng, and D/L Chan	2O0	4	0	4,022,731:32:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	97	182	00:14:11.333	488AF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,022,760:14:0	
55	97	182	01:20:38.000	488AF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,022,825:79:0	
56	97	182	04:02:46.000	488AF6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,022,986:20:0	
57	97	182	06:15:02.000	488AG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,023,117:03:0	
58	97	182	06:51:27.333	488AG6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,023,153:05:0	
59	97	182	07:18:17.333	488AG6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,023,179:54:0	
60	97	182	10:42:08.666	488AG6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,023,381:19:0	
61	97	182	10:45:58.000	488AG6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,023,384:90:0	
62	97	182	10:47:38.000	488AH6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,023,386:58:0	
63	97	182	20:32:38.000	488AI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,023,965:19:0	
64	97	182	21:43:02.000	488AI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,024,034:76:0	
65	97	182	22:12:54.000	488AI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,024,064:34:0	
66	97	182	22:18:51.333	488AI6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,024,070:24:0	
67	97	182	22:42:57.333	488AI6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,024,094:09:0	
68	97	182	23:21:10.000	488AJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,024,131:81:0	
69	97	183	05:32:22.000	488AK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,024,499:01:0	
70	97	183	06:10:46.000	488AK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,024,536:90:0	
71	97	183	10:35:44.666	488AK6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,024,799:05:0	
72	97	183	10:39:34.000	488AK6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,024,802:76:0	
73	97	183	10:41:14.000	488AK6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,024,804:44:0	
74	97	183	20:28:22.000	488AL6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,025,385:15:0	
75	97	183	21:38:46.000	488AL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,025,454:72:0	
76	97	183	22:12:53.933	488AL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,025,488:50:0	
77	97	183	22:13:53.266	488AL6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,025,489:48:0	
78	97	183	22:23:00.600	488AL6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,025,498:50:0	
79	97	183	23:10:29.933	488AM6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,025,545:47:0	
80	97	184	05:43:01.933	488AN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,025,933:67:0	
81	97	184	06:51:15.933	488AN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,026,001:20:0	
82	97	184	06:51:17.933	488AN6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,026,001:23:0	
83	97	184	07:18:11.266	488AN6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,026,027:77:0	
84	97	184	10:27:12.600	488AN6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,026,214:72:0	
85	97	184	10:31:01.933	488AO6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,026,218:52:0	
86	97	184	10:32:41.933	488AO6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,026,220:20:0	
87	97	184	15:18:25.266	488AO6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,026,502:73:0	
88	97	184	15:41:49.933	488AO6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,026,525:87:0	
89	97	184	20:21:57.933	488AP6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,026,803:01:0	
90	97	184	21:38:45.933	488AP6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,026,878:88:0	
91	97	184	21:44:52.600	488AP6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,026,885:01:0	
92	97	184	21:47:17.933	488AP6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,026,887:37:0	
93	97	184	23:03:04.600	488AP6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,026,962:32:0	
94	97	184	23:14:45.933	488AQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,026,973:83:0	
95	97	185	05:23:49.866	488AR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,027,338:84:0	
96	97	185	06:00:05.866	488AR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,027,374:72:0	
97	97	185	06:29:59.866	488AR6C	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	2O0	4	0	4,027,404:33:0	
98	97	185	06:32:39.866	176KA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	4,027,407:00:0	
99	97	185	06:34:59.866	41SH99A	POWER	PWR MODE change	Change to Data Taking Mode	2O0	4	0	4,027,409:28:0	
100	**97**	**185**	**06:35:03.866**	**41SH3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**4,027,409:34:0**	
101	**97**	**185**	**06:35:13.866**	**41SH3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**4,027,409:49:0**	
102	**97**	**185**	**06:35:23.866**	**41SH3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**4,027,409:64:0**	
103	**97**	**185**	**06:35:33.866**	**41SH3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**4,027,409:79:0**	
104	97	185	06:39:44.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,027,414:00:0	
105	97	185	06:39:44.533		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,027,414:00:0	
106	97	185	06:39:44.533	465KK6A	6DMST	250	DMS Slew to TIC	2O0	4	0	4,027,414:00:0	
107	97	185	06:39:44.533		DMS:	: *TURNARND	P7, TRACK *1, FWD, TIC 202.12 +/-	2O0	4	0	4,027,414:00:0	
108	97	185	06:39:51.200		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,027,414:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM MF I
109	97	185	06:39:52.600		DMS:	: *AT_SPD		P7, TRACK 1, FWD, TIC * 202.24 +/-	2O0	4	0	4,027,414:12:1
110	97	185	06:43:06.666		DMS:	**: *RUNDOWN**		P7, TRACK 1, FWD, TIC * 247.94 +/-	2O0	4	0	4,027,417:30:2
111	97	185	06:43:07.866		DMS:	: *READY		RDY, TRACK 1, FWD, TIC * 248.00 +/-	2O0	4	0	4,027,417:32:0
112	97	185	10:27:12.533	488AR6D	6TMSED	FILL,FL6		Sci, Eng, and D/L Chan	2O0	4	0	4,027,638:88:0
113	97	185	10:29:59.866	488AR6E	6TMSED	FILL,HL6		Sci, Eng, and D/L Chan	2O0	4	0	4,027,641:66:0
114	97	185	10:30:00.533	282NZ432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP		Record Deselect (DDS o	2O0	4	0	4,027,641:67:0
115	97	185	10:30:01.200	282NZ432A6A	6RTSL1			R/T Select of DDS and	2O0	4	0	4,027,641:68:0
116	97	185	10:31:01.866	488AS6A	6TMSED	FILL,HL8		Sci, Eng, and D/L Chan	2O0	4	0	4,027,642:68:0
117	97	185	10:32:41.866	488AS6B	6TMSED	NORM,HL8		Sci, Eng, and D/L Chan	2O0	4	0	4,027,644:36:0
118	**97**	**185**	**12:43:48.534**	**C9NNINERTL01-**		**-----START------**			**2O0**	**4**	**0**	**: :**
119	97	185	13:04:59.866	444UB443A4B	**7MODE**	**INT**		**AACS INERTIAL MODE**	2O0	4	0	4,027,795:02:0
120	**97**	**185**	**13:34:21.867**	**C9NNINERTL01-**		**-----STOP-------**			**2O0**	**4**	**0**	**: :**
121	97	185	13:39:21.200	465KM6A	6DMSC	RDY,4		DMS Control Tape stop	2O0	4	0	4,027,829:00:0
122	97	185	13:39:21.200		DMS:	: READY		RDY, TRACK *4, *REV, TIC 248.00 +/-	2O0	4	0	4,027,829:00:0
123	**97**	**185**	**13:39:25.200**	**C9NNCHOPON02-**		**-----START------**			**2O0**	**4**	**0**	**: :**
124	97	185	13:42:18.533	125DZ	NIMSINIT	GS		##### GROUP START INIT	2O0	4	0	4,027,831:84:0
125	**97**	**185**	**13:42:18.533**	**125DZ4A**	**37IST**	**1,0,0,OFF,0,0,0**		**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**4,027,831:84:0**
126	**97**	**185**	**13:43:19.200**	**125DZ4B**	**37IST**	**1,2,0,OFF,0,0,0**		**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,027,832:84:0**
127	97	185	13:44:17.866	465KN6A	6DTRN	CMD,6DTRN,465KN6		DMS TRACK TURNAROUND	2R0	4	0	4,027,833:81:0
128	97	185	13:44:17.866		DMS:	: *US-RUNUP		P7, TRACK *1, *FWD, TIC 248.00 +/-	2R0	4	0	4,027,833:81:0
129	97	185	13:44:17.866		DMS:	: *DMS-TURN		P7, TRACK 4, REV, TIC 248.00 +/-	2R0	4	0	4,027,833:81:0
130	97	185	13:44:19.266		DMS:	: *US_AT_SP		P7, TRACK 1, FWD, TIC * 248.12 +/-	2R0	4	0	4,027,833:83:1
131	97	185	13:44:19.866	125DZ11A	NIMSINIT	GE		##### GROUP END INIT	2R0	4	0	4,027,833:84:0
132	**97**	**185**	**13:44:19.866**	**125DZ4C**	**37MB**	**0,0,0,0,0,0**		**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**4,027,833:84:0**
133	97	185	13:44:24.533		DMS:	: *US_RD		P7, TRACK 1, FWD, TIC * 249.35 +/-	2R0	4	0	4,027,834:00:0
134	97	185	13:44:25.733		DMS:	: *RUNUP		P7, TRACK *4, *REV, TIC * 249.41 +/-	2R0	4	0	4,027,834:01:8
135	97	185	13:44:27.133		DMS:	: *AT_SPD		P7, TRACK 4, REV, TIC * 249.29 +/-	2R0	4	0	4,027,834:03:9
136	97	185	13:47:57.933		DMS:	: *REVERSE		P7, TRACK 4, REV, TIC * 199.87 +/-	2R0	4	0	4,027,837:47:1
137	97	185	13:47:59.133		DMS:	: *TURNARND		P7, TRACK *1, *FWD, TIC * 199.81 +/-	2R0	4	0	4,027,837:48:9
138	97	185	13:47:59.133		DMS:	: *RUNUP		P7, TRACK 1, FWD, TIC 199.81 +/-	2R0	4	0	4,027,837:48:9
139	97	185	13:48:00.533		DMS:	: *AT_SPD		P7, TRACK 1, FWD, TIC * 199.93 +/-	2R0	4	0	4,027,837:51:0
140	97	185	13:48:12.533		DMS:	: *AUTOSTOP		P7, TRACK 1, FWD, TIC * 202.06 +/-	2R0	4	0	4,027,837:69:0
141	97	185	13:48:13.733		DMS:	: *READY		RDY, TRACK 1, FWD, TIC * 202.12 +/-	2R0	4	0	4,027,837:70:8
142	**97**	**185**	**13:49:31.867**	**C9NNCHOPON02-**		**-----STOP-------**			**2R0**	**4**	**0**	**: :**
143	97	185	13:51:29.200		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 202.12 +/-	2R0	4	0	4,027,841:00:0
144	97	185	13:51:29.200		DMS:	: *SLEW-TIC		P7, TRACK 1, FWD, TIC 202.12 +/-	2R0	4	0	4,027,841:00:0
145	97	185	13:51:29.200		DMS:	: *TURNARND		P7, TRACK 1, FWD, TIC 202.12 +/-	2R0	4	0	4,027,841:00:0
146	97	185	13:51:29.200	465KO6A	6DMST		212	DMS Slew to TIC	2R0	4	0	4,027,841:00:0
147	97	185	13:51:35.866		DMS:	: *RUNUP		P7, TRACK 1, FWD, TIC 202.12 +/-	2R0	4	0	4,027,841:10:0
148	97	185	13:51:37.266		DMS:	: *AT_SPD		P7, TRACK 1, FWD, TIC * 202.24 +/-	2R0	4	0	4,027,841:12:1
149	97	185	13:52:09.333		DMS:	**: *RUNDOWN**		P7, TRACK 1, FWD, TIC * 209.94 +/-	2R0	4	0	4,027,841:60:2
150	97	185	13:52:10.533		DMS:	: *READY		RDY, TRACK 1, FWD, TIC * 210.00 +/-	2R0	4	0	4,027,841:62:0
151	97	185	13:52:27.200	176DZ6A	6TMREC	**NRC**		NO RECORD Record Mode Change	2R0	4	0	4,027,841:87:0
152	97	185	13:53:30.533		DMS:	: READY		RDY, TRACK *3, FWD, TIC 210.00 +/-	2R0	4	0	4,027,843:00:0
153	97	185	13:53:30.533	465KP6A	6DMSC	RDY,3		DMS Control Tape stop	2R0	4	0	4,027,843:00:0
154	**97**	**185**	**13:54:35.200**	**C9JNAUCAMB01-**		**-----START------**			**2R0**	**4**	**0**	**: :**
155	97	185	13:55:31.200	165MR4A	7SCAN	NORM,106.629999,		Check S/P Position	2R0	4	0	4,027,844:90:0
156	97	185	13:57:28.533	125EZ	NIMSINIT	GS		##### GROUP START INIT	2R0	4	0	4,027,846:84:0
157	**97**	**185**	**13:57:28.533**	**125EZ4A**	**37IST**	**0,2,0,OFF,0,1,1**		**Gain State 4**	**4R0**	**4**	**0**	**4,027,846:84:0**
158	97	185	13:57:28.533	125EZ11A	NIMSINIT	GE		##### GROUP END INIT	4R0	4	0	4,027,846:84:0
159	97	185	13:58:29.200	127EZ	NIMSTAB	GS		%%%%% GROUP START TAB	4R0	4	0	4,027,847:84:0
160	**97**	**185**	**13:58:29.200**	**127EZ4A**	**37IOP**	**1,0**		**Full Map, Grating Start Position =00**	**4R1**	**4**	**0**	**4,027,847:84:0**
161	**97**	**185**	**13:58:29.866**	**127EZ4B**	**37ETB**	**0A,CA,0C,3D,FC,0**		**Loads wavelength edit table**	**4R1**	**4**	**0**	**4,027,847:85:0**
162	97	185	13:58:37.866	127EZ11A	NIMSTAB	GE		%%%%% GROUP END TAB	4R1	4	0	4,027,848:06:0
163	97	185	13:59:23.200		DMS:	: *E4-DELAY		RDY, TRACK *1, FWD, TIC 210.00 +/-	4R1	4	0	4,027,848:74:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
164	97	185	13:59:23.200	175EZ422A6A	6DMSC	R7,3	DMS Control	4R1	4	0	4,027,848:74:0
165	97	185	13:59:25.200	117MR	**CSMOS**	GS	***** GROUP START CSMOS	4R1	4	0	4,027,848:77:0
166	97	185	13:59:29.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 210.00 +/-	4R1	4	0	4,027,848:84:0
167	97	185	13:59:31.200	175EZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R1	4	0	4,027,848:86:0
168	97	185	13:59:31.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 210.12 +/-	4R1	4	0	4,027,848:86:1
169	97	185	13:59:31.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 210.12 +/-	4R1	4	0	4,027,848:86:1
170	**97**	**185**	**13:59:34.533**	**C9JNAUCAMB01-**	**NIMPBK**	**301KE**	**AURORAL CAMPAIGN B MAP NO. 1**	**4R1**	**4**	**0**	**: :**
171	97	185	13:59:34.533	117MR105A106A4A	7STRP	0.028007,0.0002,	Slew =,0.12	4R1	4	0	4,027,849:00:0
172	97	185	14:04:34.533	117MR11A	**CSMOS**	GE	***** GROUP END CSMOS	4R1	4	0	4,027,853:86:0
173	**97**	**185**	**14:04:37.866**	**C9JNAUCAMB01-**	**DESELC**	**300KE**	**AURORAL CAMPAIGN B MAP NO. 1**	**4R1**	**4**	**0**	**: :**
174	97	185	14:04:39.866		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 282.45 +/-	4R1	4	0	4,027,854:03:0
175	97	185	14:04:39.866	175EZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	4,027,854:03:0
176	97	185	14:04:39.866	175EZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R1	4	0	4,027,854:03:0
177	97	185	14:04:41.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 282.51 +/-	4R1	4	0	4,027,854:04:8
178	**97**	**185**	**14:04:41.867**	**C9JNAUCAMB01-**		**-----STOP-------**		**4R1**	**4**	**0**	**: :**
179	97	185	14:09:30.533		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 282.51 +/-	4R1	4	0	4,027,858:75:0
180	97	185	14:09:30.533	175MC422A6A	6DMSC	R7,3	DMS Control	4R1	4	0	4,027,858:75:0
181	97	185	14:09:37.200		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 282.51 +/-	4R1	4	0	4,027,858:85:0
182	97	185	14:09:38.533	175MC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R1	4	0	4,027,858:87:0
183	97	185	14:09:38.533	282NA431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	4R1	4	0	4,027,858:87:0
184	97	185	14:09:38.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 282.63 +/-	4R1	4	0	4,027,858:87:1
185	97	185	14:09:38.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 282.63 +/-	4R1	4	0	4,027,858:87:1
186	97	185	14:09:41.200	431OE6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4R1	4	0	4,027,859:00:0
187	**97**	**185**	**14:09:45.200**	**C9JNAURRTB01-**		**-----START------**		**4R1**	**4**	**0**	**: :**
188	**97**	**185**	**14:10:37.200**	**125LZ4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R1**	**4**	**0**	**4,027,859:84:0**
189	97	185	14:10:37.200	125LZ	NIMSINIT	GS	##### GROUP START INIT	4R1	4	0	4,027,859:84:0
190	**97**	**185**	**14:11:37.866**	**125LZ4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R1**	**4**	**0**	**4,027,860:84:0**
191	97	185	14:11:37.866	125LZ11A	NIMSINIT	GE	##### GROUP END INIT	4R1	4	0	4,027,860:84:0
192	**97**	**185**	**14:12:38.533**	**127LZ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,027,861:84:0**
193	97	185	14:12:38.533	127LZ	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,027,861:84:0
194	**97**	**185**	**14:12:39.200**	**127LZ4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,027,861:85:0**
195	97	185	14:12:42.533	165MS4A	7SCAN	NORM,105.643,23.	Check S/P Position	4R3	4	0	4,027,861:90:0
196	97	185	14:12:47.200	127LZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,027,862:06:0
197	**97**	**185**	**14:13:03.200**	**432KA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,027,862:30:0**
198	**97**	**185**	**14:18:05.200**	**432KB6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,027,867:28:0**
199	**97**	**185**	**14:18:51.200**	**C9JNAURRTB01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
200	**97**	**185**	**14:19:41.867**	**C9HNSTRCAL01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
201	97	185	14:19:47.200	165EP4A	7SCAN	NORM,278.893997,	Check S/P Position	4R3	4	0	4,027,868:90:0
202	97	185	14:22:45.200	127LY	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,027,871:84:0
203	**97**	**185**	**14:22:45.200**	**127LY4A**	**37IOP**	**7,0**	**Fixed Map, Grating Start Position =00**	**4R7**	**4**	**0**	**4,027,871:84:0**
204	**97**	**185**	**14:22:45.866**	**127LY4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**0**	**4,027,871:85:0**
205	97	185	14:22:53.866	127LY11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	0	4,027,872:06:0
206	**97**	**185**	**14:23:09.866**	**432KK6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R7**	**4**	**0**	**4,027,872:30:0**
207	97	185	14:23:41.200	117EP	**CSMOS**	GS	***** GROUP START CSMOS	4R7	4	0	4,027,872:77:0
208	97	185	14:23:50.533	117EP105A106A4A	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	0	4,027,873:00:0
209	97	185	14:24:00.533	117EP105A106A4B	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	0	4,027,873:15:0
210	97	185	14:24:07.200	117EP105A106A4C	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	0	4,027,873:25:0
211	97	185	14:24:17.200	117EP105A106A4D	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	0	4,027,873:40:0
212	97	185	14:24:23.866	117EP105A106A4E	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	0	4,027,873:50:0
213	97	185	14:24:33.866	117EP105A106A4F	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	0	4,027,873:65:0
214	97	185	14:24:40.533	117EP105A106A4G	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	0	4,027,873:75:0
215	97	185	14:24:46.533	127LA	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	0	4,027,873:84:0
216	**97**	**185**	**14:24:46.533**	**127LA4A**	**37IOP**	**7,1**	**Fixed Map, Grating Start Position =01**	**4R7**	**4**	**1**	**4,027,873:84:0**
217	**97**	**185**	**14:24:47.200**	**127LA4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**1**	**4,027,873:85:0**
218	97	185	14:24:50.533	117EP105A106A4H	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	1	4,027,873:90:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	97	185	14:24:55.200	127LA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	1	4,027,874:06:0	
220	97	185	14:24:57.200	117EP105A106A4I	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	1	4,027,874:09:0	
221	97	185	14:25:07.200	117EP105A106A4J	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	1	4,027,874:24:0	
222	97	185	14:25:13.866	117EP105A106A4K	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	1	4,027,874:34:0	
223	97	185	14:25:23.866	117EP105A106A4L	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	1	4,027,874:49:0	
224	97	185	14:25:30.533	117EP105A106A4M	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	1	4,027,874:59:0	
225	97	185	14:25:40.533	117EP105A106A4N	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	1	4,027,874:74:0	
226	97	185	14:25:47.200	127FS	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	1	4,027,874:84:0	
227	97	185	14:25:47.200	117EP105A106A4O	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	1	4,027,874:84:0	
228	**97**	**185**	**14:25:47.200**	**127FS4A**	**37IOP**	**7,2**	**Fixed Map, Grating Start Position =02**	**4R7**	**4**	**2**	**4,027,874:84:0**	
229	**97**	**185**	**14:25:47.866**	**127FS4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**2**	**4,027,874:85:0**	
230	97	185	14:25:55.866	127FS11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	2	4,027,875:06:0	
231	97	185	14:25:57.200	117EP105A106A4P	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	2	4,027,875:08:0	
232	97	185	14:26:03.866	117EP105A106A4Q	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	2	4,027,875:18:0	
233	97	185	14:26:13.866	117EP105A106A4R	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	2	4,027,875:33:0	
234	97	185	14:26:20.533	117EP105A106A4S	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	2	4,027,875:43:0	
235	97	185	14:26:30.533	117EP105A106A4T	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	2	4,027,875:58:0	
236	97	185	14:26:37.200	117EP105A106A4U	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	2	4,027,875:68:0	
237	97	185	14:26:47.200	117EP105A106A4V	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	2	4,027,875:83:0	
238	**97**	**185**	**14:26:47.866**	**127FR4A**	**37IOP**	**7,3**	**Fixed Map, Grating Start Position =03**	**4R7**	**4**	**3**	**4,027,875:84:0**	
239	97	185	14:26:47.866	127FR	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	3	4,027,875:84:0	
240	**97**	**185**	**14:26:48.533**	**127FR4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**3**	**4,027,875:85:0**	
241	97	185	14:26:53.866	117EP105A106A4W	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	3	4,027,876:02:0	
242	97	185	14:26:56.533	127FR11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	3	4,027,876:06:0	
243	97	185	14:27:03.866	117EP105A106A4X	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	3	4,027,876:17:0	
244	97	185	14:27:10.533	117EP105A106A4Y	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	3	4,027,876:27:0	
245	97	185	14:27:20.533	117EP105A106A4Z	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	3	4,027,876:42:0	
246	97	185	14:27:27.200	117EP105A106A4AA	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	3	4,027,876:52:0	
247	97	185	14:27:37.200	117EP105A106A4AB	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	3	4,027,876:67:0	
248	97	185	14:27:43.866	117EP105A106A4AC	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	3	4,027,876:77:0	
249	97	185	14:27:48.533	127FQ	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	3	4,027,876:84:0	
250	**97**	**185**	**14:27:48.533**	**127FQ4A**	**37IOP**	**7,4**	**Fixed Map, Grating Start Position =04**	**4R7**	**4**	**4**	**4,027,876:84:0**	
251	**97**	**185**	**14:27:49.200**	**127FQ4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**4**	**4,027,876:85:0**	
252	97	185	14:27:53.866	117EP105A106A4AD	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	4	4,027,877:01:0	
253	97	185	14:27:57.200	127FQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	4	4,027,877:06:0	
254	97	185	14:28:00.533	117EP105A106A4AE	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	4	4,027,877:11:0	
255	97	185	14:28:10.533	117EP105A106A4AF	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	4	4,027,877:26:0	
256	97	185	14:28:17.200	117EP105A106A4AG	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	4	4,027,877:36:0	
257	97	185	14:28:27.200	117EP105A106A4AH	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	4	4,027,877:51:0	
258	97	185	14:28:33.866	117EP105A106A4AI	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	4	4,027,877:61:0	
259	97	185	14:28:43.866	117EP105A106A4AJ	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	4	4,027,877:76:0	
260	**97**	**185**	**14:28:49.200**	**127FO4A**	**37IOP**	**7,5**	**Fixed Map, Grating Start Position =05**	**4R7**	**4**	**5**	**4,027,877:84:0**	
261	97	185	14:28:49.200	127FO	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	5	4,027,877:84:0	
262	**97**	**185**	**14:28:49.866**	**127FO4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**5**	**4,027,877:85:0**	
263	97	185	14:28:50.533	117EP105A106A4AK	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	5	4,027,877:86:0	
264	97	185	14:28:57.866	127FO11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	5	4,027,878:06:0	
265	97	185	14:29:00.533	117EP105A106A4AL	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	5	4,027,878:10:0	
266	97	185	14:29:07.200	117EP105A106A4AM	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	5	4,027,878:20:0	
267	97	185	14:29:17.200	117EP105A106A4AN	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	5	4,027,878:35:0	
268	97	185	14:29:23.866	117EP105A106A4AO	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	5	4,027,878:45:0	
269	97	185	14:29:33.866	117EP105A106A4AP	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	5	4,027,878:60:0	
270	97	185	14:29:40.533	117EP105A106A4AQ	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	5	4,027,878:70:0	
271	97	185	14:29:49.866	127FN	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	5	4,027,878:84:0	
272	**97**	**185**	**14:29:49.866**	**127FN4A**	**37IOP**	**7,6**	**Fixed Map, Grating Start Position =06**	**4R7**	**4**	**6**	**4,027,878:84:0**	
273	**97**	**185**	**14:29:50.533**	**127FN4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**6**	**4,027,878:85:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	97	185	14:29:50.533	117EP105A106A4AR	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	6	4,027,878	85:0
275	97	185	14:29:57.200	117EP105A106A4AS	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	6	4,027,879	04:0
276	97	185	14:29:58.533	127FN11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	6	4,027,879	06:0
277	97	185	14:30:07.200	117EP105A106A4AT	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	6	4,027,879	19:0
278	97	185	14:30:13.866	117EP105A106A4AU	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	6	4,027,879	29:0
279	97	185	14:30:23.866	117EP105A106A4AV	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	6	4,027,879	44:0
280	97	185	14:30:30.533	117EP105A106A4AW	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	6	4,027,879	54:0
281	97	185	14:30:40.533	117EP105A106A4AX	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	6	4,027,879	69:0
282	97	185	14:30:47.200	117EP105A106A4AY	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	6	4,027,879	79:0
283	**97**	**185**	**14:30:50.533**	**127FM4A**	**37IOP**	**7,7**	**Fixed Map, Grating Start Position =07**	**4R7**	**4**	**7**	**4,027,879**	**84:0**
284	97	185	14:30:50.533	127FM	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	7	4,027,879	84:0
285	**97**	**185**	**14:30:51.200**	**127FM4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**7**	**4,027,879**	**85:0**
286	97	185	14:30:57.200	117EP105A106A4AZ	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	7	4,027,880	03:0
287	97	185	14:30:59.200	127FM11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	7	4,027,880	06:0
288	97	185	14:31:03.866	117EP105A106A4BA	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	7	4,027,880	13:0
289	97	185	14:31:13.866	117EP105A106A4BB	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	7	4,027,880	28:0
290	97	185	14:31:20.533	117EP105A106A4BC	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	7	4,027,880	38:0
291	97	185	14:31:30.533	117EP105A106A4BD	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	7	4,027,880	53:0
292	97	185	14:31:37.200	117EP105A106A4BE	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	7	4,027,880	63:0
293	97	185	14:31:47.200	117EP105A106A4BF	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	7	4,027,880	78:0
294	**97**	**185**	**14:31:51.200**	**127FL4A**	**37IOP**	**7,8**	**Fixed Map, Grating Start Position =08**	**4R7**	**4**	**8**	**4,027,880**	**84:0**
295	97	185	14:31:51.200	127FL	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	8	4,027,880	84:0
296	**97**	**185**	**14:31:51.866**	**127FL4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**8**	**4,027,880**	**85:0**
297	97	185	14:31:53.866	117EP105A106A4BG	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	8	4,027,880	88:0
298	97	185	14:31:59.866	127FL11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	8	4,027,881	06:0
299	97	185	14:32:03.866	117EP105A106A4BH	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	8	4,027,881	12:0
300	97	185	14:32:10.533	117EP105A106A4BI	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	8	4,027,881	22:0
301	97	185	14:32:20.533	117EP105A106A4BJ	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	8	4,027,881	37:0
302	97	185	14:32:27.200	117EP105A106A4BK	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	8	4,027,881	47:0
303	97	185	14:32:37.200	117EP105A106A4BL	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	8	4,027,881	62:0
304	97	185	14:32:43.866	117EP105A106A4BM	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	8	4,027,881	72:0
305	97	185	14:32:51.866	127FK	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	8	4,027,881	84:0
306	**97**	**185**	**14:32:51.866**	**127FK4A**	**37IOP**	**7,9**	**Fixed Map, Grating Start Position =09**	**4R7**	**4**	**9**	**4,027,881**	**84:0**
307	**97**	**185**	**14:32:52.533**	**127FK4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**9**	**4,027,881**	**85:0**
308	97	185	14:32:53.866	117EP105A106A4BN	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	9	4,027,881	87:0
309	97	185	14:33:00.533	127FK11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	9	4,027,882	06:0
310	97	185	14:33:00.533	117EP105A106A4BO	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	9	4,027,882	06:0
311	97	185	14:33:10.533	117EP105A106A4BP	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	9	4,027,882	21:0
312	97	185	14:33:17.200	117EP105A106A4BQ	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	9	4,027,882	31:0
313	97	185	14:33:27.200	117EP105A106A4BR	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	9	4,027,882	46:0
314	97	185	14:33:33.866	117EP105A106A4BS	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	9	4,027,882	56:0
315	97	185	14:33:43.866	117EP105A106A4BT	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	9	4,027,882	71:0
316	97	185	14:33:50.533	117EP105A106A4BU	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	9	4,027,882	81:0
317	97	185	14:33:52.533	127FJ	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	9	4,027,882	84:0
318	**97**	**185**	**14:33:52.533**	**127FJ4A**	**37IOP**	**7,10**	**Fixed Map, Grating Start Position =10**	**4R7**	**4**	**10**	**4,027,882**	**84:0**
319	**97**	**185**	**14:33:53.200**	**127FJ4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**10**	**4,027,882**	**85:0**
320	97	185	14:34:00.533	117EP105A106A4BV	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	10	4,027,883	05:0
321	97	185	14:34:01.200	127FJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	10	4,027,883	06:0
322	97	185	14:34:07.200	117EP105A106A4BW	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	10	4,027,883	15:0
323	97	185	14:34:17.200	117EP105A106A4BX	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	10	4,027,883	30:0
324	97	185	14:34:23.866	117EP105A106A4BY	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	10	4,027,883	40:0
325	97	185	14:34:33.866	117EP105A106A4BZ	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	10	4,027,883	55:0
326	97	185	14:34:40.533	117EP105A106A4CA	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	10	4,027,883	65:0
327	97	185	14:34:50.533	117EP105A106A4CB	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	10	4,027,883	80:0
328	97	185	14:34:53.200	127FI	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	10	4,027,883	84:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	**97**	**185**	**14:34:53.200**	**127FI4A**	**37IOP**	**7,11**	**Fixed Map, Grating Start Position =11**	**4R7**	**4**	**11**	**4,027,883:84:0**	
330	**97**	**185**	**14:34:53.866**	**127FI4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**11**	**4,027,883:85:0**	
331	97	185	14:34:57.200	117EP105A106A4CC	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	11	4,027,883:90:0	
332	97	185	14:35:01.866	127FI11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	11	4,027,884:06:0	
333	97	185	14:35:07.200	117EP105A106A4CD	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	11	4,027,884:14:0	
334	97	185	14:35:13.866	117EP105A106A4CE	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	11	4,027,884:24:0	
335	**97**	**185**	**14:35:16.533**	**432KL6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R7**	**4**	**11**	**4,027,884:28:0**	
336	97	185	14:35:23.866	117EP11A	**CSMOS**	GE	***** GROUP END CSMOS	4R7	4	11	4,027,884:39:0	
337	**97**	**185**	**14:36:02.534**	**C9HNSTRCAL01-**		**-----STOP-------**		**4R7**	**4**	**11**	**: :**	
338	**97**	**185**	**14:39:04.534**	**C9JNAURRTB02-**		**-----START------**		**4R7**	**4**	**11**	**: :**	
339	97	185	14:40:00.533	165MU4A	7SCAN	NORM,105.676999,	Check S/P Position	4R7	4	11	4,027,888:90:0	
340	97	185	14:42:58.533	127LX	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	11	4,027,891:84:0	
341	**97**	**185**	**14:42:58.533**	**127LX4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,027,891:84:0**	
342	**97**	**185**	**14:42:59.200**	**127LX4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,027,891:85:0**	
343	97	185	14:43:07.200	127LX11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,027,892:06:0	
344	**97**	**185**	**14:43:23.200**	**432KC6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,027,892:30:0**	
345	**97**	**185**	**14:48:25.200**	**432KD6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,027,897:28:0**	
346	**97**	**185**	**14:49:11.200**	**C9JNAURRTB02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
347	**97**	**185**	**15:10:25.200**	**C9JNAURRTB03-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
348	97	185	15:11:41.866	165MV4A	7SCAN	NORM,105.709999,	Check S/P Position	4R3	4	0	4,027,920:30:0	
349	**97**	**185**	**15:13:43.200**	**432KE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,027,922:30:0**	
350	**97**	**185**	**15:18:45.200**	**432KF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,027,927:28:0**	
351	**97**	**185**	**15:19:31.200**	**C9JNAURRTB03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
352	**97**	**185**	**15:30:38.533**	**C9JNAURRTB04-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
353	97	185	15:31:55.200	165DB4A	7SCAN	NORM,105.733999,	Check S/P Position	4R3	4	0	4,027,940:30:0	
354	**97**	**185**	**15:33:56.533**	**432KG6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,027,942:30:0**	
355	**97**	**185**	**15:38:58.533**	**432KH6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,027,947:28:0**	
356	**97**	**185**	**15:39:44.533**	**C9JNAURRTB04-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
357	**97**	**185**	**15:40:35.200**	**C9HNSTRCAL02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
358	97	185	15:40:40.533	165DA4A	7SCAN	NORM,278.893997,	Check S/P Position	4R3	4	0	4,027,948:90:0	
359	**97**	**185**	**15:43:38.533**	**127LW4A**	**37IOP**	**7,12**	**Fixed Map, Grating Start Position =12**	**4R7**	**4**	**12**	**4,027,951:84:0**	
360	97	185	15:43:38.533	127LW	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	12	4,027,951:84:0	
361	**97**	**185**	**15:43:39.200**	**127LW4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**12**	**4,027,951:85:0**	
362	97	185	15:43:47.200	127LW11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	12	4,027,952:06:0	
363	**97**	**185**	**15:44:03.200**	**432KM6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R7**	**4**	**12**	**4,027,952:30:0**	
364	97	185	15:44:34.533	117DA	**CSMOS**	GS	***** GROUP START CSMOS	4R7	4	12	4,027,952:77:0	
365	97	185	15:44:43.866	117DA105A106A4A	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	12	4,027,953:00:0	
366	97	185	15:44:53.866	117DA105A106A4B	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	12	4,027,953:15:0	
367	97	185	15:44:59.200	117DA105A106A4C	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	12	4,027,953:23:0	
368	97	185	15:45:09.200	117DA105A106A4D	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	12	4,027,953:38:0	
369	97	185	15:45:14.533	117DA105A106A4E	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	12	4,027,953:46:0	
370	97	185	15:45:24.533	117DA105A106A4F	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	12	4,027,953:61:0	
371	97	185	15:45:29.866	117DA105A106A4G	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	12	4,027,953:69:0	
372	97	185	15:45:39.866	127FH	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	12	4,027,953:84:0	
373	97	185	15:45:39.866	117DA105A106A4H	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	12	4,027,953:84:0	
374	**97**	**185**	**15:45:39.866**	**127FH4A**	**37IOP**	**7,13**	**Fixed Map, Grating Start Position =13**	**4R7**	**4**	**13**	**4,027,953:84:0**	
375	**97**	**185**	**15:45:40.533**	**127FH4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**13**	**4,027,953:85:0**	
376	97	185	15:45:45.200	117DA105A106A4I	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	13	4,027,954:01:0	
377	97	185	15:45:48.533	127FH11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	13	4,027,954:06:0	
378	97	185	15:45:55.200	117DA105A106A4J	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	13	4,027,954:16:0	
379	97	185	15:46:00.533	117DA105A106A4K	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	13	4,027,954:24:0	
380	97	185	15:46:10.533	117DA105A106A4L	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	13	4,027,954:39:0	
381	97	185	15:46:15.866	117DA105A106A4M	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	13	4,027,954:47:0	
382	97	185	15:46:25.866	117DA105A106A4N	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	13	4,027,954:62:0	
383	97	185	15:46:31.200	117DA105A106A4O	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	13	4,027,954:70:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	**97**	**185**	**15:46:40.533**	**127FG4A**	**37IOP**	**7,14**	**Fixed Map, Grating Start Position =14**	**4R7**	**4**	**14**	**4,027,954:84:0**	
385	97	185	15:46:40.533	127FG	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	14	4,027,954:84:0	
386	**97**	**185**	**15:46:41.200**	**127FG4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**14**	**4,027,954:85:0**	
387	97	185	15:46:41.200	117DA105A106A4P	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	14	4,027,954:85:0	
388	97	185	15:46:46.533	117DA105A106A4Q	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	14	4,027,955:02:0	
389	97	185	15:46:49.200	127FG11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	14	4,027,955:06:0	
390	97	185	15:46:56.533	117DA105A106A4R	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	14	4,027,955:17:0	
391	97	185	15:47:01.866	117DA105A106A4S	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	14	4,027,955:25:0	
392	97	185	15:47:11.866	117DA105A106A4T	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	14	4,027,955:40:0	
393	97	185	15:47:17.200	117DA105A106A4U	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	14	4,027,955:48:0	
394	97	185	15:47:27.200	117DA105A106A4V	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	14	4,027,955:63:0	
395	97	185	15:47:32.533	117DA105A106A4W	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	14	4,027,955:71:0	
396	97	185	15:47:41.200	127FF	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	14	4,027,955:84:0	
397	**97**	**185**	**15:47:41.200**	**127FF4A**	**37IOP**	**7,15**	**Fixed Map, Grating Start Position =15**	**4R7**	**4**	**15**	**4,027,955:84:0**	
398	**97**	**185**	**15:47:41.866**	**127FF4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**15**	**4,027,955:85:0**	
399	97	185	15:47:42.533	117DA105A106A4X	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	15	4,027,955:86:0	
400	97	185	15:47:47.866	117DA105A106A4Y	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	15	4,027,956:03:0	
401	97	185	15:47:49.866	127FF11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	15	4,027,956:06:0	
402	97	185	15:47:57.866	117DA105A106A4Z	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	15	4,027,956:18:0	
403	97	185	15:48:03.200	117DA105A106A4AA	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	15	4,027,956:26:0	
404	97	185	15:48:13.200	117DA105A106A4AB	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	15	4,027,956:41:0	
405	97	185	15:48:18.533	117DA105A106A4AC	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	15	4,027,956:49:0	
406	97	185	15:48:28.533	117DA105A106A4AD	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	15	4,027,956:64:0	
407	97	185	15:48:33.866	117DA105A106A4AE	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	15	4,027,956:72:0	
408	**97**	**185**	**15:48:41.866**	**127FE4A**	**37IOP**	**7,16**	**Fixed Map, Grating Start Position =16**	**4R7**	**4**	**16**	**4,027,956:84:0**	
409	97	185	15:48:41.866	127FE	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	16	4,027,956:84:0	
410	**97**	**185**	**15:48:42.533**	**127FE4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**16**	**4,027,956:85:0**	
411	97	185	15:48:43.866	117DA105A106A4AF	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	16	4,027,956:87:0	
412	97	185	15:48:49.200	117DA105A106A4AG	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	16	4,027,957:04:0	
413	97	185	15:48:50.533	127FE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	16	4,027,957:06:0	
414	97	185	15:48:59.200	117DA105A106A4AH	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	16	4,027,957:19:0	
415	97	185	15:49:04.533	117DA105A106A4AI	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	16	4,027,957:27:0	
416	97	185	15:49:14.533	117DA105A106A4AJ	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	16	4,027,957:42:0	
417	97	185	15:49:19.866	117DA105A106A4AK	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	16	4,027,957:50:0	
418	97	185	15:49:29.866	117DA105A106A4AL	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	16	4,027,957:65:0	
419	97	185	15:49:35.200	117DA105A106A4AM	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	16	4,027,957:73:0	
420	97	185	15:49:42.533	127FD	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	16	4,027,957:84:0	
421	**97**	**185**	**15:49:42.533**	**127FD4A**	**37IOP**	**7,17**	**Fixed Map, Grating Start Position =17**	**4R7**	**4**	**17**	**4,027,957:84:0**	
422	**97**	**185**	**15:49:43.200**	**127FD4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**17**	**4,027,957:85:0**	
423	97	185	15:49:45.200	117DA105A106A4AN	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	17	4,027,957:88:0	
424	97	185	15:49:50.533	117DA105A106A4AO	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	17	4,027,958:05:0	
425	97	185	15:49:51.200	127FD11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	17	4,027,958:06:0	
426	97	185	15:50:00.533	117DA105A106A4AP	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	17	4,027,958:20:0	
427	97	185	15:50:05.866	117DA105A106A4AQ	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	17	4,027,958:28:0	
428	97	185	15:50:15.866	117DA105A106A4AR	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	17	4,027,958:43:0	
429	97	185	15:50:21.200	117DA105A106A4AS	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	17	4,027,958:51:0	
430	97	185	15:50:31.200	117DA105A106A4AT	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	17	4,027,958:66:0	
431	97	185	15:50:36.533	117DA105A106A4AU	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	17	4,027,958:74:0	
432	**97**	**185**	**15:50:43.200**	**127FC4A**	**37IOP**	**7,18**	**Fixed Map, Grating Start Position =18**	**4R7**	**4**	**18**	**4,027,958:84:0**	
433	97	185	15:50:43.200	127FC	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	18	4,027,958:84:0	
434	**97**	**185**	**15:50:43.866**	**127FC4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**18**	**4,027,958:85:0**	
435	97	185	15:50:46.533	117DA105A106A4AV	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	18	4,027,958:89:0	
436	97	185	15:50:51.866	117DA105A106A4AW	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	18	4,027,959:06:0	
437	97	185	15:50:51.866	127FC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	18	4,027,959:06:0	
438	97	185	15:51:01.866	117DA105A106A4AX	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	18	4,027,959:21:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	97	185	15:51:07.200	117DA105A106A4AY	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	18	4,027,959:29:0	
440	97	185	15:51:17.200	117DA105A106A4AZ	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	18	4,027,959:44:0	
441	97	185	15:51:22.533	117DA105A106A4BA	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	18	4,027,959:52:0	
442	97	185	15:51:32.533	117DA105A106A4BB	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	18	4,027,959:67:0	
443	97	185	15:51:37.866	117DA105A106A4BC	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	18	4,027,959:75:0	
444	97	185	15:51:43.866	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	18	4,027,959:84:0	
445	**97**	**185**	**15:51:43.866**	**127FB4A**	**37IOP**	**7,19**	**Fixed Map, Grating Start Position =19**	**4R7**	**4**	**19**	**4,027,959:84:0**	
446	**97**	**185**	**15:51:44.533**	**127FB4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**19**	**4,027,959:85:0**	
447	97	185	15:51:47.866	117DA105A106A4BD	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	19	4,027,959:90:0	
448	97	185	15:51:52.533	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	19	4,027,960:06:0	
449	97	185	15:51:53.200	117DA105A106A4BE	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	19	4,027,960:07:0	
450	97	185	15:52:03.200	117DA105A106A4BF	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	19	4,027,960:22:0	
451	97	185	15:52:08.533	117DA105A106A4BG	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	19	4,027,960:30:0	
452	97	185	15:52:18.533	117DA105A106A4BH	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	19	4,027,960:45:0	
453	97	185	15:52:23.866	117DA105A106A4BI	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	19	4,027,960:53:0	
454	97	185	15:52:33.866	117DA105A106A4BJ	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	19	4,027,960:68:0	
455	97	185	15:52:39.200	117DA105A106A4BK	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	19	4,027,960:76:0	
456	97	185	15:52:44.533	127FA	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	19	4,027,960:84:0	
457	**97**	**185**	**15:52:44.533**	**127FA4A**	**37IOP**	**7,20**	**Fixed Map, Grating Start Position =20**	**4R7**	**4**	**20**	**4,027,960:84:0**	
458	**97**	**185**	**15:52:45.200**	**127FA4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**20**	**4,027,960:85:0**	
459	97	185	15:52:49.200	117DA105A106A4BL	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	20	4,027,961:00:0	
460	97	185	15:52:53.200	127FA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	20	4,027,961:06:0	
461	97	185	15:52:54.533	117DA105A106A4BM	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	20	4,027,961:08:0	
462	97	185	15:53:04.533	117DA105A106A4BN	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	20	4,027,961:23:0	
463	97	185	15:53:09.866	117DA105A106A4BO	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	20	4,027,961:31:0	
464	97	185	15:53:19.866	117DA105A106A4BP	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	20	4,027,961:46:0	
465	97	185	15:53:25.200	117DA105A106A4BQ	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	20	4,027,961:54:0	
466	97	185	15:53:35.200	117DA105A106A4BR	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	20	4,027,961:69:0	
467	97	185	15:53:40.533	117DA105A106A4BS	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	20	4,027,961:77:0	
468	**97**	**185**	**15:53:45.200**	**127KZ4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**4R7**	**4**	**21**	**4,027,961:84:0**	
469	97	185	15:53:45.200	127KZ	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	21	4,027,961:84:0	
470	**97**	**185**	**15:53:45.866**	**127KZ4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**21**	**4,027,961:85:0**	
471	97	185	15:53:50.533	117DA105A106A4BT	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	21	4,027,962:01:0	
472	97	185	15:53:53.866	127KZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	21	4,027,962:06:0	
473	97	185	15:53:55.866	117DA105A106A4BU	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	21	4,027,962:09:0	
474	97	185	15:54:05.866	117DA105A106A4BV	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	21	4,027,962:24:0	
475	97	185	15:54:11.200	117DA105A106A4BW	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	21	4,027,962:32:0	
476	97	185	15:54:21.200	117DA105A106A4BX	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	21	4,027,962:47:0	
477	97	185	15:54:26.533	117DA105A106A4BY	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	21	4,027,962:55:0	
478	97	185	15:54:36.533	117DA105A106A4BZ	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	21	4,027,962:70:0	
479	97	185	15:54:41.866	117DA105A106A4CA	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	21	4,027,962:78:0	
480	**97**	**185**	**15:54:45.866**	**127KY4A**	**37IOP**	**7,22**	**Fixed Map, Grating Start Position =22**	**4R7**	**4**	**22**	**4,027,962:84:0**	
481	97	185	15:54:45.866	127KY	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	22	4,027,962:84:0	
482	**97**	**185**	**15:54:46.533**	**127KY4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**22**	**4,027,962:85:0**	
483	97	185	15:54:51.866	117DA105A106A4CB	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	22	4,027,963:02:0	
484	97	185	15:54:54.533	127KY11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	22	4,027,963:06:0	
485	97	185	15:54:57.200	117DA105A106A4CC	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	22	4,027,963:10:0	
486	97	185	15:55:07.200	117DA105A106A4CD	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R7	4	22	4,027,963:25:0	
487	97	185	15:55:12.533	117DA105A106A4CE	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	4R7	4	22	4,027,963:33:0	
488	97	185	15:55:22.533	117DA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R7	4	22	4,027,963:48:0	
489	97	185	15:55:46.533	127KX	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	22	4,027,963:84:0	
490	**97**	**185**	**15:55:46.533**	**127KX4A**	**37IOP**	**7,23**	**Fixed Map, Grating Start Position =23**	**4R7**	**4**	**23**	**4,027,963:84:0**	
491	**97**	**185**	**15:55:47.200**	**127KX4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**4R7**	**4**	**23**	**4,027,963:85:0**	
492	97	185	15:55:55.200	127KX11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	23	4,027,964:06:0	
493	**97**	**185**	**15:56:09.866**	**432KN6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R7**	**4**	**23**	**4,027,964:28:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	**97**	**185**	**15:56:55.866**	**C9HNSTRCAL02-**		**-----STOP-------**		**4R7**	**4**	**23**	**: :**	
495	**97**	**185**	**16:00:58.533**	**C9JNAURRTB05-**		**-----START------**		**4R7**	**4**	**23**	**: :**	
496	97	185	16:02:15.200	165MX4A	7SCAN	NORM,105.731,23.	Check S/P Position	4R7	4	23	4,027,970:30:0	
497	97	185	16:03:51.866	127EA	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	23	4,027,971:84:0	
498	**97**	**185**	**16:03:51.866**	**127EA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,027,971:84:0**	
499	**97**	**185**	**16:03:52.533**	**127EA4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,027,971:85:0**	
500	97	185	16:04:00.533	127EA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,027,972:06:0	
501	**97**	**185**	**16:04:16.533**	**432KI6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,027,972:30:0**	
502	**97**	**185**	**16:09:18.533**	**432KJ6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,027,977:28:0**	
503	**97**	**185**	**16:10:04.533**	**C9JNAURRTB05-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
504	97	185	16:10:56.533	125LX	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,027,978:84:0	
505	97	185	16:10:56.533	125LX11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,027,978:84:0	
506	**97**	**185**	**16:10:56.533**	**125LX4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,027,978:84:0**	
507	97	185	16:11:03.200	175MC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,027,979:03:0	
508	97	185	16:11:03.200	432OE431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	4,027,979:03:0	
509	97	185	16:11:03.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1989.96 +/-	4R3	4	0	4,027,979:03:0	
510	97	185	16:11:03.866	432OE6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,027,979:04:0	
511	97	185	16:11:04.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1990.02 +/-	4R3	4	0	4,027,979:04:8	
512	97	185	16:11:07.200	282NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	4,027,979:09:0	
513	97	185	16:11:56.533	282NB432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	4,027,979:83:0	
514	97	185	16:11:57.200	282NB432A6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,027,979:84:0	
515	**97**	**185**	**16:12:05.866**	**C9JNAUCAMB02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
516	97	185	16:13:22.533	165MT4A	7SCAN	NORM,106.934999,	Check S/P Position	4R3	4	0	4,027,981:30:0	
517	97	185	16:13:58.533	125EQ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,027,981:84:0	
518	97	185	16:13:58.533	125EQ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,027,981:84:0	
519	**97**	**185**	**16:13:58.533**	**125EQ4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**4,027,981:84:0**	
520	**97**	**185**	**16:14:59.200**	**127EQ4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**4R1**	**4**	**0**	**4,027,982:84:0**	
521	97	185	16:14:59.200	127EQ	NIMSTAB	GS	%%%%% GROUP START TAB	4R1	4	0	4,027,982:84:0	
522	**97**	**185**	**16:14:59.866**	**127EQ4B**	**37ETB**	**0A,CA,0C,3D,FC,0**	**Loads wavelength edit table**	**4R1**	**4**	**0**	**4,027,982:85:0**	
523	97	185	16:15:07.866	127EQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R1	4	0	4,027,983:06:0	
524	97	185	16:15:53.200	175EQ422A6A	6DMSC	R7,3	DMS Control	4R1	4	0	4,027,983:74:0	
525	97	185	16:15:53.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1990.02 +/-	4R1	4	0	4,027,983:74:0	
526	97	185	16:15:55.200	117MT	**CSMOS**	GS	***** GROUP START CSMOS	4R1	4	0	4,027,983:77:0	
527	97	185	16:15:59.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1990.02 +/-	4R1	4	0	4,027,983:84:0	
528	97	185	16:16:01.200	175EQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R1	4	0	4,027,983:86:0	
529	97	185	16:16:01.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1990.14 +/-	4R1	4	0	4,027,983:86:1	
530	97	185	16:16:01.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1990.14 +/-	4R1	4	0	4,027,983:86:1	
531	97	185	16:16:04.533	117MT105A106A4A	7STRP	0.028007,0.0002,	Slew =,0.12	4R1	4	0	4,027,984:00:0	
532	**97**	**185**	**16:16:04.533**	**C9JNAUCAMB02-**	**NIMPBK**	**301KF**	**AURORAL CAMPAIGN B MAP NO. 2**	**4R1**	**4**	**0**	**: :**	
533	97	185	16:21:04.533	117MT11A	**CSMOS**	GE	***** GROUP END CSMOS	4R1	4	0	4,027,988:86:0	
534	**97**	**185**	**16:21:07.866**	**C9JNAUCAMB02-**	**DESELC**	**300KF**	**AURORAL CAMPAIGN B MAP NO. 2**	**4R1**	**4**	**0**	**: :**	
535	97	185	16:21:09.866		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2062.46 +/-	4R1	4	0	4,027,989:03:0	
536	97	185	16:21:09.866	175EQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R1	4	0	4,027,989:03:0	
537	97	185	16:21:09.866	175EQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	4,027,989:03:0	
538	97	185	16:21:11.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2062.52 +/-	4R1	4	0	4,027,989:04:8	
539	**97**	**185**	**16:21:11.866**	**C9JNAUCAMB02-**		**-----STOP-------**		**4R1**	**4**	**0**	**: :**	
540	**97**	**185**	**16:22:12.533**	**C9NNCHOPOF02-**		**-----START------**		**4R1**	**4**	**0**	**: :**	
541	97	185	16:23:04.533	127FZ	NIMSTAB	GS	%%%%% GROUP START TAB	4R1	4	0	4,027,990:84:0	
542	**97**	**185**	**16:23:04.533**	**127FZ4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**4,027,990:84:0**	
543	**97**	**185**	**16:23:05.200**	**127FZ4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**4,027,990:85:0**	
544	97	185	16:23:13.200	127FZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	4,027,991:06:0	
545	**97**	**185**	**16:23:13.200**	**C9NNCRUISE01-**		**-----START------**		**4R0**	**4**	**0**	**: :**	
546	97	185	16:24:59.866	41SR99A	POWER	PWR MODE change	Change to Maneuver/Playback Mode	4R0	4	0	4,027,992:75:0	
547	**97**	**185**	**16:26:53.866**	**41SR3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4R0**	**4**	**0**	**4,027,994:64:0**	
548	**97**	**185**	**16:27:03.866**	**41SR3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4R0**	**4**	**0**	**4,027,994:79:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	**97**	**185**	**16:27:13.866**	**41SR3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4R0**	**4**	**0**	**4,027,995:03:0**	
550	**97**	**185**	**16:27:23.866**	**41SR3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4R0**	**4**	**0**	**4,027,995:18:0**	
551	97	185	16:28:07.866	125FZ	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,027,995:84:0	
552	**97**	**185**	**16:28:07.866**	**125FZ4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**4,027,995:84:0**	
553	**97**	**185**	**16:29:08.533**	**125FZ4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**4,027,996:84:0**	
554	97	185	16:29:59.866	444UC443A4A	**7MODE**	**CRU**	**AACS CRUISE MODE**	460	4	0	4,027,997:70:0	
555	97	185	16:30:09.200	125FZ11A	NIMSINIT	GE	##### GROUP END INIT	460	4	0	4,027,997:84:0	
556	**97**	**185**	**16:30:09.200**	**125FZ4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**4,027,997:84:0**	
557	**97**	**185**	**16:33:19.866**	**C9NNCHOPOF02-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
558	97	185	16:35:03.866	20UB4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,028,002:71:0	
559	97	185	16:35:53.866	20UB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,028,003:55:0	
560	**97**	**185**	**16:38:23.200**	**C9NNCRUISE01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
561	97	185	20:17:41.866	488AT6A	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	4O0	4	0	4,028,222:88:0	
562	97	185	21:29:59.866	488AT6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,028,294:43:0	
563	97	185	21:30:00.533	282NY432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,028,294:44:0	
564	97	185	21:30:01.200	282NY432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,028,294:45:0	
565	97	185	21:32:21.866	488AT6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,028,296:74:0	
566	97	185	22:02:13.866	488AT6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,028,326:32:0	
567	97	185	22:03:49.200	488AT6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,028,327:84:0	
568	97	185	22:08:37.866	488AU6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,028,332:62:0	
569	97	186	05:19:55.200	488AV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,028,759:21:0	
570	97	186	05:36:37.866	488AV6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,028,775:69:0	
571	97	186	06:40:37.866	488AV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,028,839:05:0	
572	97	186	06:41:14.533	488AV6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,028,839:60:0	
573	97	186	07:08:04.533	488AV6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,028,866:18:0	
574	97	186	10:20:48.533	488AW6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,029,056:74:0	
575	97	186	10:24:37.866	488AW6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,029,060:54:0	
576	97	186	10:26:17.866	488AW6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,029,062:22:0	
577	97	186	10:39:11.866	176SJ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,029,075:00:0	
578	97	186	15:13:18.466	488AW6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,029,346:09:0	
579	97	186	15:36:43.133	488AW6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,029,369:23:0	
580	97	186	20:13:25.800	488AX6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,029,642:84:0	
581	97	186	21:08:53.800	488AX6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,029,697:71:0	
582	97	186	21:57:57.800	488AX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,029,746:28:0	
583	97	186	22:15:01.800	488AX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,029,763:17:0	
584	97	186	22:55:33.800	488AX6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,029,803:25:0	
585	97	186	23:59:59.800	481UA4A	7VECT		Inert vect update UTC	4O0	4	0	4,029,867:00:0	
586	97	187	00:05:03.133	176BC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,029,872:00:0	
587	97	187	00:08:04.466	165BM4A	7SCAN	NORM,317.743999,	Check S/P Position	4O0	4	0	4,029,874:90:0	
588	97	187	00:12:13.133	20UH4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,029,879:08:0	
589	97	187	00:13:03.133	20UH4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,029,879:83:0	
590	97	187	00:14:09.133	176BD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,029,881:00:0	
591	97	187	05:13:09.800	488AY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,030,176:66:0	
592	97	187	05:51:33.800	488AY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,030,214:64:0	
593	97	187	10:16:32.466	488AY6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,030,476:70:0	
594	97	187	10:20:21.800	488AY6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,030,480:50:0	
595	97	187	10:22:01.800	488AY6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,030,482:18:0	
596	97	187	20:13:25.733	488AZ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,031,067:09:0	
597	97	187	21:23:49.733	488AZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,031,136:66:0	
598	97	187	21:53:41.733	488AZ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,031,166:24:0	
599	97	187	22:25:41.733	488AZ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,031,197:83:0	
600	97	187	23:19:46.400	488AZ6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,031,251:36:0	
601	97	187	23:48:52.400	488BA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,031,280:16:0	
602	97	188	00:20:53.733	488BA6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,031,311:77:0	
603	97	188	04:07:01.733	488BA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,031,535:45:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	97	188	05:02:29.733	488BA6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,031,590:32:0	
605	97	188	05:25:57.733	488BA6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,031,613:51:0	
606	97	188	06:24:45.733	488BB6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,031,671:65:0	
607	97	188	06:29:57.733	488BB6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,031,676:78:0	
608	97	188	07:02:58.400	488BB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,031,709:46:0	
609	97	188	10:16:32.400	488BB6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,031,900:86:0	
610	97	188	10:20:21.733	488BB6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,031,904:66:0	
611	97	188	10:22:01.733	488BC6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,031,906:34:0	
612	97	188	15:03:12.400	488BC6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,032,184:42:0	
613	97	188	15:26:37.066	488BC6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,032,207:56:0	
614	97	188	20:07:01.733	488BD6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,032,484:86:0	
615	97	188	21:23:49.733	488BD6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,032,560:82:0	
616	97	188	21:53:41.733	488BD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,032,590:40:0	
617	97	188	22:10:45.733	488BD6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,032,607:29:0	
618	97	188	22:44:53.733	488BD6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,032,641:07:0	
619	97	189	05:08:53.666	488BE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,033,020:78:0	
620	97	189	05:40:53.666	488BE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,033,052:46:0	
621	97	189	11:07:44.333	488BE6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,033,375:69:0	
622	97	189	11:11:33.666	488BF6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,033,379:49:0	
623	97	189	11:13:13.666	488BF6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,033,381:17:0	
624	97	189	17:14:00.333	176JA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,033,738:00:0	
625	97	189	18:01:50.333	488BG6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,033,785:28:0	
626	97	189	18:03:17.666	488BG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,033,786:68:0	
627	97	189	20:59:29.000	176JB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,033,961:00:0	
628	97	189	21:50:07.666	488BG6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,034,011:08:0	
629	97	189	22:00:05.666	488BG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,034,020:86:0	
630	97	189	22:44:53.666	488BG6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,034,065:23:0	
631	97	190	05:02:29.666	488BH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,034,438:64:0	
632	97	190	05:36:37.666	488BH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,034,472:42:0	
633	97	190	10:08:00.266	488BH6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,034,740:78:0	
634	97	190	10:11:49.600	488BH6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,034,744:58:0	
635	97	190	10:13:29.600	488BH6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,034,746:26:0	
636	97	190	19:58:29.600	488BI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,035,324:78:0	
637	97	190	21:13:09.600	488BI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,035,398:64:0	
638	97	190	21:43:01.600	488BI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,035,428:22:0	
639	97	190	22:10:45.600	488BI6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,035,455:61:0	
640	97	190	23:04:36.266	488BI6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,035,508:84:0	
641	97	190	23:33:42.933	488BJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,035,537:65:0	
642	97	191	00:05:57.600	488BJ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,035,569:55:0	
643	97	191	03:58:29.600	488BJ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,035,799:53:0	
644	97	191	04:53:57.600	488BJ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,035,854:40:0	
645	97	191	05:15:17.600	488BJ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,035,875:49:0	
646	97	191	06:15:01.600	488BK6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,035,934:56:0	
647	97	191	06:15:58.933	488BK6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,035,935:51:0	
648	97	191	06:47:48.266	488BK6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,035,967:03:0	
649	97	191	10:01:36.266	488BK6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,036,158:64:0	
650	97	191	10:05:25.600	488BK6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,036,162:44:0	
651	97	191	10:07:05.600	488BL6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,036,164:12:0	
652	97	191	14:48:02.200	488BL6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,036,441:90:0	
653	97	191	14:57:08.866	176SB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,036,451:00:0	
654	97	191	15:01:20.200	20UY4B	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	4,036,455:13:0	
655	97	191	15:11:26.866	488BL6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,036,465:13:0	
656	97	191	15:20:20.200	20UY4D	**7MODE**	**INT**	**AACS INERTIAL MODE**	4O0	4	0	4,036,473:85:0	
657	97	191	17:46:51.533	488BM6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,036,618:77:0	
658	97	191	17:48:21.533	488BM6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,036,620:30:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	97	191	18:01:04.200	20Z6A	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,036,632:82:0	
660	97	191	18:10:00.200	474AA416A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4O0	4	0	4,036,641:67:0	
661	97	191	18:12:00.200	474AA416A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	4,036,643:65:0	
662	97	191	18:16:14.200	474AA416A4E	7BURN	Z,56.7004,-16.27	ALERT -- Thruster fire	4O0	4	0	4,036,647:82:0	
663	97	191	19:22:58.200	474AA416A4I	7BURN	Z,56.7004,-16.27	ALERT -- Thruster fire	4O0	4	0	4,036,713:82:0	
664	97	191	20:29:42.200	474AA416A4M	7BURN	Z,56.7004,-16.27	ALERT -- Thruster fire	4O0	4	0	4,036,779:82:0	
665	97	191	21:16:26.200	474AA416A4O	7BURN	T,56.7004,-16.27	ALERT -- Thruster fire	4O0	4	0	4,036,826:11:0	
666	97	191	22:39:48.200	474AA416A4V	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	4,036,908:52:0	
667	97	192	04:00:00.200	444UD443A4A	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	4,037,225:23:0	
668	97	192	04:00:37.533	488BN6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,037,225:79:0	
669	97	192	04:03:14.200	488BN6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,037,228:41:0	
670	97	192	04:05:04.200	20UC4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,037,230:24:0	
671	97	192	04:05:54.200	20UC4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,037,231:08:0	
672	97	192	04:07:50.200	176SK6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,037,233:00:0	
673	97	192	04:08:50.200	432OS431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,037,233:90:0	
674	97	192	04:08:50.866	432OS6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,037,234:00:0	
675	97	192	04:53:57.533	488BN6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,037,278:56:0	
676	97	192	05:25:57.533	488BN6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,037,310:24:0	
677	97	192	09:57:20.200	488BN6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,037,578:60:0	
678	97	192	10:01:09.533	488BO6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,037,582:40:0	
679	97	192	10:02:49.533	488BO6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,037,584:08:0	
680	97	192	17:53:00.200	488BP6A	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	4O0	4	0	4,038,049:09:0	
681	97	192	17:57:57.533	176SC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,038,054:00:0	
682	97	192	18:02:00.200	20UU4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,038,058:00:0	
683	97	192	18:03:00.200	20UU4D	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	4O0	4	0	4,038,058:90:0	
684	97	192	18:05:00.200	20UU4E	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	4,038,060:88:0	
685	97	192	18:10:30.200	20UU4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	4,038,066:37:0	
686	97	192	18:10:30.866	20UU4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	4,038,066:38:0	
687	97	192	18:10:50.866	20UU4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	4,038,066:68:0	
688	97	192	18:10:51.533	20UU4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	4,038,066:69:0	
689	97	192	18:11:11.533	20UU4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,038,067:08:0	
690	97	192	18:11:12.200	20UU4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,038,067:09:0	
691	97	192	18:11:22.200	20UU4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,038,067:24:0	
692	97	192	18:11:22.866	20UU4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,038,067:25:0	
693	97	192	18:11:32.866	20UU4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	4,038,067:40:0	
694	97	192	18:11:33.533	20UU4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	4,038,067:41:0	
695	97	192	18:13:20.200	20UU4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	4,038,069:19:0	
696	97	192	18:13:20.866	20UU4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	4,038,069:20:0	
697	97	192	18:13:40.866	20UU4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	4,038,069:50:0	
698	97	192	18:13:41.533	20UU4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	4,038,069:51:0	
699	97	192	18:14:01.533	20UU4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,038,069:81:0	
700	97	192	18:14:02.200	20UU4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,038,069:82:0	
701	97	192	18:14:12.200	20UU4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,038,070:06:0	
702	97	192	18:14:12.866	20UU4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,038,070:07:0	
703	97	192	18:14:22.866	20UU4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	4,038,070:22:0	
704	97	192	18:14:23.533	20UU4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	4,038,070:23:0	
705	97	192	18:15:20.200	20UU4Z	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	4,038,071:17:0	
706	97	192	18:34:59.533	432OL431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,038,090:57:0	
707	97	192	18:35:00.200	432OL6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,038,090:58:0	
708	97	192	18:41:04.200	20UD4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,038,096:58:0	
709	97	192	18:41:54.200	20UD4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,038,097:42:0	
710	97	192	18:44:28.200	176SL6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,038,100:00:0	
711	97	192	19:47:49.466	488BP6B	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	4O0	4	0	4,038,162:60:0	
712	97	192	20:01:00.133	488BP6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,038,175:63:0	
713	97	192	21:02:29.466	488BP6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,038,236:46:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	97	192	21:32:21.466	488BP6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,038,266:04:0	
715	97	192	22:00:05.466	488BQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,038,293:43:0	
716	97	192	22:59:30.800	488BQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,038,352:22:0	
717	97	192	23:28:36.800	488BQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,038,381:02:0	
718	97	192	23:55:17.466	488BQ6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,038,407:37:0	
719	97	192	23:56:54.133	176BE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,038,409:00:0	
720	97	192	23:59:55.466	165BN4A	7SCAN	NORM,317.743999,	Check S/P Position	4O0	4	0	4,038,411:90:0	
721	97	193	00:04:04.133	20UI4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,038,416:08:0	
722	97	193	00:04:54.133	20UI4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,038,416:83:0	
723	97	193	00:06:00.133	176BF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,038,418:00:0	
724	97	193	03:47:49.466	488BQ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,038,637:35:0	
725	97	193	05:25:57.466	488BR6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,038,734:40:0	
726	97	193	06:05:52.800	488BR6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,038,773:84:0	
727	97	193	06:32:42.133	488BR6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,038,800:41:0	
728	97	193	10:21:00.800	488BR6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,039,026:23:0	
729	97	193	10:26:45.466	488BR6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,039,031:85:0	
730	97	193	11:28:30.133	488BS6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,039,093:00:0	
731	97	193	19:43:33.466	488BT6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,039,582:56:0	
732	97	193	20:58:13.466	488BT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,039,656:42:0	
733	97	193	21:28:05.466	488BT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,039,686:00:0	
734	97	193	21:45:09.466	488BT6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,039,702:80:0	
735	97	193	22:25:41.466	488BT6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,039,742:88:0	
736	97	194	04:43:17.400	488BU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,040,116:38:0	
737	97	194	05:21:41.400	488BU6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,040,154:36:0	
738	97	194	09:13:54.733	41SA99A	POWER	PWR MODE change	Change to Calib/Decon Mode	4O0	4	0	4,040,384:06:0	
739	**97**	**194**	**09:13:54.733**	**C9NNRCTRLT01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
740	**97**	**194**	**09:13:58.733**	**41SA3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,040,384:12:0**	
741	**97**	**194**	**09:14:08.733**	**41SA3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,040,384:27:0**	
742	**97**	**194**	**09:14:18.733**	**41SA3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,040,384:42:0**	
743	**97**	**194**	**09:14:28.733**	**41SA3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,040,384:57:0**	
744	97	194	09:24:58.066	176XU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,040,395:00:0	
745	97	194	09:28:04.066	20XE4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	4,040,398:06:0	
746	97	194	09:32:10.733	20UQ4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,040,402:12:0	
747	97	194	09:33:00.733	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,040,402:87:0	
748	97	194	09:35:04.733	176XV6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,040,405:00:0	
749	**97**	**194**	**09:36:05.400**	**185XE10A3A**	**40HRP**	**1**	**RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**4,040,406:00:0**	
750	**97**	**194**	**09:36:10.733**	**185XE10B3A**	**40HRP**	**2**	**RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**4,040,406:08:0**	
751	97	194	09:53:04.066	488BU6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,040,422:72:0	
752	97	194	09:56:53.400	488BU6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,040,426:52:0	
753	97	194	09:58:33.400	488BU6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,040,428:20:0	
754	97	194	19:43:33.400	488BV6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,041,006:72:0	
755	97	194	20:53:57.400	488BV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,041,076:38:0	
756	97	194	21:28:05.400	488BV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,041,110:16:0	
757	97	194	21:30:52.066	125XE	NIMSINIT	GS	##### GROUP START INIT	4O0	4	0	4,041,112:84:0	
758	**97**	**194**	**21:30:52.066**	**125XE4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**4,041,112:84:0**	
759	**97**	**194**	**21:31:52.733**	**125XE4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**4R0**	**4**	**0**	**4,041,113:84:0**	
760	**97**	**194**	**21:32:53.400**	**125XE4C**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**4,041,114:84:0**	
761	97	194	21:33:54.066	125XE11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	4,041,115:84:0	
762	**97**	**194**	**21:33:54.066**	**125XE4D**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**4,041,115:84:0**	
763	**97**	**194**	**21:35:55.400**	**127XE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**4,041,117:84:0**	
764	97	194	21:35:55.400	127XE	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	4,041,117:84:0	
765	**97**	**194**	**21:35:56.066**	**127XE4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**4,041,117:85:0**	
766	97	194	21:36:04.066	127XE11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	4,041,118:06:0	
767	**97**	**194**	**21:37:20.733**	**33A4A**	**37MPT**	**1,192,192**	**Modify Parameter Table (affects scanning m**	**1R3**	**4**	**0**	**4,041,119:30:0**	
768	97	194	21:40:02.733	176XE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	4,041,122:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	97	194	21:45:09.400	488BV6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1R3	4	0	4,041,127:05:0	
770	97	194	21:46:06.733	192XE4A	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	4,041,128:00:0	
771	**97**	**194**	**21:48:28.066**	**432XE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,041,130:30:0**	
772	**97**	**194**	**21:49:27.400**	**432XF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,041,131:28:0**	
773	97	194	21:52:10.733	192XE4B	**7CONE**	**17.0,0.0**	**Check S/P Position**	1R3	4	0	4,041,134:00:0	
774	**97**	**194**	**21:54:32.066**	**432XU6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,041,136:30:0**	
775	**97**	**194**	**21:56:32.066**	**432XV6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,041,138:28:0**	
776	97	194	21:58:14.733	192XE4C	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	4,041,140:00:0	
777	**97**	**194**	**22:00:16.066**	**185XE10C3A**	**40HRPR**	**1**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**4,041,142:00:0**	
778	**97**	**194**	**22:00:21.400**	**185XE10D3A**	**40HRPR**	**2**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**4,041,142:08:0**	
779	**97**	**194**	**22:00:36.066**	**432XW6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,041,142:30:0**	
780	**97**	**194**	**22:01:35.400**	**432XY6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,041,143:28:0**	
781	97	194	22:04:18.733	192XE4D	**7CONE**	**17.0,153.0**	**Check S/P Position**	1R3	4	0	4,041,146:00:0	
782	97	194	22:05:14.733	127XF	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	4,041,146:84:0	
783	**97**	**194**	**22:05:14.733**	**127XF4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**4,041,146:84:0**	
784	**97**	**194**	**22:05:15.400**	**127XF4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**1R0**	**4**	**0**	**4,041,146:85:0**	
785	97	194	22:05:23.400	127XF11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R0	4	0	4,041,147:06:0	
786	97	194	22:08:16.733	125XF	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	4,041,149:84:0	
787	**97**	**194**	**22:08:16.733**	**125XF4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**4,041,149:84:0**	
788	**97**	**194**	**22:09:17.400**	**125XF4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**4,041,150:84:0**	
789	**97**	**194**	**22:10:18.066**	**125XF4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**4,041,151:84:0**	
790	97	194	22:10:18.066	125XF11A	NIMSINIT	GE	##### GROUP END INIT	1O0	4	0	4,041,151:84:0	
791	97	194	22:16:30.733	41SY99A	POWER	PWR MODE change	Change to Maneuver/Playback Mode	1O0	4	0	4,041,158:06:0	
792	**97**	**194**	**22:18:24.733**	**41SY3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,041,159:86:0**	
793	**97**	**194**	**22:18:34.733**	**41SY3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,041,160:10:0**	
794	**97**	**194**	**22:18:44.733**	**41SY3I**	**40T2**	**1**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,041,160:25:0**	
795	**97**	**194**	**22:18:54.733**	**41SY3J**	**40T2**	**2**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,041,160:40:0**	
796	97	194	22:25:41.400	488BV6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,041,167:13:0	
797	97	194	22:26:41.400	20UR4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,041,168:12:0	
798	97	194	22:27:31.400	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,041,168:87:0	
799	97	194	22:29:35.400	176XF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,041,171:00:0	
800	**97**	**194**	**22:29:39.399**	**C9NNRCTRLT01-**		**-----STOP-------**		**1O0**	**4**	**0**	**: :**	
801	97	195	01:39:00.066	488BW6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	1O0	4	0	4,041,358:30:0	
802	97	195	01:44:44.066	176KB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,041,364:00:0	
803	97	195	01:45:00.066	488BW6B	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	1O0	4	0	4,041,364:24:0	
804	97	195	02:25:02.066	490UA412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	1O0	4	0	4,041,403:78:0	
805	97	195	02:30:00.066	490UA412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	4,041,408:70:0	
806	97	195	02:34:10.066	490UA412A4E	7VECT		Inert vect update UTC	1O0	4	0	4,041,412:81:0	
807	97	195	02:34:14.066	490UA412A4F	7TURN	2,RTH	ALERT Thruster	1O0	4	0	4,041,412:87:0	
808	97	195	02:38:02.066	490UA412A406A4A	7STAR	1,3000,95.710999	Star catalog update	1O0	4	0	4,041,416:65:0	
809	97	195	02:38:04.066	490UA412A406A4B	7STAR	2,98,27.694,63.4	Star catalog update	1O0	4	0	4,041,416:68:0	
810	97	195	02:38:06.066	490UA412A406A4C	7STAR	3,138,199.44	Star catalog update	1O0	4	0	4,041,416:71:0	
811	97	195	02:38:08.066	490UA412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	1O0	4	0	4,041,416:74:0	
812	97	195	02:38:10.066	490UA412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	1O0	4	0	4,041,416:77:0	
813	97	195	02:38:12.066	490UA412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	1O0	4	0	4,041,416:80:0	
814	97	195	03:13:41.400	488BW6C	6TMSED	NORM,EH5	Sci, Eng, and D/L Chan	1O0	4	0	4,041,451:89:0	
815	97	195	03:46:12.733	490UA412A4L	**7MODE**	**CRU**	**AACS CRUISE MODE**	1O0	4	0	4,041,484:13:0	
816	97	195	04:02:59.400	432PG431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	4,041,500:67:0	
817	97	195	04:03:00.066	432PG6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,041,500:68:0	
818	**97**	**195**	**04:04:56.667**	**C9NNPCTRLT01-**		**-----START------**		**1O0**	**4**	**0**	**: :**	
819	97	195	04:05:00.066	488BW6D	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	1O0	4	0	4,041,502:66:0	
820	97	195	04:05:00.066	41SI99A	POWER	PWR MODE change	Change to Data Taking Mode	1O0	4	0	4,041,502:66:0	
821	**97**	**195**	**04:05:04.066**	**41SI3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**4,041,502:72:0**	
822	**97**	**195**	**04:05:14.066**	**41SI3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**4,041,502:87:0**	
823	**97**	**195**	**04:05:24.066**	**41SI3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**4,041,503:11:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	**97**	**195**	**04:05:34.066**	**41SI3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**4,041,503:26:0**	
825	97	195	04:39:01.400	488BW6E	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	1O0	4	0	4,041,536:34:0	
826	97	195	04:39:39.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2062.52 +/-	1O0	4	0	4,041,537:00:0	
827	97	195	04:39:39.400		DMS:	: *SLEW-TIC	P7, TRACK *1, FWD, TIC 2062.52 +/-	1O0	4	0	4,041,537:00:0	
828	97	195	04:39:39.400	465KQ6A	6DMST	2133	DMS Slew to TIC	1O0	4	0	4,041,537:00:0	
829	97	195	04:39:46.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2062.52 +/-	1O0	4	0	4,041,537:10:0	
830	97	195	04:39:47.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2062.64 +/-	1O0	4	0	4,041,537:12:1	
831	97	195	04:44:38.200		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2130.94 +/-	1O0	4	0	4,041,541:84:2	
832	97	195	04:44:39.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2131.00 +/-	1O0	4	0	4,041,541:86:0	
833	97	195	05:06:45.400	488BX6A	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	1O0	4	0	4,041,563:73:0	
834	97	195	06:10:45.400	488BX6B	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	1O0	4	0	4,041,627:09:0	
835	97	195	06:14:41.400	165AU4A	7SCAN	NORM,238.858,-22	Check S/P Position	1O0	4	0	4,041,630:90:0	
836	97	195	06:18:35.400	117AU	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	4,041,634:77:0	
837	97	195	06:18:44.733	117AU105A106A4A	7STRP	0.016001,0.0,0,0	Slew =,0.01	1O0	4	0	4,041,635:00:0	
838	97	195	06:48:04.066	117AU105A106A4B	7STRP	-0.016001,0.0,0,	Slew =17.01	1O0	4	0	4,041,664:00:0	
839	97	195	06:49:04.733	117AU105A106A4C	7STRP	0.016001,0.0,0,0	Slew =,0.01	1O0	4	0	4,041,665:00:0	
840	97	195	07:18:24.066	117AU105A106A4D	7STRP	-0.016001,0.0,0,	Slew =17.01	1O0	4	0	4,041,694:00:0	
841	97	195	07:19:24.733	117AU105A106A4E	7STRP	0.016001,0.0,0,0	Slew =,0.01	1O0	4	0	4,041,695:00:0	
842	97	195	07:48:44.066	117AU11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	4,041,724:00:0	
843	97	195	07:49:44.066	165AV4A	7SCAN	NORM,278.436996,	Check S/P Position	1O0	4	0	4,041,724:90:0	
844	97	195	07:53:38.066	117AV	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	4,041,728:77:0	
845	97	195	07:53:47.400	117AV105A106A4A	7STRP	0.016001,0.0,0,0	Slew =,0.01	1O0	4	0	4,041,729:00:0	
846	97	195	08:23:06.733	117AV105A106A4B	7STRP	-0.016001,0.0,0,	Slew =17.01	1O0	4	0	4,041,758:00:0	
847	97	195	08:24:07.400	117AV105A106A4C	7STRP	0.016001,0.0,0,0	Slew =,0.01	1O0	4	0	4,041,759:00:0	
848	97	195	08:53:26.666	117AV105A106A4D	7STRP	-0.016001,0.0,0,	Slew =17.01	1O0	4	0	4,041,788:00:0	
849	97	195	08:54:27.333	117AV105A106A4E	7STRP	0.016001,0.0,0,0	Slew =,0.01	1O0	4	0	4,041,789:00:0	
850	97	195	09:23:46.666	117AV11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	4,041,818:00:0	
851	97	195	09:28:00.000	444UE443A4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	4,041,822:16:0	
852	97	195	09:32:00.000	444UE443A4B	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	1O0	4	0	4,041,826:12:0	
853	97	195	09:41:00.000	444UE443A4C	**7CLK**	**17.45,0.0**	**Check S/P Position**	1O0	4	0	4,041,835:03:0	
854	97	195	09:44:59.333	432PC431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	4,041,838:89:0	
855	97	195	09:45:00.000	432PC6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,041,838:90:0	
856	97	195	09:49:03.333	465KR6A	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	4,041,843:00:0	
857	97	195	09:49:03.333		DMS:	: READY	RDY, TRACK *3, FWD, TIC 2131.00 +/-	1O0	4	0	4,041,843:00:0	
858	97	195	09:59:00.000	488BX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,041,852:76:0	
859	97	195	10:03:02.000		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2131.00 +/-	1O0	4	0	4,041,856:75:0	
860	97	195	10:03:02.000	175TB422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,041,856:75:0	
861	97	195	10:03:08.666		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2131.00 +/-	1O0	4	0	4,041,856:85:0	
862	97	195	10:03:10.000	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,041,856:87:0	
863	97	195	10:03:10.000	282NC431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	1O0	4	0	4,041,856:87:0	
864	97	195	10:03:10.066		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2131.12 +/-	1O0	4	0	4,041,856:87:1	
865	97	195	10:03:10.066		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2131.12 +/-	1O0	4	0	4,041,856:87:1	
866	97	195	10:03:12.666	431OG6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	1O0	4	0	4,041,857:00:0	
867	97	195	10:13:18.666	428JD6A	6RCCLR			1O0	4	0	4,041,866:90:0	
868	97	195	10:13:19.333	428JD6B	6RCSET	14		1O0	4	0	4,041,867:00:0	
869	97	195	10:20:24.000	192IA4A	**7CONE**	**17.4,60.36**	**Check S/P Position**	1O0	4	0	4,041,874:00:0	
870	97	195	10:20:24.666	192IA4B	**7CLK**	**17.4,243.619999**	**Check S/P Position**	1O0	4	0	4,041,874:01:0	
871	97	195	10:24:22.000	175JN422A6A	6DMSC	R806,3	DMS Control	1O0	4	0	4,041,877:84:0	
872	97	195	10:24:22.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2429.23 +/-	1O0	4	0	4,041,877:84:0	
873	97	195	10:24:23.200		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *2429.29 +/-	1O0	4	0	4,041,877:85:8	
874	97	195	10:24:28.000	175JN176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	1O0	4	0	4,041,878:02:0	
875	97	195	10:24:28.466		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 2495.29 +/-	1O0	4	0	4,041,878:02:7	
876	97	195	10:24:28.466		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2495.29 +/-	1O0	4	0	4,041,878:02:7	
877	97	195	10:24:52.666		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3090.84 +/-	1O0	4	0	4,041,878:39:0	
878	97	195	10:24:52.666	175TC422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,041,878:39:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	97	195	10:24:55.400		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3102.34 +/-	1O0	4	0	4,041,878:43:1	
880	97	195	10:24:56.666	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,041,878:45:0	
881	97	195	10:24:56.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3102.46 +/-	1O0	4	0	4,041,878:45:2	
882	97	195	10:24:56.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3102.46 +/-	1O0	4	0	4,041,878:45:2	
883	97	195	10:25:05.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3104.46 +/-	1O0	4	0	4,041,878:58:0	
884	97	195	10:25:05.333	175KT422A6A	6DMSC	R806,3	DMS Control	1O0	4	0	4,041,878:58:0	
885	97	195	10:25:06.533		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *3104.52 +/-	1O0	4	0	4,041,878:59:8	
886	97	195	10:25:11.333	175KT176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	1O0	4	0	4,041,878:67:0	
887	97	195	10:25:11.800		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3170.52 +/-	1O0	4	0	4,041,878:67:7	
888	97	195	10:25:11.800		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 3170.52 +/-	1O0	4	0	4,041,878:67:7	
889	97	195	10:25:18.666		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3339.50 +/-	1O0	4	0	4,041,878:78:0	
890	97	195	10:25:18.666	175TD422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,041,878:78:0	
891	97	195	10:25:21.400		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3351.00 +/-	1O0	4	0	4,041,878:82:1	
892	97	195	10:25:22.666	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,041,878:84:0	
893	97	195	10:25:22.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3351.12 +/-	1O0	4	0	4,041,878:84:2	
894	97	195	10:25:22.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3351.12 +/-	1O0	4	0	4,041,878:84:2	
895	97	195	10:25:31.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3353.12 +/-	1O0	4	0	4,041,879:06:0	
896	97	195	10:25:31.333	175KU422A6A	6DMSC	R806,3	DMS Control	1O0	4	0	4,041,879:06:0	
897	97	195	10:25:32.533		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *3353.18 +/-	1O0	4	0	4,041,879:07:8	
898	97	195	10:25:37.333	175KU176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	1O0	4	0	4,041,879:15:0	
899	97	195	10:25:37.800		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3419.18 +/-	1O0	4	0	4,041,879:15:7	
900	97	195	10:25:37.800		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 3419.18 +/- 1	1O0	4	0	4,041,879:15:7	
901	97	195	10:25:44.666	175TE422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,041,879:26:0	
902	97	195	10:25:44.666		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3588.16 +/- 1	1O0	4	0	4,041,879:26:0	
903	97	195	10:25:47.400		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3599.66 +/- 1	1O0	4	0	4,041,879:30:1	
904	97	195	10:25:48.666	175TE176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,041,879:32:0	
905	97	195	10:25:48.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3599.78 +/- 1	1O0	4	0	4,041,879:32:2	
906	97	195	10:25:48.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3599.78 +/- 1	1O0	4	0	4,041,879:32:2	
907	97	195	10:25:57.333	175KV422A6A	6DMSC	R806,3	DMS Control	1O0	4	0	4,041,879:45:0	
908	97	195	10:25:57.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3601.78 +/- 1	1O0	4	0	4,041,879:45:0	
909	97	195	10:25:58.533		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *3601.84 +/- 1	1O0	4	0	4,041,879:46:8	
910	97	195	10:26:03.333	175KV176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	1O0	4	0	4,041,879:54:0	
911	97	195	10:26:03.800		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3667.84 +/- 1	1O0	4	0	4,041,879:54:7	
912	97	195	10:26:03.800		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 3667.84 +/- 1	1O0	4	0	4,041,879:54:7	
913	97	195	10:26:10.666	175TF422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,041,879:65:0	
914	97	195	10:26:10.666		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3836.83 +/- 1	1O0	4	0	4,041,879:65:0	
915	97	195	10:26:13.400		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3848.33 +/- 1	1O0	4	0	4,041,879:69:1	
916	97	195	10:26:14.666	175TF176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,041,879:71:0	
917	97	195	10:26:14.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3848.45 +/- 1	1O0	4	0	4,041,879:71:2	
918	97	195	10:26:14.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3848.45 +/- 1	1O0	4	0	4,041,879:71:2	
919	97	195	10:27:30.000	175KW422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,041,881:02:0	
920	97	195	10:27:30.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3866.07 +/- 1	1O0	4	0	4,041,881:02:0	
921	97	195	10:27:31.200		DMS:	: *RUNUP	R115, TRACK 3, FWD, TIC *3866.13 +/- 1	1O0	4	0	4,041,881:03:8	
922	97	195	10:27:35.200		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3872.43 +/- 1	1O0	4	0	4,041,881:09:8	
923	97	195	10:27:35.200		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3872.43 +/- 1	1O0	4	0	4,041,881:09:8	
924	97	195	10:27:35.333	175KW176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,041,881:10:0	
925	97	195	10:28:29.333		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4062.75 +/- 1	1O0	4	0	4,041,882:00:0	
926	97	195	10:28:29.333	175TG422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,041,882:00:0	
927	97	195	10:28:30.533		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4063.75 +/- 1	1O0	4	0	4,041,882:01:8	
928	97	195	10:28:31.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4063.87 +/- 1	1O0	4	0	4,041,882:03:9	
929	97	195	10:28:31.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4063.87 +/- 1	1O0	4	0	4,041,882:03:9	
930	97	195	10:28:32.000	175TG176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,041,882:04:0	
931	97	195	10:29:31.333	175KX422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,041,883:02:0	
932	97	195	10:29:31.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4077.79 +/- 1	1O0	4	0	4,041,883:02:0	
933	97	195	10:29:32.533		DMS:	: *RUNUP	R115, TRACK 3, FWD, TIC *4077.85 +/- 1	1O0	4	0	4,041,883:03:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	97	195	10:29:36.533		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4084.15 +/- 1	1O0	4	0	4,041,883:09:8	
935	97	195	10:29:36.533		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4084.15 +/- 1	1O0	4	0	4,041,883:09:8	
936	97	195	10:29:36.666	175KX176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,041,883:10:0	
937	97	195	10:30:30.666	176ID6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,041,884:00:0	
938	97	195	10:31:16.666		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4436.18 +/- 1	1O0	4	0	4,041,884:69:0	
939	97	195	10:31:16.666	175TH422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,041,884:69:0	
940	97	195	10:31:17.866		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4437.18 +/- 2	1O0	4	0	4,041,884:70:8	
941	97	195	10:31:19.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4437.30 +/- 2	1O0	4	0	4,041,884:72:9	
942	97	195	10:31:19.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4437.30 +/- 2	1O0	4	0	4,041,884:72:9	
943	97	195	10:31:19.333	175TH176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,041,884:73:0	
944	97	195	10:31:26.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4439.03 +/- 2	1O0	4	0	4,041,884:84:0	
945	97	195	10:31:26.666	175KY422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,041,884:84:0	
946	97	195	10:31:27.866		DMS:	: *RUNUP	R115, TRACK 3, FWD, TIC *4439.09 +/- 2	1O0	4	0	4,041,884:85:8	
947	97	195	10:31:31.866		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4445.39 +/- 2	1O0	4	0	4,041,885:00:8	
948	97	195	10:31:31.866		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4445.39 +/- 2	1O0	4	0	4,041,885:00:8	
949	97	195	10:31:32.000	175KY176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,041,885:01:0	
950	97	195	10:31:46.666		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4497.43 +/- 2	1O0	4	0	4,041,885:23:0	
951	97	195	10:31:46.666	175TI422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,041,885:23:0	
952	97	195	10:31:47.866		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4498.43 +/- 2	1O0	4	0	4,041,885:24:8	
953	97	195	10:31:49.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4498.55 +/- 2	1O0	4	0	4,041,885:26:9	
954	97	195	10:31:49.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4498.55 +/- 2	1O0	4	0	4,041,885:26:9	
955	97	195	10:31:49.333	175TI176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,041,885:27:0	
956	97	195	10:31:57.333	175KZ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,041,885:39:0	
957	97	195	10:31:57.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4500.44 +/- 2	1O0	4	0	4,041,885:39:0	
958	97	195	10:31:58.533		DMS:	: *RUNUP	R115, TRACK 3, FWD, TIC *4500.50 +/- 2	1O0	4	0	4,041,885:40:8	
959	97	195	10:32:02.533		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4506.80 +/- 2	1O0	4	0	4,041,885:46:8	
960	97	195	10:32:02.533		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4506.80 +/- 2	1O0	4	0	4,041,885:46:8	
961	97	195	10:32:02.666	175KZ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,041,885:47:0	
962	97	195	10:32:17.333		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4558.83 +/- 2	1O0	4	0	4,041,885:69:0	
963	97	195	10:32:17.333	175TJ422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,041,885:69:0	
964	97	195	10:32:18.533		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4559.83 +/- 2	1O0	4	0	4,041,885:70:8	
965	97	195	10:32:19.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4559.95 +/- 2	1O0	4	0	4,041,885:72:9	
966	97	195	10:32:19.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4559.95 +/- 2	1O0	4	0	4,041,885:72:9	
967	97	195	10:32:20.000	175TJ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,041,885:73:0	
968	97	195	10:32:27.333	175LA422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,041,885:84:0	
969	97	195	10:32:27.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4561.68 +/- 2	1O0	4	0	4,041,885:84:0	
970	97	195	10:32:28.533		DMS:	: *RUNUP	R115, TRACK 3, FWD, TIC *4561.74 +/- 2	1O0	4	0	4,041,885:85:8	
971	97	195	10:32:32.533		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4568.04 +/- 2	1O0	4	0	4,041,886:00:8	
972	97	195	10:32:32.533		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4568.04 +/- 2	1O0	4	0	4,041,886:00:8	
973	97	195	10:32:32.666	175LA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,041,886:01:0	
974	97	195	10:32:47.333		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4620.07 +/- 2	1O0	4	0	4,041,886:23:0	
975	97	195	10:32:47.333	175TK422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,041,886:23:0	
976	97	195	10:32:48.533		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4621.07 +/- 2	1O0	4	0	4,041,886:24:8	
977	97	195	10:32:49.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4621.19 +/- 2	1O0	4	0	4,041,886:26:9	
978	97	195	10:32:49.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4621.19 +/- 2	1O0	4	0	4,041,886:26:9	
979	97	195	10:32:50.000	175TK176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,041,886:27:0	
980	97	195	10:32:58.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4623.08 +/- 2	1O0	4	0	4,041,886:39:0	
981	97	195	10:32:58.000	175LB422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,041,886:39:0	
982	97	195	10:32:59.200		DMS:	: *RUNUP	R115, TRACK 3, FWD, TIC *4623.14 +/- 2	1O0	4	0	4,041,886:40:8	
983	97	195	10:33:03.200		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4629.44 +/- 2	1O0	4	0	4,041,886:46:8	
984	97	195	10:33:03.200		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4629.44 +/- 2	1O0	4	0	4,041,886:46:8	
985	97	195	10:33:03.333	175LB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,041,886:47:0	
986	97	195	10:33:18.000		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4681.47 +/- 2	1O0	4	0	4,041,886:69:0	
987	97	195	10:33:18.000	175TL422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,041,886:69:0	
988	97	195	10:33:19.200		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4682.47 +/- 2	1O0	4	0	4,041,886:70:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	97	195	10:33:20.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4682.59 +/- 2	1O0	4	0	4,041,886:72:9	
990	97	195	10:33:20.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4682.59 +/- 2	1O0	4	0	4,041,886:72:9	
991	97	195	10:33:20.666	175TL176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,041,886:73:0	
992	97	195	10:33:28.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4684.33 +/- 2	1O0	4	0	4,041,886:84:0	
993	97	195	10:33:28.000	125FT	NIMSINIT	GS	##### GROUP START INIT	1O0	4	0	4,041,886:84:0	
994	**97**	**195**	**10:33:28.000**	**125FT4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**4,041,886:84:0**	
995	97	195	10:33:28.000	175LC422A6A	6DMSC	R115,3	DMS Control	160	4	0	4,041,886:84:0	
996	97	195	10:33:29.200		DMS:	: *RUNUP	R115, TRACK 3, FWD, TIC *4684.39 +/- 2	160	4	0	4,041,886:85:8	
997	97	195	10:33:33.200		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4690.69 +/- 2	160	4	0	4,041,887:00:8	
998	97	195	10:33:33.200		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4690.69 +/- 2	160	4	0	4,041,887:00:8	
999	97	195	10:33:33.333	175LC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	160	4	0	4,041,887:01:0	
1000	97	195	10:33:48.000		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4742.72 +/- 2	160	4	0	4,041,887:23:0	
1001	97	195	10:33:48.000	175TM422A6A	6DMSC	R7,3	DMS Control	160	4	0	4,041,887:23:0	
1002	97	195	10:33:49.200		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4743.72 +/- 2	160	4	0	4,041,887:24:8	
1003	97	195	10:33:50.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4743.84 +/- 2	160	4	0	4,041,887:26:9	
1004	97	195	10:33:50.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4743.84 +/- 2	160	4	0	4,041,887:26:9	
1005	97	195	10:33:50.666	175TM176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	160	4	0	4,041,887:27:0	
1006	**97**	**195**	**10:34:28.666**	**125FT4B**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**4,041,887:84:0**	
1007	97	195	10:35:29.333	125FT11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,041,888:84:0	
1008	**97**	**195**	**10:35:29.333**	**125FT4C**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**4,041,888:84:0**	
1009	97	195	10:35:34.000	192IA4C	**7CONE**	**17.4,153.0**	**Check S/P Position**	4R0	4	0	4,041,889:00:0	
1010	97	195	10:35:34.666	192IA4D	**7CLK**	**17.4,300.0**	**Check S/P Position**	4R0	4	0	4,041,889:01:0	
1011	**97**	**195**	**10:38:31.333**	**127FT4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,041,891:84:0**	
1012	97	195	10:38:31.333	127FT	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,041,891:84:0	
1013	**97**	**195**	**10:38:32.000**	**127FT4B**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,041,891:85:0**	
1014	97	195	10:38:40.000	127FT11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,041,892:06:0	
1015	**97**	**195**	**10:38:56.000**	**432EA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,041,892:30:0**	
1016	**97**	**195**	**10:40:56.000**	**432LU6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,041,894:28:0**	
1017	97	195	10:41:38.000	192EQ4A	**7CONE**	**17.0,54.88**	**Check S/P Position**	4R3	4	0	4,041,895:00:0	
1018	97	195	10:41:38.000	428JF6A	6RCCLR			4R3	4	0	4,041,895:00:0	
1019	97	195	10:41:38.666	192EQ4B	**7CLK**	**17.0,244.07**	**Check S/P Position**	4R3	4	0	4,041,895:01:0	
1020	**97**	**195**	**10:45:00.000**	**432EC6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,041,898:30:0**	
1021	97	195	10:48:44.666	175TM422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,041,902:03:0	
1022	97	195	10:48:44.666	432OG431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	4,041,902:03:0	
1023	97	195	10:48:44.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4953.39 +/- 2	4R3	4	0	4,041,902:03:0	
1024	97	195	10:48:45.333	432OG6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,041,902:04:0	
1025	97	195	10:48:45.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4953.45 +/- 2	4R3	4	0	4,041,902:04:8	
1026	97	195	10:48:48.666	282ND431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	4,041,902:09:0	
1027	97	195	10:49:37.333	282ND432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	4,041,902:82:0	
1028	97	195	10:49:38.000	282ND432A6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,041,902:83:0	
1029	**97**	**195**	**10:53:01.333**	**33B4A**	**37MPT**	**1,192,192**	**Modify Parameter Table (affects scanning m**	**4R3**	**4**	**0**	**4,041,906:24:0**	
1030	**97**	**195**	**10:55:05.333**	**432LS6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,041,908:28:0**	
1031	97	195	10:55:42.666	127FU	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,041,908:84:0	
1032	**97**	**195**	**10:55:42.666**	**127FU4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**4,041,908:84:0**	
1033	**97**	**195**	**10:55:43.333**	**127FU4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**4,041,908:85:0**	
1034	97	195	10:55:51.333	127FU11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	4,041,909:06:0	
1035	97	195	10:55:51.333	20FH4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4R0	4	0	4,041,909:06:0	
1036	**97**	**195**	**10:57:44.000**	**125FV4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**4,041,910:84:0**	
1037	97	195	10:57:44.000	125FV	NIMSINIT	GS	##### GROUP START INIT	460	4	0	4,041,910:84:0	
1038	**97**	**195**	**10:58:44.666**	**125FV4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**4,041,911:84:0**	
1039	97	195	10:59:45.333	125FV11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	4,041,912:84:0	
1040	**97**	**195**	**10:59:45.333**	**125FV4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4O0**	**4**	**0**	**4,041,912:84:0**	
1041	**97**	**195**	**11:28:49.333**	**C9NNPCTRLT01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
1042	97	195	11:32:11.333	192HE4A	**7CONE**	**17.4,0.0**	**Check S/P Position**	4O0	4	0	4,041,945:00:0	
1043	97	195	11:32:12.000	192HE4B	**7CLK**	**17.4,226.5**	**Check S/P Position**	4O0	4	0	4,041,945:01:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	97	195	11:36:58.000	176HE6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4O0	4	0	4,041,949:66:0	
1045	97	195	11:40:00.000	176HE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	4,041,952:66:0	
1046	97	195	11:40:02.000		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4953.45 +/- 2	4O0	4	0	4,041,952:69:0	
1047	97	195	11:40:02.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,041,952:69:0	
1048	97	195	11:40:08.666		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4953.45 +/- 2	4O0	4	0	4,041,952:79:0	
1049	97	195	11:40:10.066		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4953.57 +/- 2	4O0	4	0	4,041,952:81:1	
1050	97	195	11:40:12.000		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4954.02 +/- 2	4O0	4	0	4,041,952:84:0	
1051	97	195	11:40:23.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4956.68 +/- 2	4O0	4	0	4,041,953:10:0	
1052	97	195	11:40:23.333	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,041,953:10:0	
1053	97	195	11:40:24.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4956.74 +/- 2	4O0	4	0	4,041,953:11:8	
1054	97	195	11:42:18.000	192HB4A	**7CONE**	**17.4,50.8**	**Check S/P Position**	4O0	4	0	4,041,955:00:0	
1055	97	195	11:42:18.666	192HB4B	**7CLK**	**17.4,226.5**	**Check S/P Position**	4O0	4	0	4,041,955:01:0	
1056	97	195	11:43:18.666	176HB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4O0	4	0	4,041,956:00:0	
1057	97	195	11:44:20.000	192HB4C	**7CLK**	**1.66,258.0**	**Check S/P Position**	4O0	4	0	4,041,957:01:0	
1058	97	195	11:50:23.333	192HB4D	**7CONE**	**17.4,55.0**	**Check S/P Position**	4O0	4	0	4,041,963:00:0	
1059	97	195	11:50:24.000	192HB4E	**7CLK**	**17.4,250.929998**	**Check S/P Position**	4O0	4	0	4,041,963:01:0	
1060	97	195	11:51:24.000	192HB4F	**7CONE**	**1.0,47.0**	**Check S/P Position**	4O0	4	0	4,041,964:00:0	
1061	97	195	11:54:26.000	176HB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	4,041,967:00:0	
1062	97	195	11:54:28.000		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4956.74 +/- 2	4O0	4	0	4,041,967:03:0	
1063	97	195	11:54:28.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,041,967:03:0	
1064	97	195	11:54:34.666		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4956.74 +/- 2	4O0	4	0	4,041,967:13:0	
1065	97	195	11:54:36.066		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4956.86 +/- 2	4O0	4	0	4,041,967:15:1	
1066	97	195	11:54:38.000		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4957.31 +/- 2	4O0	4	0	4,041,967:18:0	
1067	97	195	11:54:55.333	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,041,967:44:0	
1068	97	195	11:54:55.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4961.37 +/- 2	4O0	4	0	4,041,967:44:0	
1069	97	195	11:54:56.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4961.43 +/- 2	4O0	4	0	4,041,967:45:8	
1070	97	195	12:05:00.000	41SS99A	POWER	PWR MODE change	Change to Maneuver/Playback Mode	4O0	4	0	4,041,977:41:0	
1071	**97**	**195**	**12:06:54.000**	**41SS3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,041,979:30:0**	
1072	**97**	**195**	**12:07:04.000**	**41SS3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,041,979:45:0**	
1073	**97**	**195**	**12:07:14.000**	**41SS3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,041,979:60:0**	
1074	**97**	**195**	**12:07:24.000**	**41SS3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,041,979:75:0**	
1075	97	195	12:08:00.000	488BY6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	4,041,980:38:0	
1076	97	195	12:11:00.000	444UF443A4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	4,041,983:35:0	
1077	97	195	12:15:00.000	444UF443A4B	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	4,041,987:31:0	
1078	97	195	12:17:41.333	488BY6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,041,990:00:0	
1079	97	195	12:40:12.666	488BY6C	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,042,012:25:0	
1080	97	195	12:41:02.000	490UB412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4O0	4	0	4,042,013:08:0	
1081	97	195	12:45:25.333	488BY6D	6TMSED	FILL,AH8	Sci, Eng, and D/L Chan	4O0	4	0	4,042,017:39:0	
1082	97	195	12:46:00.000	490UB412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	4,042,018:00:0	
1083	97	195	12:47:05.333	488BY6E	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	4O0	4	0	4,042,019:07:0	
1084	97	195	12:50:10.000	490UB412A4E	7VECT	RTH	Inert vect update UTC	4O0	4	0	4,042,022:11:0	
1085	97	195	12:50:14.000	490UB412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	4,042,022:17:0	
1086	97	195	12:54:02.000	490UB412A406A4A	7STAR	1,3000,95.710999	Star catalog update	4O0	4	0	4,042,025:86:0	
1087	97	195	12:54:04.000	490UB412A406A4B	7STAR	2,121,222.03	Star catalog update	4O0	4	0	4,042,025:89:0	
1088	97	195	12:54:06.000	490UB412A406A4C	7STAR	31,253,185.95	Star catalog update	4O0	4	0	4,042,026:01:0	
1089	97	195	12:54:08.000	490UB412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	4,042,026:04:0	
1090	97	195	12:54:10.000	490UB412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	4,042,026:07:0	
1091	97	195	12:54:12.000	490UB412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	4,042,026:10:0	
1092	97	195	14:02:12.666	490UB412A4L	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	4,042,093:34:0	
1093	97	195	14:10:59.333	432PA431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,042,102:05:0	
1094	97	195	14:11:00.000	432PA6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,042,102:06:0	
1095	97	195	14:25:00.000	488BZ6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,042,115:83:0	
1096	97	195	14:25:04.000	20UE4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,042,115:89:0	
1097	97	195	14:25:54.000	20UE4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,042,116:73:0	
1098	97	195	14:27:06.666	176SM6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,042,118:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	97	195	14:30:00.000	488BZ6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,042,120:78:0	
1100	97	195	19:32:53.333	488BZ6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,042,420:38:0	
1101	97	195	20:47:33.333	488CA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,042,494:24:0	
1102	97	195	21:17:25.333	488CA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,042,523:73:0	
1103	97	195	21:36:37.333	488CA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,042,542:72:0	
1104	97	195	22:21:25.333	488CA6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,042,587:09:0	
1105	97	196	04:39:01.333	488CB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,042,960:50:0	
1106	97	196	05:15:17.333	488CB6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,042,996:38:0	
1107	97	196	13:02:29.333	488CC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,043,458:44:0	
1108	97	196	13:34:33.333	488CC6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,043,490:18:0	
1109	97	196	13:43:40.666	488CC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,043,499:20:0	
1110	97	196	13:50:36.666	488CC6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,043,506:07:0	
1111	97	196	13:55:49.333	488CC6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,043,511:21:0	
1112	97	196	13:57:29.333	488CD6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,043,512:80:0	
1113	97	196	19:32:53.266	488CD6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,043,844:54:0	
1114	97	196	20:43:17.266	488CE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,043,914:20:0	
1115	97	196	21:17:25.266	488CE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,043,947:89:0	
1116	97	196	21:51:33.266	488CE6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,043,981:67:0	
1117	97	196	22:39:19.266	488CE6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,044,028:89:0	
1118	97	196	23:08:25.933	488CE6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,044,057:70:0	
1119	97	197	00:01:41.266	488CF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,044,110:40:0	
1120	97	197	03:13:41.266	488CF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,044,300:30:0	
1121	97	197	05:11:01.266	488CF6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,044,416:34:0	
1122	97	197	05:55:41.933	488CF6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,044,460:51:0	
1123	97	197	06:22:31.266	488CG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,044,487:08:0	
1124	97	197	12:58:13.266	488CH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,044,878:40:0	
1125	97	197	13:34:35.266	488CH6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,044,914:37:0	
1126	97	197	13:43:42.600	488CH6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,044,923:39:0	
1127	97	197	13:50:36.600	488CH6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,044,930:23:0	
1128	97	197	13:55:49.266	488CH6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,044,935:37:0	
1129	97	197	13:57:29.266	488CI6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,044,937:05:0	
1130	97	197	19:28:37.266	488CI6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,045,264:50:0	
1131	97	197	20:39:01.266	488CJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,045,334:16:0	
1132	97	197	21:13:09.266	488CJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,045,367:85:0	
1133	97	197	21:30:13.266	488CJ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,045,384:74:0	
1134	97	197	22:17:09.200	488CJ6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,045,431:21:0	
1135	97	198	04:28:21.200	488CK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,045,798:32:0	
1136	97	198	05:06:45.200	488CK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,045,836:30:0	
1137	97	198	12:53:57.200	488CL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,046,298:36:0	
1138	97	198	13:29:38.533	488CL6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,046,333:63:0	
1139	97	198	13:38:45.866	488CL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,046,342:65:0	
1140	97	198	13:46:20.533	488CL6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,046,350:19:0	
1141	97	198	13:51:33.200	488CL6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,046,355:33:0	
1142	97	198	13:53:13.200	488CM6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,046,357:01:0	
1143	97	198	19:24:21.200	488CM6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,046,684:46:0	
1144	97	198	20:32:37.200	488CN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,046,752:02:0	
1145	97	198	21:08:53.200	488CN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,046,787:81:0	
1146	97	198	21:25:57.200	488CN6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,046,804:70:0	
1147	97	198	22:17:09.200	488CN6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,046,855:37:0	
1148	97	199	04:39:01.133	488CO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,047,233:07:0	
1149	97	199	04:56:05.133	488CO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,047,249:87:0	
1150	97	199	05:44:12.466	488CO6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,047,297:50:0	
1151	97	199	06:06:29.133	488CO6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,047,319:53:0	
1152	97	199	06:11:41.133	488CO6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,047,324:66:0	
1153	97	199	11:47:49.133	488CP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,047,657:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	97	199	13:08:53.133	488CP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,047,737:31:0	
1155	97	199	13:21:55.133	488CP6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,047,750:21:0	
1156	97	199	13:35:35.133	488CP6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,047,763:68:0	
1157	97	199	13:39:18.466	488CP6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,047,767:39:0	
1158	97	199	13:47:17.133	488CQ6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,047,775:29:0	
1159	97	199	13:48:57.133	488CQ6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,047,776:88:0	
1160	97	199	14:12:40.466	488CQ6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,047,800:39:0	
1161	97	199	14:36:05.133	488CQ6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,047,823:53:0	
1162	97	199	19:24:21.133	488CQ6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,048,108:62:0	
1163	97	199	20:28:21.133	488CR6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,048,171:89:0	
1164	97	199	21:02:29.133	488CR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,048,205:67:0	
1165	97	199	21:21:41.133	488CR6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,048,224:66:0	
1166	97	199	22:17:09.133	488CR6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,048,279:53:0	
1167	97	200	04:24:05.133	488CS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,048,642:44:0	
1168	97	200	05:06:45.133	488CS6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,048,684:62:0	
1169	97	200	09:23:11.800	488CS6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,048,938:28:0	
1170	97	200	09:27:01.133	488CS6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,048,942:08:0	
1171	97	200	09:28:41.133	488CS6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,048,943:67:0	
1172	97	200	19:13:41.066	488CT6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,049,522:28:0	
1173	97	200	20:24:05.066	488CT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,049,591:85:0	
1174	97	200	20:58:13.066	488CT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,049,625:63:0	
1175	97	200	21:17:25.066	488CT6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,049,644:62:0	
1176	97	200	22:17:09.066	488CT6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,049,703:69:0	
1177	97	201	02:46:21.066	176BG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,049,970:00:0	
1178	97	201	02:49:22.400	165BO4A	7SCAN	NORM,317.743999,	Check S/P Position	4O0	4	0	4,049,972:90:0	
1179	97	201	02:53:31.066	20UJ4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,049,977:08:0	
1180	97	201	02:54:21.066	20UJ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,049,977:83:0	
1181	97	201	02:55:27.066	176BH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,049,979:00:0	
1182	97	201	04:17:41.066	488CU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,050,060:30:0	
1183	97	201	05:00:21.066	488CU6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,050,102:48:0	
1184	97	201	09:16:47.733	488CU6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,050,356:14:0	
1185	97	201	09:20:37.066	488CU6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,050,359:85:0	
1186	97	201	09:22:17.066	488CU6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,050,361:53:0	
1187	97	201	19:13:41.000	488CV6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,050,946:44:0	
1188	97	201	20:13:25.000	488CV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,051,005:51:0	
1189	97	201	20:53:57.000	488CV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,051,045:59:0	
1190	97	201	21:11:01.000	488CV6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,051,062:48:0	
1191	97	201	22:17:09.000	488CV6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,051,127:85:0	
1192	97	202	04:09:09.000	488CW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,051,476:06:0	
1193	97	202	04:36:53.000	488CW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,051,503:45:0	
1194	97	202	05:34:05.666	488CW6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,051,560:07:0	
1195	97	202	06:03:11.666	488CW6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,051,588:78:0	
1196	97	202	06:17:09.000	488CW6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,051,602:60:0	
1197	97	202	09:16:47.666	488CX6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,051,780:30:0	
1198	97	202	09:20:37.000	488CX6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,051,784:10:0	
1199	97	202	09:22:17.000	488CX6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,051,785:69:0	
1200	97	202	14:02:32.333	488CX6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,052,062:85:0	
1201	97	202	14:25:57.000	488CX6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,052,086:08:0	
1202	97	202	19:09:25.000	488CY6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,052,366:40:0	
1203	97	202	20:02:45.000	488CY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,052,419:17:0	
1204	97	202	20:53:57.000	488CY6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,052,469:75:0	
1205	97	202	21:11:01.000	488CY6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,052,486:64:0	
1206	97	202	22:21:25.000	488CY6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,052,556:30:0	
1207	97	203	03:58:28.933	488CZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,052,889:63:0	
1208	97	203	05:02:28.933	488CZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,052,952:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	97	203	09:12:31.600	488CZ6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,053,200:26:0	
1210	97	203	09:16:20.933	488CZ6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,053,204:06:0	
1211	97	203	09:18:00.933	488CZ6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,053,205:65:0	
1212	97	203	19:03:00.933	488DA6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,053,784:26:0	
1213	97	203	19:58:28.933	488DA6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,053,839:13:0	
1214	97	203	20:49:40.933	488DA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,053,889:71:0	
1215	97	203	21:11:00.933	488DA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,053,910:80:0	
1216	97	203	22:25:40.933	488DA6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,053,984:66:0	
1217	97	204	03:43:32.933	488DB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,054,299:09:0	
1218	97	204	04:15:00.266	488DB6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,054,330:19:0	
1219	97	204	04:17:49.600	176KC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,054,333:00:0	
1220	97	204	04:19:50.933	465KS6A	6DMST	5105	DMS Slew to TIC	4O0	4	0	4,054,335:00:0	
1221	97	204	04:19:50.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4961.43 +/- 2	4O0	4	0	4,054,335:00:0	
1222	97	204	04:19:50.933		DMS:	: *SLEW-TIC	P7, TRACK *1, FWD, TIC 4961.43 +/- 2	4O0	4	0	4,054,335:00:0	
1223	97	204	04:19:57.600		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 4961.43 +/- 2	4O0	4	0	4,054,335:10:0	
1224	97	204	04:19:59.000		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *4961.55 +/- 2	4O0	4	0	4,054,335:12:1	
1225	97	204	04:30:01.066		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *5102.94 +/- 2	4O0	4	0	4,054,345:05:2	
1226	97	204	04:30:02.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5103.00 +/- 2	4O0	4	0	4,054,345:07:0	
1227	97	204	05:06:44.933	488DB6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	4,054,381:35:0	
1228	97	204	08:45:00.200	488DB6D	6TMSED	NORM,IL6	Sci, Eng, and D/L Chan	4O0	4	0	4,054,597:22:0	
1229	97	204	08:45:00.866	282NX432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,054,597:23:0	
1230	97	204	08:45:01.533	282NX432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,054,597:24:0	
1231	97	204	09:08:15.533	488DB6E	6TMSED	FILL,IL6	Sci, Eng, and D/L Chan	4O0	4	0	4,054,620:22:0	
1232	97	204	09:12:04.866	488DC6A	6TMSED	FILL,IL8	Sci, Eng, and D/L Chan	4O0	4	0	4,054,624:02:0	
1233	97	204	09:13:44.866	488DC6B	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	4O0	4	0	4,054,625:61:0	
1234	97	204	10:06:00.200	444UG443A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4O0	4	0	4,054,677:32:0	
1235	97	204	10:39:00.866	465KT6A	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,054,710:00:0	
1236	97	204	10:39:00.866		DMS:	: READY	RDY, TRACK *3, FWD, TIC 5103.00 +/- 2	4O0	4	0	4,054,710:00:0	
1237	97	204	10:45:00.200	41SC99A	POWER	PWR MODE change	Change to Data Taking Mode	4O0	4	0	4,054,715:84:0	
1238	**97**	**204**	**10:45:04.200**	**41SC3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,054,715:90:0**	
1239	**97**	**204**	**10:45:14.200**	**41SC3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,054,716:14:0**	
1240	**97**	**204**	**10:45:24.200**	**41SC3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,054,716:29:0**	
1241	**97**	**204**	**10:45:34.200**	**41SC3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,054,716:44:0**	
1242	97	204	10:59:10.866	175JO422A6A	6DMSC	R115,3	DMS Control	4O0	4	0	4,054,729:86:0	
1243	97	204	10:59:10.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5103.00 +/- 2	4O0	4	0	4,054,729:86:0	
1244	97	204	10:59:17.533		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5103.00 +/- 2	4O0	4	0	4,054,730:05:0	
1245	97	204	10:59:20.866	175JO176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4O0	4	0	4,054,730:10:0	
1246	97	204	10:59:21.533		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5109.30 +/- 2	4O0	4	0	4,054,730:11:0	
1247	97	204	10:59:21.533		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5109.30 +/- 2	4O0	4	0	4,054,730:11:0	
1248	97	204	11:00:14.866		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5296.80 +/- 2	4O0	4	0	4,054,731:00:0	
1249	97	204	11:00:14.866	175JO422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,731:00:0	
1250	97	204	11:00:16.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5297.80 +/- 2	4O0	4	0	4,054,731:01:8	
1251	97	204	11:01:12.200	175JP422A6A	6DMSC	R115,3	DMS Control	4O0	4	0	4,054,731:86:0	
1252	97	204	11:01:12.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5297.80 +/- 2	4O0	4	0	4,054,731:86:0	
1253	97	204	11:01:18.866		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5297.80 +/- 2	4O0	4	0	4,054,732:05:0	
1254	97	204	11:01:22.200	175JP176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4O0	4	0	4,054,732:10:0	
1255	97	204	11:01:22.866		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5304.10 +/- 2	4O0	4	0	4,054,732:11:0	
1256	97	204	11:01:22.866		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5304.10 +/- 2	4O0	4	0	4,054,732:11:0	
1257	97	204	11:02:16.200		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5491.60 +/- 2	4O0	4	0	4,054,733:00:0	
1258	97	204	11:02:16.200	175JP422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,733:00:0	
1259	97	204	11:02:17.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5492.60 +/- 2	4O0	4	0	4,054,733:01:8	
1260	97	204	11:03:13.533	175JQ422A6A	6DMSC	R115,3	DMS Control	4O0	4	0	4,054,733:86:0	
1261	97	204	11:03:13.533		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5492.60 +/- 2	4O0	4	0	4,054,733:86:0	
1262	97	204	11:03:20.200		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5492.60 +/- 2	4O0	4	0	4,054,734:05:0	
1263	97	204	11:03:23.533	175JQ176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4O0	4	0	4,054,734:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	97	204	11:03:24.200		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5498.90 +/- 2	4O0	4	0	4,054,734:11:0	
1265	97	204	11:03:24.200		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5498.90 +/- 2	4O0	4	0	4,054,734:11:0	
1266	97	204	11:04:17.533		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5686.40 +/- 2	4O0	4	0	4,054,735:00:0	
1267	97	204	11:04:17.533	175JQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,735:00:0	
1268	97	204	11:04:18.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5687.40 +/- 2	4O0	4	0	4,054,735:01:8	
1269	97	204	11:04:23.533		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5687.40 +/- 2	4O0	4	0	4,054,735:09:0	
1270	97	204	11:04:23.533	175JX422A6A	6DMSC	R115,3	DMS Control	4O0	4	0	4,054,735:09:0	
1271	97	204	11:04:30.200		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5687.40 +/- 2	4O0	4	0	4,054,735:19:0	
1272	97	204	11:04:33.533	175JX176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4O0	4	0	4,054,735:24:0	
1273	97	204	11:04:34.200		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5693.70 +/- 2	4O0	4	0	4,054,735:25:0	
1274	97	204	11:04:34.200		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5693.70 +/- 2	4O0	4	0	4,054,735:25:0	
1275	97	204	11:04:48.200		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5742.92 +/- 2	4O0	4	0	4,054,735:46:0	
1276	97	204	11:04:48.200	175JX422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,735:46:0	
1277	97	204	11:04:49.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5743.92 +/- 2	4O0	4	0	4,054,735:47:8	
1278	97	204	11:04:54.200	175JY422A6A	6DMSC	R115,3	DMS Control	4O0	4	0	4,054,735:55:0	
1279	97	204	11:04:54.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5743.92 +/- 2	4O0	4	0	4,054,735:55:0	
1280	97	204	11:05:00.866		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5743.92 +/- 2	4O0	4	0	4,054,735:65:0	
1281	97	204	11:05:04.200	175JY176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4O0	4	0	4,054,735:70:0	
1282	97	204	11:05:04.866		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5750.22 +/- 2	4O0	4	0	4,054,735:71:0	
1283	97	204	11:05:04.866		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5750.22 +/- 2	4O0	4	0	4,054,735:71:0	
1284	97	204	11:05:18.200		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5797.09 +/- 2	4O0	4	0	4,054,736:00:0	
1285	97	204	11:05:18.200	175JY422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,736:00:0	
1286	97	204	11:05:19.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5798.09 +/- 2	4O0	4	0	4,054,736:01:8	
1287	97	204	11:05:24.200	175JZ422A6A	6DMSC	R115,3	DMS Control	4O0	4	0	4,054,736:09:0	
1288	97	204	11:05:24.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5798.09 +/- 2	4O0	4	0	4,054,736:09:0	
1289	97	204	11:05:30.866		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5798.09 +/- 2	4O0	4	0	4,054,736:19:0	
1290	97	204	11:05:34.200	175JZ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4O0	4	0	4,054,736:24:0	
1291	97	204	11:05:34.866		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5804.39 +/- 2	4O0	4	0	4,054,736:25:0	
1292	97	204	11:05:34.866		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5804.39 +/- 2	4O0	4	0	4,054,736:25:0	
1293	97	204	11:05:48.866	175JZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,736:46:0	
1294	97	204	11:05:48.866		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5853.61 +/- 2	4O0	4	0	4,054,736:46:0	
1295	97	204	11:05:50.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5854.61 +/- 2	4O0	4	0	4,054,736:47:8	
1296	97	204	11:05:54.866	175KA422A6A	6DMSC	R115,3	DMS Control	4O0	4	0	4,054,736:55:0	
1297	97	204	11:05:54.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5854.61 +/- 2	4O0	4	0	4,054,736:55:0	
1298	97	204	11:06:01.533		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5854.61 +/- 2	4O0	4	0	4,054,736:65:0	
1299	97	204	11:06:04.866	175KA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4O0	4	0	4,054,736:70:0	
1300	97	204	11:06:05.533		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5860.91 +/- 2	4O0	4	0	4,054,736:71:0	
1301	97	204	11:06:05.533		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5860.91 +/- 2	4O0	4	0	4,054,736:71:0	
1302	97	204	11:06:18.866		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5907.79 +/- 2	4O0	4	0	4,054,737:00:0	
1303	97	204	11:06:18.866	175KA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,737:00:0	
1304	97	204	11:06:20.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5908.79 +/- 2	4O0	4	0	4,054,737:01:8	
1305	97	204	11:07:05.533	465LD6A	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,054,737:70:0	
1306	97	204	11:11:15.533		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5908.79 +/- 2	4O0	4	0	4,054,741:81:0	
1307	97	204	11:11:15.533		DMS:	: *DMS-TURN	P7, TRACK 3, FWD, TIC 5908.79 +/- 2	4O0	4	0	4,054,741:81:0	
1308	97	204	11:11:15.533	465KU6A	6DTRN	CMD,6DTRN,465KU6	DMS TRACK TURNAROUND	4O0	4	0	4,054,741:81:0	
1309	97	204	11:11:22.200		DMS:	: *RUNUP	P7, TRACK *3, FWD, TIC 5908.79 +/- 2	4O0	4	0	4,054,742:00:0	
1310	97	204	11:11:23.600		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC *5908.91 +/- 2	4O0	4	0	4,054,742:02:1	
1311	97	204	11:19:50.066		DMS:	: *REVERSE	P7, TRACK 3, FWD, TIC *6027.63 +/- 2	4O0	4	0	4,054,750:33:8	
1312	97	204	11:19:51.266		DMS:	: *RUNUP	P7, TRACK 4, REV, TIC 6027.69 +/- 2	4O0	4	0	4,054,750:35:6	
1313	97	204	11:19:51.266		DMS:	: *TURNARND	P7, TRACK *4, *REV, TIC *6027.69 +/- 2	4O0	4	0	4,054,750:35:6	
1314	97	204	11:19:52.666		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC *6027.57 +/-	4O0	4	0	4,054,750:37:7	
1315	97	204	11:20:04.666		DMS:	: *AUTOSTOP	P7, TRACK 4, REV, TIC *6025.44 +/-	4O0	4	0	4,054,750:55:7	
1316	97	204	11:20:05.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC *6025.38 +/-	4O0	4	0	4,054,750:57:5	
1317	97	204	11:30:24.200	175KB422A6A	6DMSC	R806,4	DMS Control	4O0	4	0	4,054,760:75:0	
1318	97	204	11:30:24.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 6025.38 +/-	4O0	4	0	4,054,760:75:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	97	204	11:30:25.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6025.50 +/-	4O0	4	0	4,054,760:77:1	
1320	97	204	11:30:30.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6026.73 +/-	4O0	4	0	4,054,760:85:0	
1321	97	204	11:30:32.066		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *6026.79 +/-	4O0	4	0	4,054,760:86:8	
1322	97	204	11:30:36.866	175KB176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	4O0	4	0	4,054,761:03:0	
1323	97	204	11:30:37.333		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 5960.79 +/-	4O0	4	0	4,054,761:03:7	
1324	97	204	11:30:37.333		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *5960.79 +/-	4O0	4	0	4,054,761:03:7	
1325	97	204	11:30:53.533	175KB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,761:28:0	
1326	97	204	11:30:53.533		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *5562.12 +/-	4O0	4	0	4,054,761:28:0	
1327	97	204	11:30:56.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5550.62 +/-	4O0	4	0	4,054,761:32:1	
1328	97	204	11:35:35.533	175JR422A6A	6DMSC	R806,4	DMS Control	4O0	4	0	4,054,765:87:0	
1329	97	204	11:35:35.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5550.62 +/-	4O0	4	0	4,054,765:87:0	
1330	97	204	11:35:36.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5550.74 +/-	4O0	4	0	4,054,765:89:1	
1331	97	204	11:35:42.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5551.97 +/-	4O0	4	0	4,054,766:06:0	
1332	97	204	11:35:43.400		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *5552.03 +/-	4O0	4	0	4,054,766:07:8	
1333	97	204	11:35:48.200	175JR176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4O0	4	0	4,054,766:15:0	
1334	97	204	11:35:48.666		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *5486.03 +/-	4O0	4	0	4,054,766:15:7	
1335	97	204	11:35:48.666		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 5486.03 +/-	4O0	4	0	4,054,766:15:7	
1336	97	204	11:35:55.533	175JR422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,766:26:0	
1337	97	204	11:35:55.533		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *5317.05 +/-	4O0	4	0	4,054,766:26:0	
1338	97	204	11:35:58.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5305.55 +/- 1	4O0	4	0	4,054,766:30:1	
1339	97	204	11:40:38.866	175JS422A6A	6DMSC	R806,4	DMS Control	4O0	4	0	4,054,770:87:0	
1340	97	204	11:40:38.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5305.55 +/- 1	4O0	4	0	4,054,770:87:0	
1341	97	204	11:40:40.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5305.67 +/- 1	4O0	4	0	4,054,770:89:1	
1342	97	204	11:40:45.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5306.90 +/- 1	4O0	4	0	4,054,771:06:0	
1343	97	204	11:40:46.733		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *5306.96 +/- 1	4O0	4	0	4,054,771:07:8	
1344	97	204	11:40:51.533	175JS176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4O0	4	0	4,054,771:15:0	
1345	97	204	11:40:52.000		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 5240.96 +/- 1	4O0	4	0	4,054,771:15:7	
1346	97	204	11:40:52.000		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *5240.96 +/- 1	4O0	4	0	4,054,771:15:7	
1347	97	204	11:40:58.866		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *5071.98 +/- 1	4O0	4	0	4,054,771:26:0	
1348	97	204	11:40:58.866	175JS422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,771:26:0	
1349	97	204	11:41:01.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5060.48 +/- 1	4O0	4	0	4,054,771:30:1	
1350	97	204	11:45:42.200	175JT422A6A	6DMSC	R806,4	DMS Control	4O0	4	0	4,054,775:87:0	
1351	97	204	11:45:42.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5060.48 +/- 1	4O0	4	0	4,054,775:87:0	
1352	97	204	11:45:43.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5060.60 +/- 1	4O0	4	0	4,054,775:89:1	
1353	97	204	11:45:48.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5061.83 +/- 1	4O0	4	0	4,054,776:06:0	
1354	97	204	11:45:50.066		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *5061.89 +/- 1	4O0	4	0	4,054,776:07:8	
1355	97	204	11:45:54.866	175JT176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4O0	4	0	4,054,776:15:0	
1356	97	204	11:45:55.333		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 4995.89 +/- 1	4O0	4	0	4,054,776:15:7	
1357	97	204	11:45:55.333		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *4995.89 +/- 1	4O0	4	0	4,054,776:15:7	
1358	97	204	11:46:02.200		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *4826.91 +/- 1	4O0	4	0	4,054,776:26:0	
1359	97	204	11:46:02.200	175JT422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,776:26:0	
1360	97	204	11:46:04.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4815.41 +/- 2	4O0	4	0	4,054,776:30:1	
1361	97	204	11:50:46.866	175JU422A6A	6DMSC	R115,4	DMS Control	4O0	4	0	4,054,780:89:0	
1362	97	204	11:50:46.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4815.41 +/- 2	4O0	4	0	4,054,780:89:0	
1363	97	204	11:50:48.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4815.53 +/- 2	4O0	4	0	4,054,781:00:1	
1364	97	204	11:50:53.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4816.76 +/- 2	4O0	4	0	4,054,781:08:0	
1365	97	204	11:50:54.733		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4816.82 +/- 2	4O0	4	0	4,054,781:09:8	
1366	97	204	11:50:58.200	175JU176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	4O0	4	0	4,054,781:15:0	
1367	97	204	11:50:58.733		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4810.52 +/- 2	4O0	4	0	4,054,781:15:8	
1368	97	204	11:50:58.733		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4810.52 +/- 2	4O0	4	0	4,054,781:15:8	
1369	97	204	11:51:05.533	175JU422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,781:26:0	
1370	97	204	11:51:05.533		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4786.62 +/- 2	4O0	4	0	4,054,781:26:0	
1371	97	204	11:51:06.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4785.62 +/- 2	4O0	4	0	4,054,781:27:8	
1372	97	204	11:55:50.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4785.62 +/- 2	4O0	4	0	4,054,785:89:0	
1373	97	204	11:55:50.200	175JV422A6A	6DMSC	R115,4	DMS Control	4O0	4	0	4,054,785:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	97	204	11:55:51.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4785.74 +/- 2	4O0	4	0	4,054,786	00:1
1375	97	204	11:55:56.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4786.97 +/- 2	4O0	4	0	4,054,786	08:0
1376	97	204	11:55:58.066		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4787.03 +/- 2	4O0	4	0	4,054,786	09:8
1377	97	204	11:56:01.533	175JV176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	4O0	4	0	4,054,786	15:0
1378	97	204	11:56:02.066		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4780.73 +/- 2	4O0	4	0	4,054,786	15:8
1379	97	204	11:56:02.066		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4780.73 +/- 2	4O0	4	0	4,054,786	15:8
1380	97	204	11:56:08.866	175JV422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,786	26:0
1381	97	204	11:56:08.866		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4756.83 +/- 2	4O0	4	0	4,054,786	26:0
1382	97	204	11:56:10.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4755.83 +/- 2	4O0	4	0	4,054,786	27:8
1383	97	204	12:00:53.533	175JW422A6A	6DMSC	R115,4	DMS Control	4O0	4	0	4,054,790	89:0
1384	97	204	12:00:53.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4755.83 +/- 2	4O0	4	0	4,054,790	89:0
1385	97	204	12:00:54.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4755.95 +/- 2	4O0	4	0	4,054,791	00:1
1386	97	204	12:01:00.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4757.18 +/- 2	4O0	4	0	4,054,791	08:0
1387	97	204	12:01:01.400		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4757.24 +/- 2	4O0	4	0	4,054,791	09:8
1388	97	204	12:01:04.866	175JW176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	4O0	4	0	4,054,791	15:0
1389	97	204	12:01:05.400		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4750.94 +/- 2	4O0	4	0	4,054,791	15:8
1390	97	204	12:01:05.400		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4750.94 +/- 2	4O0	4	0	4,054,791	15:8
1391	97	204	12:01:12.200		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4727.03 +/- 2	4O0	4	0	4,054,791	26:0
1392	97	204	12:01:12.200	175JW422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,791	26:0
1393	97	204	12:01:13.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4726.03 +/- 2	4O0	4	0	4,054,791	27:8
1394	97	204	12:05:53.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4726.03 +/- 2	4O0	4	0	4,054,795	84:0
1395	97	204	12:05:53.533	175KC422A6A	6DMSC	R115,4	DMS Control	4O0	4	0	4,054,795	84:0
1396	97	204	12:05:54.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4726.15 +/- 2	4O0	4	0	4,054,795	86:1
1397	97	204	12:06:00.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4727.39 +/- 2	4O0	4	0	4,054,796	03:0
1398	97	204	12:06:01.400		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4727.45 +/- 2	4O0	4	0	4,054,796	04:8
1399	97	204	12:06:04.866	175KC176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4O0	4	0	4,054,796	10:0
1400	97	204	12:06:05.400		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4721.15 +/- 2	4O0	4	0	4,054,796	10:8
1401	97	204	12:06:05.400		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4721.15 +/- 2	4O0	4	0	4,054,796	10:8
1402	97	204	12:09:00.200	176IE6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4O0	4	0	4,054,799	00:0
1403	97	204	12:10:31.533	175KC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,800	46:0
1404	97	204	12:10:31.533		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3785.52 +/- 2	4O0	4	0	4,054,800	46:0
1405	97	204	12:10:32.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3784.52 +/- 2	4O0	4	0	4,054,800	47:8
1406	97	204	12:14:54.200	175KD422A6A	6DMSC	R115,4	DMS Control	4O0	4	0	4,054,804	76:0
1407	97	204	12:14:54.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3784.52 +/- 2	4O0	4	0	4,054,804	76:0
1408	97	204	12:14:55.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3784.64 +/- 2	4O0	4	0	4,054,804	78:1
1409	97	204	12:15:00.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3785.88 +/- 2	4O0	4	0	4,054,804	86:0
1410	97	204	12:15:02.066		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *3785.94 +/- 2	4O0	4	0	4,054,804	87:8
1411	97	204	12:15:05.533	175KD176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	4O0	4	0	4,054,805	02:0
1412	97	204	12:15:06.066		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 3779.64 +/- 2	4O0	4	0	4,054,805	02:8
1413	97	204	12:15:06.066		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3779.64 +/- 2	4O0	4	0	4,054,805	02:8
1414	97	204	12:15:30.200		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3694.79 +/- 2	4O0	4	0	4,054,805	39:0
1415	97	204	12:15:30.200	175KD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,805	39:0
1416	97	204	12:15:31.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3693.79 +/- 2	4O0	4	0	4,054,805	40:8
1417	97	204	12:20:30.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3693.79 +/- 2	4O0	4	0	4,054,810	35:0
1418	97	204	12:20:30.866	175KE422A6A	6DMSC	R806,4	DMS Control	4O0	4	0	4,054,810	35:0
1419	97	204	12:20:32.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3693.91 +/- 2	4O0	4	0	4,054,810	37:1
1420	97	204	12:20:37.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3695.15 +/- 2	4O0	4	0	4,054,810	45:0
1421	97	204	12:20:38.733		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *3695.21 +/- 2	4O0	4	0	4,054,810	46:8
1422	97	204	12:20:43.533	175KE176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4O0	4	0	4,054,810	54:0
1423	97	204	12:20:44.000		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 3629.21 +/- 2	4O0	4	0	4,054,810	54:7
1424	97	204	12:20:44.000		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *3629.21 +/- 2	4O0	4	0	4,054,810	54:7
1425	97	204	12:21:08.200	176IF6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	4O0	4	0	4,054,811	00:0
1426	97	204	12:21:17.533	175KE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,811	14:0
1427	97	204	12:21:17.533		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *2803.97 +/- 2	4O0	4	0	4,054,811	14:0
1428	97	204	12:21:20.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2792.47 +/- 2	4O0	4	0	4,054,811	18:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	97	204	12:22:08.200	165KF4A	7SCAN	NORM,339.887997,	Check S/P Position	4O0	4	0	4,054,811:90:0	
1430	97	204	12:26:15.533	118KF	**SMOS**	GS		4O0	4	0	4,054,816:06:0	
1431	97	204	12:26:39.533	118KF110A111A4A	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,816:42:0	
1432	97	204	12:27:22.866	118KF110A111A4B	7STRP	0.00085,-0.00034	Slew =,0.81	4O0	4	0	4,054,817:16:0	
1433	97	204	12:27:31.533	118KF110A111A4C	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,817:29:0	
1434	97	204	12:28:04.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2792.47 +/- 2	4O0	4	0	4,054,817:78:0	
1435	97	204	12:28:04.200	175KF422A6A	6DMSC	R115,4	DMS Control	4O0	4	0	4,054,817:78:0	
1436	97	204	12:28:05.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2792.59 +/- 2	4O0	4	0	4,054,817:80:1	
1437	97	204	12:28:10.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2793.83 +/- 2	4O0	4	0	4,054,817:88:0	
1438	97	204	12:28:12.066		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2793.89 +/- 2	4O0	4	0	4,054,817:89:8	
1439	97	204	12:28:14.866	118KF11A	**SMOS**	GE		4O0	4	0	4,054,818:03:0	
1440	97	204	12:28:15.533	175KF176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4O0	4	0	4,054,818:04:0	
1441	97	204	12:28:16.066		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2787.59 +/- 2	4O0	4	0	4,054,818:04:8	
1442	97	204	12:28:16.066		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2787.59 +/- 2	4O0	4	0	4,054,818:04:8	
1443	97	204	12:28:27.533	175KF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,818:22:0	
1444	97	204	12:28:27.533		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2747.28 +/- 2	4O0	4	0	4,054,818:22:0	
1445	97	204	12:28:28.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2746.28 +/- 2	4O0	4	0	4,054,818:23:8	
1446	97	204	12:29:12.866	165KH4A	7SCAN	NORM,339.887997,	Check S/P Position	4O0	4	0	4,054,818:90:0	
1447	97	204	12:31:18.866	118KH	**SMOS**	GS		4O0	4	0	4,054,821:06:0	
1448	97	204	12:31:42.866	118KH110A111A4A	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,821:42:0	
1449	97	204	12:32:26.200	118KH110A111A4B	7STRP	0.00085,-0.00034	Slew =,0.81	4O0	4	0	4,054,822:16:0	
1450	97	204	12:32:34.866	118KH110A111A4C	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,822:29:0	
1451	97	204	12:33:07.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2746.28 +/- 2	4O0	4	0	4,054,822:78:0	
1452	97	204	12:33:07.533	175KG422A6A	6DMSC	R115,4	DMS Control	4O0	4	0	4,054,822:78:0	
1453	97	204	12:33:08.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2746.40 +/- 2	4O0	4	0	4,054,822:80:1	
1454	97	204	12:33:14.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2747.63 +/- 2	4O0	4	0	4,054,822:88:0	
1455	97	204	12:33:15.400		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2747.69 +/- 2	4O0	4	0	4,054,822:89:8	
1456	97	204	12:33:18.200	118KH11A	**SMOS**	GE		4O0	4	0	4,054,823:03:0	
1457	97	204	12:33:18.866	175KG176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4O0	4	0	4,054,823:04:0	
1458	97	204	12:33:19.400		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2741.39 +/- 2	4O0	4	0	4,054,823:04:8	
1459	97	204	12:33:19.400		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2741.39 +/- 2	4O0	4	0	4,054,823:04:8	
1460	97	204	12:33:30.866	175KG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,823:22:0	
1461	97	204	12:33:30.866		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2701.08 +/- 2	4O0	4	0	4,054,823:22:0	
1462	97	204	12:33:32.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2700.08 +/- 2	4O0	4	0	4,054,823:23:8	
1463	97	204	12:34:16.200	165KJ4A	7SCAN	NORM,339.887997,	Check S/P Position	4O0	4	0	4,054,823:90:0	
1464	97	204	12:36:22.200	118KJ	**SMOS**	GS		4O0	4	0	4,054,826:06:0	
1465	97	204	12:36:46.200	118KJ110A111A4A	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,826:42:0	
1466	97	204	12:37:29.533	118KJ110A111A4B	7STRP	0.00085,-0.00034	Slew =,0.81	4O0	4	0	4,054,827:16:0	
1467	97	204	12:37:38.200	118KJ110A111A4C	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,827:29:0	
1468	97	204	12:38:10.866	175KH422A6A	6DMSC	R115,4	DMS Control	4O0	4	0	4,054,827:78:0	
1469	97	204	12:38:10.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2700.08 +/- 2	4O0	4	0	4,054,827:78:0	
1470	97	204	12:38:12.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2700.20 +/- 2	4O0	4	0	4,054,827:80:1	
1471	97	204	12:38:17.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2701.43 +/- 2	4O0	4	0	4,054,827:88:0	
1472	97	204	12:38:18.733		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2701.49 +/- 2	4O0	4	0	4,054,827:89:8	
1473	97	204	12:38:21.533	118KJ11A	**SMOS**	GE		4O0	4	0	4,054,828:03:0	
1474	97	204	12:38:22.200	175KH176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4O0	4	0	4,054,828:04:0	
1475	97	204	12:38:22.733		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2695.19 +/- 3	4O0	4	0	4,054,828:04:8	
1476	97	204	12:38:22.733		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2695.19 +/- 2	4O0	4	0	4,054,828:04:8	
1477	97	204	12:38:34.200		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2654.88 +/- 3	4O0	4	0	4,054,828:22:0	
1478	97	204	12:38:34.200	175KH422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,828:22:0	
1479	97	204	12:38:35.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2653.88 +/- 3	4O0	4	0	4,054,828:23:8	
1480	97	204	12:39:19.533	165KL4A	7SCAN	NORM,339.887997,	Check S/P Position	4O0	4	0	4,054,828:90:0	
1481	97	204	12:41:25.533	118KL	**SMOS**	GS		4O0	4	0	4,054,831:06:0	
1482	97	204	12:41:49.533	118KL110A111A4A	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,831:42:0	
1483	97	204	12:42:32.866	118KL110A111A4B	7STRP	0.00085,-0.00034	Slew =,0.81	4O0	4	0	4,054,832:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	97	204	12:42:41.533	118KL110A111A4C	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,832:29:0	
1485	97	204	12:43:14.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2653.88 +/- 3	4O0	4	0	4,054,832:78:0	
1486	97	204	12:43:14.200	175KI422A6A	6DMSC	R115,4	DMS Control	4O0	4	0	4,054,832:78:0	
1487	97	204	12:43:15.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2654.00 +/- 3	4O0	4	0	4,054,832:80:1	
1488	97	204	12:43:20.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2655.23 +/- 3	4O0	4	0	4,054,832:88:0	
1489	97	204	12:43:22.066		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2655.29 +/- 3	4O0	4	0	4,054,832:89:8	
1490	97	204	12:43:24.866	118KL11A	**SMOS**	GE		4O0	4	0	4,054,833:03:0	
1491	97	204	12:43:25.533	175KI176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4O0	4	0	4,054,833:04:0	
1492	97	204	12:43:26.066		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2648.99 +/- 3	4O0	4	0	4,054,833:04:8	
1493	97	204	12:43:26.066		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2648.99 +/- 3	4O0	4	0	4,054,833:04:8	
1494	97	204	12:43:37.533	175KI422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,833:22:0	
1495	97	204	12:43:37.533		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2608.68 +/- 3	4O0	4	0	4,054,833:22:0	
1496	97	204	12:43:38.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2607.68 +/- 3	4O0	4	0	4,054,833:23:8	
1497	97	204	12:44:22.866	165KN4A	7SCAN	NORM,28.022,20.3	Check S/P Position	4O0	4	0	4,054,833:90:0	
1498	97	204	12:48:30.200	118KN	**SMOS**	GS		4O0	4	0	4,054,838:06:0	
1499	97	204	12:48:54.200	118KN110A111A4A	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,838:42:0	
1500	97	204	12:49:37.533	118KN110A111A4B	7STRP	0.00085,-0.00034	Slew =,0.81	4O0	4	0	4,054,839:16:0	
1501	97	204	12:49:46.200	118KN110A111A4C	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,839:29:0	
1502	97	204	12:50:18.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2607.68 +/- 3	4O0	4	0	4,054,839:78:0	
1503	97	204	12:50:18.866	175KJ422A6A	6DMSC	R115,4	DMS Control	4O0	4	0	4,054,839:78:0	
1504	97	204	12:50:20.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2607.80 +/- 3	4O0	4	0	4,054,839:80:1	
1505	97	204	12:50:25.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2609.04 +/- 3	4O0	4	0	4,054,839:88:0	
1506	97	204	12:50:26.733		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2609.10 +/- 3	4O0	4	0	4,054,839:89:8	
1507	97	204	12:50:29.533	118KN11A	**SMOS**	GE		4O0	4	0	4,054,840:03:0	
1508	97	204	12:50:30.200	175KJ176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4O0	4	0	4,054,840:04:0	
1509	97	204	12:50:30.733		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2602.80 +/- 3	4O0	4	0	4,054,840:04:8	
1510	97	204	12:50:30.733		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2602.80 +/- 3	4O0	4	0	4,054,840:04:8	
1511	97	204	12:50:42.200		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2562.48 +/- 3	4O0	4	0	4,054,840:22:0	
1512	97	204	12:50:42.200	175KJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,840:22:0	
1513	97	204	12:50:43.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2561.48 +/- 3	4O0	4	0	4,054,840:23:8	
1514	97	204	12:51:27.533	165KP4A	7SCAN	NORM,28.022,20.3	Check S/P Position	4O0	4	0	4,054,840:90:0	
1515	97	204	12:53:33.533	118KP	**SMOS**	GS		4O0	4	0	4,054,843:06:0	
1516	97	204	12:53:57.533	118KP110A111A4A	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,843:42:0	
1517	97	204	12:54:40.866	118KP110A111A4B	7STRP	0.00085,-0.00034	Slew =,0.81	4O0	4	0	4,054,844:16:0	
1518	97	204	12:54:49.533	118KP110A111A4C	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,844:29:0	
1519	97	204	12:55:22.200	175KK422A6A	6DMSC	R115,4	DMS Control	4O0	4	0	4,054,844:78:0	
1520	97	204	12:55:22.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2561.48 +/- 3	4O0	4	0	4,054,844:78:0	
1521	97	204	12:55:23.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2561.60 +/- 3	4O0	4	0	4,054,844:80:1	
1522	97	204	12:55:28.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2562.84 +/- 3	4O0	4	0	4,054,844:88:0	
1523	97	204	12:55:30.066		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2562.90 +/- 3	4O0	4	0	4,054,844:89:8	
1524	97	204	12:55:32.866	118KP11A	**SMOS**	GE		4O0	4	0	4,054,845:03:0	
1525	97	204	12:55:33.533	175KK176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4O0	4	0	4,054,845:04:0	
1526	97	204	12:55:34.066		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2556.60 +/- 3	4O0	4	0	4,054,845:04:8	
1527	97	204	12:55:34.066		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2556.60 +/- 3	4O0	4	0	4,054,845:04:8	
1528	97	204	12:55:45.533	175KK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,845:22:0	
1529	97	204	12:55:45.533		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2516.29 +/- 3	4O0	4	0	4,054,845:22:0	
1530	97	204	12:55:46.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2515.29 +/- 3	4O0	4	0	4,054,845:23:8	
1531	97	204	12:56:30.866	165KR4A	7SCAN	NORM,28.022,20.3	Check S/P Position	4O0	4	0	4,054,845:90:0	
1532	97	204	12:58:36.866	118KR	**SMOS**	GS		4O0	4	0	4,054,848:06:0	
1533	97	204	12:59:00.866	118KR110A111A4A	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,848:42:0	
1534	97	204	12:59:44.200	118KR110A111A4B	7STRP	0.00085,-0.00034	Slew =,0.81	4O0	4	0	4,054,849:16:0	
1535	97	204	12:59:52.866	118KR110A111A4C	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,849:29:0	
1536	97	204	13:00:25.533	175KL422A6A	6DMSC	R115,4	DMS Control	4O0	4	0	4,054,849:78:0	
1537	97	204	13:00:25.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2515.29 +/- 3	4O0	4	0	4,054,849:78:0	
1538	97	204	13:00:26.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2515.41 +/- 3	4O0	4	0	4,054,849:80:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	97	204	13:00:32.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2516.64 +/- 3	4O0	4	0	4,054,849:88:0	
1540	97	204	13:00:33.400		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2516.70 +/- 3	4O0	4	0	4,054,849:89:8	
1541	97	204	13:00:36.200	118KR11A	**SMOS**	GE		4O0	4	0	4,054,850:03:0	
1542	97	204	13:00:36.866	175KL176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4O0	4	0	4,054,850:04:0	
1543	97	204	13:00:37.400		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2510.40 +/- 3	4O0	4	0	4,054,850:04:8	
1544	97	204	13:00:37.400		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2510.40 +/- 3	4O0	4	0	4,054,850:04:8	
1545	97	204	13:00:48.866	175KL422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,850:22:0	
1546	97	204	13:00:48.866		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2470.09 +/- 3	4O0	4	0	4,054,850:22:0	
1547	97	204	13:00:50.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2469.09 +/- 3	4O0	4	0	4,054,850:23:8	
1548	97	204	13:01:34.200	165KT4A	7SCAN	NORM,28.022,20.3	Check S/P Position	4O0	4	0	4,054,850:90:0	
1549	97	204	13:03:40.200	118KT	**SMOS**	GS		4O0	4	0	4,054,853:06:0	
1550	97	204	13:04:04.200	118KT110A111A4A	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,853:42:0	
1551	97	204	13:04:47.533	118KT110A111A4B	7STRP	0.00085,-0.00034	Slew =,0.81	4O0	4	0	4,054,854:16:0	
1552	97	204	13:04:56.200	118KT110A111A4C	7STRP	-0.00017,0.0,26,	Slew =,0.21	4O0	4	0	4,054,854:29:0	
1553	97	204	13:05:28.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2469.09 +/- 3	4O0	4	0	4,054,854:78:0	
1554	97	204	13:05:28.866	175KM422A6A	6DMSC	R115,4	DMS Control	4O0	4	0	4,054,854:78:0	
1555	97	204	13:05:30.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2469.21 +/- 3	4O0	4	0	4,054,854:80:1	
1556	97	204	13:05:35.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2470.44 +/- 3	4O0	4	0	4,054,854:88:0	
1557	97	204	13:05:36.733		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2470.50 +/- 3	4O0	4	0	4,054,854:89:8	
1558	97	204	13:05:39.533	118KT11A	**SMOS**	GE		4O0	4	0	4,054,855:03:0	
1559	97	204	13:05:40.200	175KM176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4O0	4	0	4,054,855:04:0	
1560	97	204	13:05:40.733		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2464.20 +/- 3	4O0	4	0	4,054,855:04:8	
1561	97	204	13:05:40.733		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2464.20 +/- 3	4O0	4	0	4,054,855:04:8	
1562	97	204	13:05:52.866		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2421.55 +/- 3	4O0	4	0	4,054,855:23:0	
1563	97	204	13:05:52.866	175KM422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,855:23:0	
1564	97	204	13:05:54.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2420.55 +/- 3	4O0	4	0	4,054,855:24:8	
1565	97	204	13:11:30.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2420.55 +/- 3	4O0	4	0	4,054,860:74:0	
1566	97	204	13:11:30.200	175MF422A6A	6DMSC	R7,4	DMS Control Tape runup 7.68kbp	4O0	4	0	4,054,860:74:0	
1567	97	204	13:11:31.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2420.67 +/- 3	4O0	4	0	4,054,860:76:1	
1568	97	204	13:11:36.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2421.90 +/- 3	4O0	4	0	4,054,860:84:0	
1569	97	204	13:11:38.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2421.96 +/- 3	4O0	4	0	4,054,860:85:8	
1570	97	204	13:11:38.866	282NE431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	4O0	4	0	4,054,860:87:0	
1571	97	204	13:11:38.866	175MF176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	4,054,860:87:0	
1572	97	204	13:11:39.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2421.84 +/- 3	4O0	4	0	4,054,860:87:9	
1573	97	204	13:11:39.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2421.84 +/- 3	4O0	4	0	4,054,860:87:9	
1574	97	204	13:11:41.533	431OI6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	4,054,861:00:0	
1575	97	204	13:57:13.533	432OI431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,054,906:03:0	
1576	97	204	13:57:13.533	175MF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,054,906:03:0	
1577	97	204	13:57:13.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1781.04 +/- 3	4O0	4	0	4,054,906:03:0	
1578	97	204	13:57:14.200	432OI6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,054,906:04:0	
1579	97	204	13:57:14.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1780.98 +/- 3	4O0	4	0	4,054,906:04:8	
1580	97	204	13:57:17.533	282NF431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,054,906:09:0	
1581	97	204	13:58:06.866	282NF432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,054,906:83:0	
1582	97	204	13:58:07.533	282NF432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,054,906:84:0	
1583	97	204	14:05:00.200	41ST99A	POWER	PWR MODE change	Change to Maneuver/Playback Mode	4O0	4	0	4,054,913:66:0	
1584	**97**	**204**	**14:06:54.200**	**41ST3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,054,915:55:0**	
1585	**97**	**204**	**14:07:04.200**	**41ST3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,054,915:70:0**	
1586	**97**	**204**	**14:07:14.200**	**41ST3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,054,915:85:0**	
1587	**97**	**204**	**14:07:24.200**	**41ST3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,054,916:09:0**	
1588	97	204	14:10:00.200	444UH443A4A	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	4,054,918:61:0	
1589	97	204	14:23:28.866		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 1780.98 +/- 3	4O0	4	0	4,054,932:00:0	
1590	97	204	14:23:28.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1780.98 +/- 3	4O0	4	0	4,054,932:00:0	
1591	97	204	14:23:28.866	465WA6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	4,054,932:00:0	
1592	97	204	14:23:35.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 1780.98 +/- 3	4O0	4	0	4,054,932:10:0	
1593	97	204	14:23:36.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *1781.10 +/- 3	4O0	4	0	4,054,932:12:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	97	204	18:12:21.000		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4997.94 +/- 3	4O0	4	0	4,055,158:32:2	
1595	97	204	18:12:22.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/- 3	4O0	4	0	4,055,158:34:0	
1596	97	204	18:58:44.866	488DD6A	6TMSED	NORM,IL7	Sci, Eng, and D/L Chan	4O0	4	0	4,055,204:22:0	
1597	97	204	19:00:00.200	488DD6B	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	4O0	4	0	4,055,205:44:0	
1598	97	204	19:00:00.866	282NW432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,055,205:45:0	
1599	97	204	19:00:01.533	282NW432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,055,205:46:0	
1600	97	204	19:47:48.866	488DD6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	4,055,252:70:0	
1601	97	204	20:17:10.200	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,055,281:73:0	
1602	97	204	20:17:10.200		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/- 3	4O0	4	0	4,055,281:73:0	
1603	97	204	20:17:11.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/- 3	4O0	4	0	4,055,281:75:1	
1604	97	204	20:17:16.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/- 3	4O0	4	0	4,055,281:83:0	
1605	97	204	20:17:18.066		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/- 3	4O0	4	0	4,055,281:84:8	
1606	97	204	20:17:21.933		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/- 3	4O0	4	0	4,055,281:90:6	
1607	97	204	20:17:21.933		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/- 3	4O0	4	0	4,055,281:90:6	
1608	97	204	20:43:02.200	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,055,307:35:0	
1609	97	204	20:43:02.200		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 255.79 +/- 3	4O0	4	0	4,055,307:35:0	
1610	97	204	20:43:03.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/- 3	4O0	4	0	4,055,307:36:8	
1611	97	204	20:43:16.866	488DD6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,055,307:57:0	
1612	97	204	21:06:44.866	488DD6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,055,330:76:0	
1613	97	204	22:36:20.866	488DE6A	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	4,055,419:41:0	
1614	97	204	22:40:00.200	488DE6B	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	4O0	4	0	4,055,423:06:0	
1615	97	204	22:49:56.200	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	4O0	4	0	4,055,432:81:0	
1616	97	204	22:49:56.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/- 3	4O0	4	0	4,055,432:81:0	
1617	97	204	22:49:56.200		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/- 3	4O0	4	0	4,055,432:81:0	
1618	97	204	22:49:57.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/- 3	4O0	4	0	4,055,432:83:1	
1619	97	204	22:50:02.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/- 3	4O0	4	0	4,055,433:00:0	
1620	97	204	22:50:04.066		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/- 3	4O0	4	0	4,055,433:01:8	
1621	97	204	22:50:05.466		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/- 3	4O0	4	0	4,055,433:03:9	
1622	97	204	22:54:06.133		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/- 3	4O0	4	0	4,055,437:00:9	
1623	97	204	22:54:07.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 3	4O0	4	0	4,055,437:02:7	
1624	97	204	22:54:07.333		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/- 3	4O0	4	0	4,055,437:02:7	
1625	97	204	22:54:08.733		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	4,055,437:04:8	
1626	97	204	22:54:20.733		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	4,055,437:22:8	
1627	97	204	22:54:21.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	4,055,437:24:6	
1628	97	204	23:00:59.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,055,443:75:0	
1629	97	204	23:00:59.533	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,055,443:75:0	
1630	97	204	23:01:06.200		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,055,443:85:0	
1631	97	204	23:01:10.066		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	4,055,443:90:8	
1632	97	204	23:01:10.066		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	4,055,443:90:8	
1633	97	204	23:32:53.533	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	4,055,475:34:0	
1634	97	204	23:32:53.533		DMS:	**: *RUNDOWN**	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	4,055,475:34:0	
1635	97	204	23:32:54.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	4,055,475:35:8	
1636	97	204	23:48:29.533		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	4,055,490:73:0	
1637	97	204	23:48:29.533	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,055,490:73:0	
1638	97	204	23:48:30.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	4,055,490:75:1	
1639	97	204	23:48:36.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	4,055,490:83:0	
1640	97	204	23:48:37.400		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	4,055,490:84:8	
1641	97	204	23:48:41.266		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	4,055,490:90:6	
1642	97	204	23:48:41.266		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	4,055,490:90:6	
1643	97	205	00:20:37.533	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,055,522:53:0	
1644	97	205	00:20:37.533		DMS:	**: *RUNDOWN**	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	4,055,522:53:0	
1645	97	205	00:20:38.733		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	4,055,522:54:8	
1646	97	205	00:20:42.600		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	4,055,522:60:6	
1647	97	205	00:20:42.600		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	4,055,522:60:6	
1648	97	205	00:52:38.200		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	4,055,554:22:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	97	205	00:52:38.200	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,055,554	22:0
1650	97	205	00:52:39.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	4,055,554	23:8
1651	97	205	01:07:21.533	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,055,568	73:0
1652	97	205	01:07:21.533		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	4,055,568	73:0
1653	97	205	01:07:22.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	4,055,568	75:1
1654	97	205	01:07:28.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	4,055,568	83:0
1655	97	205	01:07:29.400		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	4,055,568	84:8
1656	97	205	01:07:33.266		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	4,055,568	90:6
1657	97	205	01:07:33.266		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	4,055,568	90:6
1658	97	205	01:39:28.866	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,055,600	52:0
1659	97	205	01:39:28.866		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	4,055,600	52:0
1660	97	205	01:39:30.066		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	4,055,600	53:8
1661	97	205	01:39:33.933		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	4,055,600	59:6
1662	97	205	01:39:33.933		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	4,055,600	59:6
1663	97	205	01:40:34.866		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	4,055,601	60:0
1664	97	205	01:40:34.866	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,055,601	60:0
1665	97	205	01:40:36.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	4,055,601	61:8
1666	97	205	01:55:04.866	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,055,616	00:0
1667	97	205	01:55:04.866		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	4,055,616	00:0
1668	97	205	01:55:58.866		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	4,055,616	81:0
1669	97	205	01:55:58.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	4,055,616	81:0
1670	97	205	01:55:58.866	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	4O0	4	0	4,055,616	81:0
1671	97	205	01:56:00.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	4,055,616	83:1
1672	97	205	01:56:05.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	4,055,617	00:0
1673	97	205	01:56:06.733		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	4,055,617	01:8
1674	97	205	01:56:08.133		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	4,055,617	03:9
1675	97	205	02:07:33.933		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	4,055,628	31:6
1676	97	205	02:07:35.133		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	4,055,628	33:4
1677	97	205	02:07:35.133		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	4,055,628	33:4
1678	97	205	02:07:36.533		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	4,055,628	35:5
1679	97	205	02:07:48.533		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	4,055,628	53:5
1680	97	205	02:07:49.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	4,055,628	55:3
1681	97	205	02:20:00.200	488DE6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	4,055,640	59:0
1682	97	205	02:25:04.200	20UF4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,055,645	60:0
1683	97	205	02:25:54.200	20UF4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,055,646	44:0
1684	97	205	02:27:26.200	176SN6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,055,648	00:0
1685	97	205	02:30:00.200	488DE6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,055,650	49:0
1686	97	205	03:24:20.866	488DE6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,055,704	26:0
1687	97	205	03:54:12.866	488DF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,055,733	75:0
1688	97	205	04:30:28.866	488DF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,055,769	63:0
1689	97	205	05:18:59.533	488DF6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,055,817	61:0
1690	97	205	05:48:05.533	488DF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,055,846	41:0
1691	97	205	07:10:28.866	488DF6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,055,927	85:0
1692	97	205	09:01:51.533	488DG6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,056,038	08:0
1693	97	205	09:05:40.866	488DG6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,056,041	79:0
1694	97	205	09:07:20.866	488DG6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,056,043	47:0
1695	97	205	13:47:26.133	488DG6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,056,320	48:0
1696	97	205	14:10:51.466	488DG6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,056,343	63:0
1697	97	205	18:54:28.800	488DH6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,056,624	18:0
1698	97	205	19:39:16.800	488DH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,056,668	46:0
1699	97	205	20:39:00.800	488DH6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,056,727	53:0
1700	97	205	21:06:44.800	488DH6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,056,755	01:0
1701	97	205	22:47:00.800	488DH6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,056,854	16:0
1702	97	206	03:03:00.800	488DI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,057,107	33:0
1703	97	206	03:54:12.800	488DI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,057,158	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	97	206	04:15:32.800	488DI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,057,179:09:0	
1705	97	206	05:11:00.800	488DI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,057,233:87:0	
1706	97	206	08:57:35.466	488DI6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,057,458:04:0	
1707	97	206	09:01:24.800	488DJ6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,057,461:75:0	
1708	97	206	09:03:04.800	488DJ6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,057,463:43:0	
1709	97	206	18:54:28.800	488DK6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,058,048:34:0	
1710	97	206	19:24:20.800	488DK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,058,077:83:0	
1711	97	206	20:34:44.733	488DK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,058,147:49:0	
1712	97	206	21:40:52.733	488DK6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,058,212:86:0	
1713	97	206	21:58:56.733	488DK6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,058,230:74:0	
1714	97	206	22:28:02.733	488DL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,058,259:54:0	
1715	97	207	03:47:48.733	488DL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,058,575:77:0	
1716	97	207	04:11:16.733	488DL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,058,599:05:0	
1717	97	207	05:08:55.400	488DM6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,058,656:06:0	
1718	97	207	05:30:12.733	488DM6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,058,677:11:0	
1719	97	207	05:36:09.400	488DM6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,058,683:00:0	
1720	97	207	08:53:19.400	488DM6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,058,878:00:0	
1721	97	207	08:57:08.733	488DM6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,058,881:71:0	
1722	97	207	08:58:48.733	488DN6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,058,883:39:0	
1723	97	207	18:43:48.733	488DO6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,059,462:00:0	
1724	97	207	19:09:24.733	488DO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,059,487:29:0	
1725	97	207	20:28:20.733	488DO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,059,565:35:0	
1726	97	207	21:06:44.733	488DO6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,059,603:33:0	
1727	97	207	23:36:04.733	488DO6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,059,751:05:0	
1728	97	208	01:54:44.733	488DP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,059,888:18:0	
1729	97	208	03:43:32.666	488DP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,059,995:73:0	
1730	97	208	04:07:00.666	488DP6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,060,019:01:0	
1731	97	208	05:25:56.666	488DP6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,060,097:07:0	
1732	97	208	08:46:55.333	488DQ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,060,295:77:0	
1733	97	208	08:50:44.666	488DQ6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,060,299:57:0	
1734	97	208	08:52:24.666	488DQ6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,060,301:25:0	
1735	97	208	11:30:00.000	418JB6A	6BUFLO	2	MUB Buffer low water m	4O0	4	0	4,060,457:12:0	
1736	97	208	11:30:00.000	418JB6B	6BUFHI	5	MUB Buffer high water	4O0	4	0	4,060,457:12:0	
1737	97	208	12:21:14.000	488DQ6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,060,507:73:0	
1738	97	208	15:00:00.000	418JC6A	6BUFLO	2	MUB Buffer low water m	4O0	4	0	4,060,664:75:0	
1739	97	208	15:00:00.000	418JC6B	6BUFHI	10	MUB Buffer high water	4O0	4	0	4,060,664:75:0	
1740	97	208	15:09:54.000	488DR6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,060,674:56:0	
1741	97	208	18:43:48.666	488DR6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,060,886:16:0	
1742	97	208	18:58:44.666	488DR6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,060,900:86:0	
1743	97	208	20:24:04.666	488DR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,060,985:31:0	
1744	97	208	21:06:44.666	488DR6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,061,027:49:0	
1745	97	209	03:39:16.666	488DS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,061,415:69:0	
1746	97	209	04:36:52.666	488DS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,061,472:66:0	
1747	97	209	05:03:52.666	488DS6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,061,499:39:0	
1748	97	209	05:32:58.666	488DS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,061,528:19:0	
1749	97	209	08:46:28.600	488DS6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,061,719:53:0	
1750	97	209	08:48:18.600	488DT6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,061,721:36:0	
1751	97	209	08:50:44.600	488DT6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,061,723:73:0	
1752	97	209	08:52:24.600	488DT6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,061,725:41:0	
1753	97	209	12:46:31.933	176BI6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,061,957:00:0	
1754	97	209	12:49:33.266	165BP4A	7SCAN	NORM,317.743999,	Check S/P Position	4O0	4	0	4,061,959:90:0	
1755	97	209	12:53:41.933	20UK4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,061,964:08:0	
1756	97	209	12:54:31.933	20UK4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,061,964:83:0	
1757	97	209	12:55:37.933	176BJ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,061,966:00:0	
1758	97	209	13:27:19.266	488DT6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,061,997:31:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	97	209	13:50:43.933	488DT6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,062,020:45:0	
1760	97	209	15:49:32.600	176SD6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,062,138:00:0	
1761	97	209	15:59:59.933		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,062,148:31:0	
1762	**97**	**209**	**16:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**4,062,148:31:1**	
1763	**97**	**209**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,062,148:31:1**	
1764	**97**	**209**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**4,062,148:31:1**	
1765	**97**	**209**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,062,148:31:1**	
1766	**97**	**209**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,062,148:31:1**	
1767	**97**	**209**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,062,148:31:1**	
1768	**97**	**209**	**16:00:00.000**	**20A3FE**	**40T1P**	**Final Condition**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,062,148:31:1**	
1769	**97**	**209**	**16:00:00.000**	**20A3FF**	**40T2**	**Final Condition**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,062,148:31:1**	
1770	**97**	**209**	**16:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**4,062,148:31:1**	

Sequence:	C09CGN	Created: 7/30/97	Begin: 97-209/16:00:00 Finish: 97-257/00:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	97	209	15:59:59.933		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,062,148:31:0
2	**97**	**209**	**16:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**4,062,148:31:1**
3	**97**	**209**	**16:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**4,062,148:31:1**
4	**97**	**209**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,062,148:31:1**
5	**97**	**209**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**4,062,148:31:1**
6	**97**	**209**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,062,148:31:1**
7	**97**	**209**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,062,148:31:1**
8	**97**	**209**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,062,148:31:1**
9	**97**	**209**	**16:00:00.000**	**20A3FE**	**40T1P**	**Initial Condition**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,062,148:31:1**
10	**97**	**209**	**16:00:00.000**	**20A3FF**	**40T2**	**Initial Condition**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,062,148:31:1**
11	**97**	**209**	**16:01:39.266**	**432JC6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4O0**	**4**	**0**	**4,062,149:89:0**
12	97	209	16:01:39.933	432JC431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,062,149:90:0
13	97	209	16:01:40.600	418JD6A	6BUFLO	2	MUB Buffer low water m	4O0	4	0	4,062,150:00:0
14	**97**	**209**	**16:01:40.600**	**432JC6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**4O0**	**4**	**0**	**4,062,150:00:0**
15	97	209	16:01:40.600	432JC6C	6RTSL1		R/T Select of DDS and	4O0	4	0	4,062,150:00:0
16	97	209	16:01:40.600	488A6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,062,150:00:0
17	97	209	16:01:40.600	418JD6B	6BUFHI	10	MUB Buffer high water	4O0	4	0	4,062,150:00:0
18	97	209	16:02:03.933	20UG4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,062,150:35:0
19	97	209	16:02:53.933	20UG4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,062,151:19:0
20	97	209	16:04:42.600	176SO6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,062,153:00:0
21	97	209	18:39:32.600	488A6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,062,306:12:0
22	97	209	18:43:48.600	488A6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,062,310:32:0
23	97	209	20:19:48.600	488A6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,062,405:27:0
24	97	209	20:24:24.600	488A6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,062,409:77:0
25	97	209	20:28:20.600	488B6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,062,413:67:0
26	97	209	20:45:55.266	488B6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,062,431:11:0
27	97	209	21:06:44.600	488B6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,062,451:65:0
28	97	210	03:32:52.600	488C6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,062,833:55:0
29	97	210	04:07:00.600	488C6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,062,867:33:0
30	97	210	05:47:16.600	488C6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,062,966:48:0
31	97	210	08:38:23.266	488C6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,063,135:69:0
32	97	210	08:42:12.600	488C6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,063,139:49:0
33	97	210	08:43:52.600	488D6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,063,141:17:0
34	97	210	18:33:08.533	488E6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,063,723:89:0
35	97	210	19:04:46.533	488E6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,063,755:24:0
36	97	210	20:13:24.533	488E6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,063,823:13:0
37	97	210	20:41:37.200	488E6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,063,851:04:0
38	97	210	21:06:44.533	488E6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,063,875:81:0
39	97	211	01:02:22.533	488F6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,064,108:85:0
40	97	211	03:01:53.866	488F6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,064,227:13:0
41	97	211	06:02:12.533	488F6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,064,405:43:0
42	97	211	07:43:39.866	488G6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,064,505:74:0
43	97	211	08:42:12.533	488G6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,064,563:65:0
44	97	211	09:43:55.200	488G6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,064,624:68:0
45	97	211	18:28:52.533	488H6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,065,143:85:0
46	97	211	20:09:08.533	488H6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,065,243:09:0
47	97	211	20:15:05.200	488H6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,065,248:89:0
48	97	211	22:09:11.800	488H6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,065,361:76:0
49	97	212	03:32:52.466	488I6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,065,681:87:0
50	97	212	04:02:44.466	488I6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,065,711:45:0
51	97	212	06:10:44.466	488I6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,065,838:08:0
52	97	212	08:27:43.133	488I6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,065,973:51:0
53	97	212	08:31:32.466	488I6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,065,977:31:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	97	212	08:33:12.466	488J6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,065,978:90:0	
55	97	212	14:34:10.466	488K6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,066,335:90:0	
56	97	212	16:27:05.133	488K6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,066,447:60:0	
57	97	212	18:24:36.466	488K6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,066,563:81:0	
58	97	212	20:04:52.466	488K6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,066,663:05:0	
59	97	212	20:09:27.800	488K6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,066,667:54:0	
60	97	212	20:13:24.466	488L6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,066,671:45:0	
61	97	212	20:20:59.133	488L6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,066,678:90:0	
62	97	212	21:31:01.133	488L6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,066,748:23:0	
63	97	212	22:04:40.466	488L6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,066,781:49:0	
64	97	212	22:21:24.466	488L6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,066,798:08:0	
65	97	213	02:28:52.466	488M6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,067,042:76:0	
66	97	213	04:02:44.466	488M6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,067,135:61:0	
67	97	213	04:43:46.400	488M6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,067,176:23:0	
68	97	213	05:12:52.400	488M6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,067,205:03:0	
69	97	213	05:48:20.400	488M6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,067,240:10:0	
70	97	213	06:25:40.400	488N6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,067,277:03:0	
71	97	213	08:31:32.400	488N6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,067,401:47:0	
72	97	213	18:24:36.400	488O6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,067,988:06:0	
73	97	213	19:58:28.400	488O6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,068,080:82:0	
74	97	213	20:04:52.400	488O6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,068,087:21:0	
75	97	213	21:02:28.400	488O6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,068,144:18:0	
76	97	214	03:24:20.400	488P6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,068,521:79:0	
77	97	214	03:56:20.400	488P6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,068,553:47:0	
78	97	214	06:32:04.400	488P6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,068,707:49:0	
79	97	214	08:27:16.400	488P6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,068,821:43:0	
80	97	214	16:20:21.666	488Q6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,069,289:33:0	
81	97	214	17:14:10.333	488Q6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,069,342:53:0	
82	97	214	18:13:56.333	488Q6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,069,401:63:0	
83	97	214	18:42:36.333	488Q6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,069,430:04:0	
84	97	214	19:54:12.333	488Q6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,069,500:78:0	
85	97	214	21:02:28.333	488R6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,069,568:34:0	
86	97	214	21:23:00.333	488R6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,069,588:62:0	
87	97	214	21:27:22.333	176SE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,069,593:00:0	
88	97	214	21:32:00.333	20UV4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,069,597:53:0	
89	97	214	21:33:00.333	20UV4D	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	4O0	4	0	4,069,598:52:0	
90	97	214	21:35:00.333	20UV4E	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	4,069,600:50:0	
91	97	214	21:40:30.333	20UV4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	4,069,605:90:0	
92	97	214	21:40:31.000	20UV4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	4,069,606:00:0	
93	97	214	21:40:51.000	20UV4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	4,069,606:30:0	
94	97	214	21:40:51.666	20UV4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	4,069,606:31:0	
95	97	214	21:41:11.666	20UV4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,069,606:61:0	
96	97	214	21:41:12.333	20UV4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,069,606:62:0	
97	97	214	21:41:22.333	20UV4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,069,606:77:0	
98	97	214	21:41:23.000	20UV4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,069,606:78:0	
99	97	214	21:41:33.000	20UV4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	4,069,607:02:0	
100	97	214	21:41:33.666	20UV4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	4,069,607:03:0	
101	97	214	21:43:20.333	20UV4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	4,069,608:72:0	
102	97	214	21:43:21.000	20UV4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	4,069,608:73:0	
103	97	214	21:43:41.000	20UV4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	4,069,609:12:0	
104	97	214	21:43:41.666	20UV4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	4,069,609:13:0	
105	97	214	21:44:01.666	20UV4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,069,609:43:0	
106	97	214	21:44:02.333	20UV4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,069,609:44:0	
107	97	214	21:44:12.333	20UV4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,069,609:59:0	
108	97	214	21:44:13.000	20UV4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,069,609:60:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	97	214	21:44:23.000	20UV4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	4,069,609:75:0	
110	97	214	21:44:23.666	20UV4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	4,069,609:76:0	
111	97	214	21:45:20.333	20UV4Z	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	4,069,610:70:0	
112	97	214	22:04:59.666	432PH431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,069,630:19:0	
113	97	214	22:05:00.333	432PH6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,069,630:20:0	
114	97	214	22:11:04.333	20UH4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,069,636:20:0	
115	97	214	22:11:54.333	20UH4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,069,637:04:0	
116	97	214	22:14:53.666	176SP6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,069,640:00:0	
117	97	214	23:36:00.333	488R6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,069,720:20:0	
118	97	214	23:57:01.000	176BK6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,069,741:00:0	
119	97	215	00:00:02.333	165BQ4A	7SCAN	NORM,317.743999,	Check S/P Position	4O0	4	0	4,069,743:90:0	
120	97	215	00:04:11.000	20UA4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,069,748:08:0	
121	97	215	00:05:01.000	20UA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,069,748:83:0	
122	97	215	00:06:07.000	176BL6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,069,750:00:0	
123	97	215	03:13:40.333	488S6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,069,935:45:0	
124	97	215	04:36:52.333	488S6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,070,017:71:0	
125	97	215	04:38:44.333	488S6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,070,019:57:0	
126	97	215	05:07:50.333	488S6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,070,048:37:0	
127	97	215	08:20:52.333	488S6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,070,239:29:0	
128	97	215	08:44:02.333	488T6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,070,262:21:0	
129	97	215	08:46:28.333	488T6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,070,264:58:0	
130	97	215	08:48:08.333	488T6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,070,266:26:0	
131	97	215	13:02:12.333	488T6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,070,517:51:0	
132	97	215	13:25:37.000	488T6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,070,540:65:0	
133	97	215	18:09:40.266	488U6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,070,821:59:0	
134	97	215	19:49:56.266	488U6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,070,920:74:0	
135	97	215	19:52:39.600	488U6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,070,923:46:0	
136	97	215	20:56:04.266	488U6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,070,986:20:0	
137	97	215	21:55:03.600	488U6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,071,044:51:0	
138	97	216	03:13:40.266	488V6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,071,359:61:0	
139	97	216	03:47:48.266	488V6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,071,393:39:0	
140	97	216	06:17:08.266	488V6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,071,541:11:0	
141	97	216	08:12:46.933	488V6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,071,655:45:0	
142	97	216	08:16:36.266	488V6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,071,659:25:0	
143	97	216	08:18:16.266	488W6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,071,660:84:0	
144	97	216	18:09:40.266	488X6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,072,245:75:0	
145	97	216	19:43:32.266	488X6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,072,338:60:0	
146	97	216	19:54:12.266	488X6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,072,349:19:0	
147	97	216	20:51:48.266	488X6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,072,406:16:0	
148	97	217	03:03:00.200	488Y6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,072,773:27:0	
149	97	217	03:15:00.200	488Y6B	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,072,785:15:0	
150	97	217	04:26:12.200	488Y6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,072,855:53:0	
151	97	217	04:28:43.533	488Y6D	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,072,858:07:0	
152	97	217	04:57:49.533	488Y6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,072,886:78:0	
153	97	217	08:12:20.200	488Z6A	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	4O0	4	0	4,073,079:21:0	
154	97	217	08:29:06.200	488Z6B	6TMSED	FILL,EL7	Sci, Eng, and D/L Chan	4O0	4	0	4,073,095:74:0	
155	97	217	08:31:32.200	488Z6C	6TMSED	FILL,EL8	Sci, Eng, and D/L Chan	4O0	4	0	4,073,098:20:0	
156	97	217	08:33:12.200	488Z6D	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	4O0	4	0	4,073,099:79:0	
157	97	217	12:52:11.533	488Z6E	6TMSED	FILL,EL8	Sci, Eng, and D/L Chan	4O0	4	0	4,073,356:01:0	
158	97	217	13:15:36.200	488AA6A	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	4O0	4	0	4,073,379:15:0	
159	97	217	18:03:16.200	488AA6B	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	4,073,663:61:0	
160	97	217	19:43:32.200	488AB6A	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,073,762:76:0	
161	97	217	19:49:56.200	488AB6B	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,073,769:15:0	
162	97	217	20:47:32.200	488AB6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,073,826:12:0	
163	97	218	01:30:01.533	488AB6D	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,074,105:47:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	97	218	01:42:33.533	488AB6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,074,117	83:0
165	97	218	02:58:44.200	488AC6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,074,193	23:0
166	97	218	03:37:08.200	488AC6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,074,231	21:0
167	97	218	05:40:52.200	488AC6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	4,074,353	55:0
168	97	218	08:00:00.133	488AC6D	6TMSED	NORM,HL6	Sci, Eng, and D/L Chan	4O0	4	0	4,074,491	19:0
169	97	218	08:00:00.800	282NK432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,074,491	20:0
170	97	218	08:00:01.466	282NK432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,074,491	21:0
171	97	218	08:02:06.800	488AC6E	6TMSED	FILL,HL6	Sci, Eng, and D/L Chan	4O0	4	0	4,074,493	27:0
172	97	218	08:05:56.133	488AD6A	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	4O0	4	0	4,074,497	07:0
173	97	218	08:07:36.133	488AD6B	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	4O0	4	0	4,074,498	66:0
174	97	218	17:59:00.133	488AE6A	6TMSED	NORM,HL6	Sci, Eng, and D/L Chan	4O0	4	0	4,075,083	57:0
175	97	218	18:00:00.133	488AE6B	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	4,075,084	56:0
176	97	218	18:00:00.800	282NL432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,075,084	57:0
177	97	218	18:00:01.466	282NL432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,075,084	58:0
178	97	218	19:39:16.133	488AE6C	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,075,182	72:0
179	97	218	20:36:52.133	488AE6D	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,075,239	69:0
180	97	219	03:13:40.133	488AF6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,075,632	18:0
181	97	219	03:30:44.133	488AF6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,075,649	07:0
182	97	219	05:00:00.133	488AF6C	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	4O0	4	0	4,075,737	33:0
183	97	219	05:02:40.133	176KD6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,075,740	00:0
184	97	219	05:04:41.466		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,075,742	00:0
185	97	219	05:04:41.466	465KV6A	6DMST	1635	DMS Slew to TIC	4O0	4	0	4,075,742	00:0
186	97	219	05:04:41.466		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,075,742	00:0
187	97	219	05:04:41.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,075,742	00:0
188	97	219	05:04:48.133		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,075,742	10:0
189	97	219	05:04:49.533		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	4,075,742	12:1
190	97	219	05:21:40.133	488AF6D	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	4O0	4	0	4,075,758	72:0
191	97	219	06:08:50.800	488AF6E	6TMSED	FILL,FL6	Sci, Eng, and D/L Chan	4O0	4	0	4,075,805	41:0
192	97	219	06:22:40.133	488AG6A	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	4O0	4	0	4,075,819	11:0
193	97	219	06:46:32.933		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *1632.94 +/-	4O0	4	0	4,075,842	67:2
194	97	219	06:46:34.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1633.00 +/-	4O0	4	0	4,075,842	69:0
195	97	219	07:57:50.800	488AG6B	6TMSED	FILL,FL6	Sci, Eng, and D/L Chan	4O0	4	0	4,075,913	23:0
196	97	219	08:01:40.133	488AG6C	6TMSED	FILL,FL8	Sci, Eng, and D/L Chan	4O0	4	0	4,075,917	03:0
197	97	219	08:03:20.133	488AG6D	6TMSED	NORM,FL8	Sci, Eng, and D/L Chan	4O0	4	0	4,075,918	62:0
198	97	219	08:30:00.133	488AG6E	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	4O0	4	0	4,075,945	05:0
199	97	219	08:30:00.800	282NV432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,075,945	06:0
200	97	219	08:30:01.466	282NV432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,075,945	07:0
201	97	219	10:54:32.133		DMS:	: READY	RDY, TRACK *4, *REV, TIC 1633.00 +/-	4O0	4	0	4,076,088	00:0
202	97	219	10:54:32.133	465KW6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,076,088	00:0
203	97	219	10:55:00.133	41SJ99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	4O0	4	0	4,076,088	42:0
204	**97**	**219**	**10:55:04.133**	**41SJ3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,076,088**	**48:0**
205	**97**	**219**	**10:55:14.133**	**41SJ3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,076,088**	**63:0**
206	**97**	**219**	**10:55:24.133**	**41SJ3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,076,088**	**78:0**
207	**97**	**219**	**10:55:34.133**	**41SJ3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,076,089**	**02:0**
208	97	219	11:06:28.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1633.00 +/-	4O0	4	0	4,076,099	74:0
209	97	219	11:06:28.800	175MG422A6A	6DMSC	R7,4	DMS Control Tape runup 7.68kbp	4O0	4	0	4,076,099	74:0
210	97	219	11:06:30.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1633.12 +/-	4O0	4	0	4,076,099	76:1
211	97	219	11:06:35.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1634.35 +/-	4O0	4	0	4,076,099	84:0
212	97	219	11:06:36.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1634.41 +/-	4O0	4	0	4,076,099	85:8
213	97	219	11:06:37.466	175MG176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	4,076,099	87:0
214	97	219	11:06:37.466	282NG431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	4O0	4	0	4,076,099	87:0
215	97	219	11:06:38.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1634.29 +/-	4O0	4	0	4,076,099	87:9
216	97	219	11:06:38.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1634.29 +/-	4O0	4	0	4,076,099	87:9
217	97	219	11:06:40.133	431OK6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	4,076,100	00:0
218	97	219	12:30:39.466	41SA99A	**POWER**	**PWR MODE change**	**Change to Calib/Decon Mode**	4O0	4	0	4,076,183	06:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	**97**	**219**	**12:30:43.466**	**41SA3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,076,183:12:0**	
220	**97**	**219**	**12:30:53.466**	**41SA3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,076,183:27:0**	
221	**97**	**219**	**12:31:03.466**	**41SA3K**	**40T2R**		**1 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,076,183:42:0**	
222	**97**	**219**	**12:31:13.466**	**41SA3L**	**40T2R**		**2 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,076,183:57:0**	
223	97	219	12:37:42.133	432OK431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,076,190:03:0	
224	97	219	12:37:42.800	432OK6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,076,190:04:0	
225	97	219	12:37:46.133	282NH431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,076,190:09:0	
226	97	219	12:37:52.133	175MG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,076,190:18:0	
227	97	219	12:37:52.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 351.31 +/-	4O0	4	0	4,076,190:18:0	
228	97	219	12:37:53.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 351.25 +/-	4O0	4	0	4,076,190:19:8	
229	97	219	12:38:35.466	282NH432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,076,190:83:0	
230	97	219	12:38:36.133	282NH432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,076,190:84:0	
231	97	219	12:42:34.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 351.25 +/-	4O0	4	0	4,076,194:77:0	
232	97	219	12:42:34.133	175ZQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,076,194:77:0	
233	97	219	12:42:35.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 351.37 +/-	4O0	4	0	4,076,194:79:1	
234	97	219	12:42:40.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 352.60 +/-	4O0	4	0	4,076,194:87:0	
235	97	219	12:42:42.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 352.66 +/-	4O0	4	0	4,076,194:88:8	
236	97	219	12:42:42.800	175ZQ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	4,076,194:90:0	
237	97	219	12:42:43.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 352.54 +/-	4O0	4	0	4,076,194:90:9	
238	97	219	12:42:43.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 352.54 +/-	4O0	4	0	4,076,194:90:9	
239	97	219	12:47:50.133	175ZQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,076,200:05:0	
240	97	219	12:47:50.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 280.65 +/-	4O0	4	0	4,076,200:05:0	
241	97	219	12:47:51.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 280.59 +/-	4O0	4	0	4,076,200:06:8	
242	97	219	12:50:00.066	41SU99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	4O0	4	0	4,076,202:18:0	
243	**97**	**219**	**12:51:54.066**	**41SU3G**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,076,204:07:0**	
244	**97**	**219**	**12:52:04.066**	**41SU3H**	**40T1P**		**2 PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,076,204:22:0**	
245	**97**	**219**	**12:52:14.066**	**41SU3I**	**40T2**		**1 PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,076,204:37:0**	
246	**97**	**219**	**12:52:24.066**	**41SU3J**	**40T2**		**2 PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,076,204:52:0**	
247	97	219	17:54:44.066	488AH6A	6TMSED	NORM,IL6	Sci, Eng, and D/L Chan	4O0	4	0	4,076,503:53:0	
248	97	219	18:30:00.066	488AH6B	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	4,076,538:42:0	
249	97	219	18:30:00.733	282NU432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,076,538:43:0	
250	97	219	18:30:01.400	282NU432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,076,538:44:0	
251	97	219	19:35:00.066	488AH6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,076,602:68:0	
252	97	219	19:43:32.066	488AH6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,076,611:17:0	
253	97	219	21:00:55.400	488AH6E	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,076,687:66:0	
254	97	219	21:32:20.066	488AI6A	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,076,718:72:0	
255	97	219	21:33:56.066	488AI6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,076,720:34:0	
256	97	220	02:24:36.066	488AI6C	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,077,007:77:0	
257	97	220	02:47:25.400	488AI6D	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,077,030:38:0	
258	97	220	03:01:05.400	488AI6E	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,077,043:85:0	
259	97	220	03:56:30.066	488AJ6A	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,077,098:67:0	
260	97	220	04:02:44.066	488AJ6B	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,077,104:82:0	
261	97	220	04:47:47.400	488AJ6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,077,149:42:0	
262	97	220	07:15:00.066	488AJ6D	6TMSED	NORM,HL5	Sci, Eng, and D/L Chan	4O0	4	0	4,077,295:05:0	
263	97	220	07:15:00.733	282NM432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,077,295:06:0	
264	97	220	07:15:01.400	282NM432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,077,295:07:0	
265	97	220	08:01:40.066	488AJ6E	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	4O0	4	0	4,077,341:19:0	
266	97	220	08:03:30.066	488AK6A	6TMSED	FILL,HL7	Sci, Eng, and D/L Chan	4O0	4	0	4,077,343:02:0	
267	97	220	08:05:56.066	488AK6B	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	4O0	4	0	4,077,345:39:0	
268	97	220	08:07:36.066	488AK6C	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	4O0	4	0	4,077,347:07:0	
269	97	220	12:37:09.400	488AK6D	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	4O0	4	0	4,077,613:61:0	
270	97	220	13:00:34.066	488AK6E	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	4O0	4	0	4,077,636:75:0	
271	97	220	17:15:00.066	488AL6A	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	4O0	4	0	4,077,888:42:0	
272	97	220	17:15:00.733	282NN432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,077,888:43:0	
273	97	220	17:15:01.400	282NN432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,077,888:44:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	97	220	17:37:00.066	488AL6B	6TMSED	NORM,EH8	Sci, Eng, and D/L Chan	4O0	4	0	4,077,910	20:0
275	97	220	17:54:44.066	488AL6C	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	4O0	4	0	4,077,927	69:0
276	97	220	19:35:00.000	488AL6D	6TMSED	NORM,EH4	Sci, Eng, and D/L Chan	4O0	4	0	4,078,026	84:0
277	97	220	20:21:56.000	488AL6E	6TMSED	NORM,EH5	Sci, Eng, and D/L Chan	4O0	4	0	4,078,073	31:0
278	97	221	00:50:00.000	488AM6A	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,078,338	42:0
279	97	221	00:50:04.000	20UJ4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,078,338	48:0
280	97	221	00:50:54.000	20UJ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,078,339	32:0
281	97	221	00:52:34.000	176SR6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,078,341	00:0
282	97	221	00:54:34.666	432OU431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,078,342	90:0
283	97	221	00:54:35.333	432OU6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,078,343	00:0
284	97	221	02:48:04.000	488AM6B	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,078,455	21:0
285	97	221	03:52:04.000	488AM6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,078,518	48:0
286	97	221	04:13:41.333	488AM6D	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,078,539	83:0
287	97	221	04:42:47.333	488AM6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,078,568	63:0
288	97	221	07:57:24.000	488AN6A	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	4O0	4	0	4,078,761	15:0
289	97	221	07:59:14.000	488AN6B	6TMSED	FILL,EL7	Sci, Eng, and D/L Chan	4O0	4	0	4,078,762	89:0
290	97	221	08:01:40.000	488AN6C	6TMSED	FILL,EL8	Sci, Eng, and D/L Chan	4O0	4	0	4,078,765	35:0
291	97	221	08:03:20.000	488AN6D	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	4O0	4	0	4,078,767	03:0
292	97	221	12:32:09.333	488AN6E	6TMSED	FILL,EL8	Sci, Eng, and D/L Chan	4O0	4	0	4,079,032	82:0
293	97	221	12:55:34.000	488AO6A	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	4O0	4	0	4,079,056	05:0
294	97	221	15:53:00.000	488AO6B	6TMSED	NORM,EH8	Sci, Eng, and D/L Chan	4O0	4	0	4,079,231	49:0
295	97	221	15:57:30.666	176SG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,079,236	00:0
296	97	221	16:25:02.000	490UA412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4O0	4	0	4,079,263	20:0
297	97	221	16:30:00.000	490UA412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	4,079,268	12:0
298	97	221	16:34:10.000	490UA412A4E	7VECT	RTH	Inert vect update UTC	4O0	4	0	4,079,272	23:0
299	97	221	16:34:14.000	490UA412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	4,079,272	29:0
300	97	221	16:38:02.000	490UA412A406A4A	7STAR	1,3000,95.710999	Star catalog update	4O0	4	0	4,079,276	07:0
301	97	221	16:38:04.000	490UA412A406A4B	7STAR	2,111,257.16	Star catalog update	4O0	4	0	4,079,276	10:0
302	97	221	16:38:06.000	490UA412A406A4C	7STAR	3,138,199.44	Star catalog update	4O0	4	0	4,079,276	13:0
303	97	221	16:38:08.000	490UA412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	4,079,276	16:0
304	97	221	16:38:10.000	490UA412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	4,079,276	19:0
305	97	221	16:38:12.000	490UA412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	4,079,276	22:0
306	97	221	17:44:04.000	488AO6C	6TMSED	NORM,EH7	Sci, Eng, and D/L Chan	4O0	4	0	4,079,341	35:0
307	97	221	17:46:12.666	490UA412A4L	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	4,079,343	46:0
308	97	221	17:54:59.333	432PN431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,079,352	17:0
309	97	221	17:55:00.000	432PN6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,079,352	18:0
310	97	221	18:11:00.000	488AO6D	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	4O0	4	0	4,079,368	02:0
311	97	221	18:11:04.000	20UK4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,079,368	08:0
312	97	221	18:11:54.000	20UK4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,079,368	83:0
313	97	221	18:14:00.666	176SS6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,079,371	00:0
314	97	221	18:24:36.000	488AO6E	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	4,079,381	43:0
315	97	221	19:28:36.000	488AP6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	4,079,444	70:0
316	97	221	20:02:44.000	488AP6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	4,079,478	48:0
317	97	221	21:51:32.000	488AP6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	4,079,586	12:0
318	97	221	22:00:00.000	488AP6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,079,594	46:0
319	97	221	23:56:46.666	176BM6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,079,710	00:0
320	97	221	23:59:48.000	165BR4A	7SCAN	NORM,312.362,-20	Check S/P Position	4O0	4	0	4,079,712	90:0
321	97	222	00:03:56.666	20UB4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,079,717	08:0
322	97	222	00:04:46.666	20UB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,079,717	83:0
323	97	222	00:05:52.666	176BN6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,079,719	00:0
324	97	222	01:48:20.000	488AQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,079,820	30:0
325	97	222	02:43:47.933	488AQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,079,875	17:0
326	97	222	03:05:07.933	488AQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,079,896	26:0
327	97	222	04:02:43.933	488AQ6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,079,953	23:0
328	97	222	07:57:50.600	488AR6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,080,185	71:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	97	222	08:01:39.933	488AR6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,080,189:51:0	
330	97	222	08:03:19.933	488AR6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,080,191:19:0	
331	97	222	17:44:03.933	488AS6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,080,765:51:0	
332	97	222	18:28:51.933	488AS6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,080,809:79:0	
333	97	222	19:24:19.933	488AS6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,080,864:66:0	
334	97	222	20:26:11.933	488AS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,080,925:83:0	
335	97	222	20:48:41.266	488AS6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,080,948:14:0	
336	97	222	21:17:47.933	488AT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,080,976:86:0	
337	97	223	01:00:21.933	41SB99A	**POWER**	**PWR MODE change**	**Change to Calib/Decon Mode**	4O0	4	0	4,081,197:06:0	
338	**97**	**223**	**01:00:21.933**	**C9NNRCTRLT02-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
339	**97**	**223**	**01:00:25.933**	**41SB3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,081,197:12:0**	
340	**97**	**223**	**01:00:35.933**	**41SB3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,081,197:27:0**	
341	**97**	**223**	**01:00:45.933**	**41SB3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,081,197:42:0**	
342	**97**	**223**	**01:00:55.933**	**41SB3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,081,197:57:0**	
343	97	223	01:11:25.266	176XI6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,081,208:00:0	
344	97	223	01:14:31.266	20XG4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	4,081,211:06:0	
345	97	223	01:18:37.933	20US4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,081,215:12:0	
346	97	223	01:19:27.933	20US4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,081,215:87:0	
347	97	223	01:21:31.933	176YE6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,081,218:00:0	
348	**97**	**223**	**01:22:32.600**	**185XG10A3A**	**40HRP**	**1**	**RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**4,081,219:00:0**	
349	**97**	**223**	**01:22:37.933**	**185XG10B3A**	**40HRP**	**2**	**RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**4,081,219:08:0**	
350	97	223	02:39:31.933	488AT6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,081,295:13:0	
351	97	223	03:00:51.933	488AT6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,081,316:22:0	
352	97	223	03:47:47.933	488AU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,081,362:60:0	
353	97	223	04:00:04.600	488AU6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,081,374:73:0	
354	97	223	04:26:53.933	488AU6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,081,401:30:0	
355	97	223	07:42:54.600	488AU6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,081,595:17:0	
356	97	223	07:46:43.933	488AU6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,081,598:88:0	
357	97	223	07:48:23.933	488AV6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,081,600:56:0	
358	**97**	**223**	**13:17:19.200**	**125XG4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**4,081,925:84:0**	
359	97	223	13:17:19.200	125XG	NIMSINIT	GS	##### GROUP START INIT	460	4	0	4,081,925:84:0	
360	**97**	**223**	**13:18:19.866**	**125XG4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,081,926:84:0**	
361	**97**	**223**	**13:19:20.533**	**125XG4C**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**4,081,927:84:0**	
362	97	223	13:20:21.200	125XG11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	4,081,928:84:0	
363	**97**	**223**	**13:20:21.200**	**125XG4D**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**4,081,928:84:0**	
364	97	223	13:22:22.533	127XG	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	4,081,930:84:0	
365	**97**	**223**	**13:22:22.533**	**127XG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**4,081,930:84:0**	
366	**97**	**223**	**13:22:23.200**	**127XG4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**4,081,930:85:0**	
367	97	223	13:22:31.200	127XG11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	4,081,931:06:0	
368	97	223	13:26:29.866	176XG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	4,081,935:00:0	
369	97	223	13:32:33.866	192XG4A	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	4,081,941:00:0	
370	**97**	**223**	**13:34:55.200**	**432XG6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,081,943:30:0**	
371	**97**	**223**	**13:35:54.533**	**432XH6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,081,944:28:0**	
372	97	223	13:38:37.866	192XG4B	**7CONE**	**17.0,0.0**	**Check S/P Position**	1R3	4	0	4,081,947:00:0	
373	**97**	**223**	**13:40:59.200**	**432XI6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,081,949:30:0**	
374	**97**	**223**	**13:42:59.200**	**432YE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,081,951:28:0**	
375	97	223	13:44:41.866	192XG4C	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	4,081,953:00:0	
376	**97**	**223**	**13:46:43.200**	**185XG10C3A**	**40HRPR**	**1**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**4,081,955:00:0**	
377	**97**	**223**	**13:46:48.533**	**185XG10D3A**	**40HRPR**	**2**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**4,081,955:08:0**	
378	**97**	**223**	**13:47:03.200**	**432YF6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,081,955:30:0**	
379	**97**	**223**	**13:48:02.533**	**432ZE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,081,956:28:0**	
380	97	223	13:50:45.866	192XG4D	**7CONE**	**17.0,153.0**	**Check S/P Position**	1R3	4	0	4,081,959:00:0	
381	97	223	13:51:41.866	127XH	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	4,081,959:84:0	
382	**97**	**223**	**13:51:41.866**	**127XH4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**4,081,959:84:0**	
383	**97**	**223**	**13:51:42.533**	**127XH4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**1R0**	**4**	**0**	**4,081,959:85:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	97	223	13:51:50.533	127XH11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R0	4	0	4,081,960	06:0
385	97	223	13:54:43.866	125XH	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	4,081,962	84:0
386	**97**	**223**	**13:54:43.866**	**125XH4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**4,081,962**	**84:0**
387	**97**	**223**	**13:55:44.533**	**125XH4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**4,081,963**	**84:0**
388	97	223	13:56:45.200	125XH11A	NIMSINIT	GE	##### GROUP END INIT	160	4	0	4,081,964	84:0
389	**97**	**223**	**13:56:45.200**	**125XH4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**4,081,964**	**84:0**
390	97	223	14:02:57.866	41SZ99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	1O0	4	0	4,081,971	06:0
391	**97**	**223**	**14:04:51.866**	**41SZ3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,081,972**	**86:0**
392	**97**	**223**	**14:05:01.866**	**41SZ3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,081,973**	**10:0**
393	**97**	**223**	**14:05:11.866**	**41SZ3I**	**40T2**	**1**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,081,973**	**25:0**
394	**97**	**223**	**14:05:21.866**	**41SZ3J**	**40T2**	**2**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,081,973**	**40:0**
395	97	223	14:13:08.533	20UT4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,081,981	12:0
396	97	223	14:13:58.533	20UT4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,081,981	87:0
397	97	223	14:16:02.533	176XH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,081,984	00:0
398	**97**	**223**	**14:16:06.599**	**C9NNRCTRLT02-**		**-----STOP-------**		**1O0**	**4**	**0**	**:**	**:**
399	97	223	14:57:29.866	176BO6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,082,025	00:0
400	97	223	15:00:31.200	165BS4A	7SCAN	NORM,312.362,-20	Check S/P Position	1O0	4	0	4,082,027	90:0
401	97	223	15:04:39.866	20UC4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,082,032	08:0
402	97	223	15:05:29.866	20UC4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,082,032	83:0
403	97	223	15:06:35.866	176BP6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,082,034	00:0
404	97	223	17:39:47.866	488AW6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,082,185	47:0
405	97	223	18:28:51.866	488AW6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,082,234	04:0
406	97	223	19:20:03.866	488AW6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,082,284	62:0
407	97	223	19:47:47.866	488AW6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,082,312	10:0
408	97	223	21:06:43.866	488AW6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,082,390	16:0
409	97	224	02:13:55.866	488AX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,082,694	00:0
410	97	224	03:34:59.866	488AX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,082,774	16:0
411	97	224	03:52:03.866	488AX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,082,791	05:0
412	97	224	07:38:38.533	488AX6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,083,015	13:0
413	97	224	07:42:27.866	488AX6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,083,018	84:0
414	97	224	07:44:07.866	488AY6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,083,020	52:0
415	97	224	08:23:41.200	488AY6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,083,059	63:0
416	97	224	09:29:05.866	488AY6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,083,124	35:0
417	97	224	17:33:23.800	488AZ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,083,603	33:0
418	97	224	18:33:07.800	488AZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,083,662	40:0
419	97	224	19:13:39.800	488AZ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,083,702	48:0
420	97	224	19:37:07.800	488AZ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,083,725	67:0
421	97	224	20:51:47.800	488AZ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,083,799	53:0
422	97	225	02:18:11.800	488BA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,084,122	36:0
423	97	225	03:26:27.800	488BA6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,084,189	83:0
424	97	225	07:32:14.466	488BA6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,084,432	90:0
425	97	225	07:36:03.800	488BA6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,084,436	70:0
426	97	225	07:37:43.800	488BA6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,084,438	38:0
427	97	225	17:29:07.800	488BB6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,085,023	29:0
428	97	225	18:33:07.800	488BB6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,085,086	56:0
429	97	225	19:13:39.800	488BB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,085,126	64:0
430	97	225	19:56:19.800	488BB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,085,168	82:0
431	97	225	20:38:41.800	488BB6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,085,210	73:0
432	97	225	21:07:47.800	488BC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,085,239	53:0
433	97	226	03:15:47.733	488BD6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,085,603	49:0
434	97	226	03:50:04.400	488BD6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,085,637	40:0
435	97	226	04:16:54.400	488BD6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,085,663	89:0
436	97	226	07:27:58.400	488BD6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,085,852	86:0
437	97	226	07:31:47.733	488BD6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,085,856	66:0
438	97	226	07:33:27.733	488BE6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,085,858	34:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	97	226	17:24:51.733	488BF6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,086,443	25:0
440	97	226	18:33:07.733	488BF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,086,510	72:0
441	97	226	19:09:23.733	488BF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,086,546	60:0
442	97	226	19:26:27.733	488BF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,086,563	49:0
443	97	226	20:26:11.733	488BF6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,086,622	56:0
444	97	227	02:28:51.733	488BG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,086,981	27:0
445	97	227	02:50:11.733	488BG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,087,002	36:0
446	97	227	03:48:42.400	488BG6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,087,060	24:0
447	97	227	04:11:15.666	488BG6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,087,082	52:0
448	97	227	04:16:15.666	488BG6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,087,087	47:0
449	97	227	07:27:58.333	488BH6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,087,277	11:0
450	97	227	07:31:47.666	488BH6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,087,280	82:0
451	97	227	07:33:27.666	488BH6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,087,282	50:0
452	97	227	12:07:10.333	488BH6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,087,553	23:0
453	97	227	12:30:35.000	488BH6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,087,576	37:0
454	97	227	17:18:27.666	488BI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,087,861	11:0
455	97	227	17:32:05.000	488BI6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,087,874	54:0
456	97	227	17:43:37.666	488BI6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,087,886	01:0
457	97	227	18:28:51.666	488BI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,087,930	68:0
458	97	227	19:02:59.666	488BI6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,087,964	46:0
459	97	227	19:22:11.666	488BJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,087,983	45:0
460	97	227	20:17:39.666	488BJ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,088,038	32:0
461	97	228	02:24:35.666	488BK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,088,401	23:0
462	97	228	03:00:51.666	488BK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,088,437	11:0
463	97	228	07:23:42.333	488BK6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,088,697	07:0
464	97	228	07:27:31.666	488BK6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,088,700	78:0
465	97	228	07:29:11.666	488BK6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,088,702	46:0
466	97	228	17:14:11.600	488BL6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,089,281	07:0
467	97	228	18:28:51.600	488BL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,089,354	84:0
468	97	228	19:02:59.600	488BL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,089,388	62:0
469	97	228	19:22:11.600	488BL6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,089,407	61:0
470	97	228	20:06:59.600	488BL6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,089,451	89:0
471	97	229	02:28:51.600	488BM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,089,829	59:0
472	97	229	02:45:55.600	488BM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,089,846	48:0
473	97	229	03:38:43.600	488BM6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,089,898	68:0
474	97	229	04:00:35.600	488BM6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,089,920	34:0
475	97	229	04:06:06.266	488BM6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,089,925	75:0
476	97	229	07:17:18.266	488BN6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,090,114	84:0
477	97	229	07:21:07.600	488BN6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,090,118	64:0
478	97	229	07:22:47.600	488BN6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,090,120	32:0
479	97	229	11:57:11.600	488BN6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,090,391	67:0
480	97	229	12:20:36.266	488BN6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,090,414	81:0
481	97	229	17:14:11.533	488BO6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,090,705	23:0
482	97	229	18:28:51.533	488BO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,090,779	09:0
483	97	229	18:58:43.533	488BO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,090,808	58:0
484	97	229	19:15:47.533	488BO6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,090,825	47:0
485	97	229	20:02:43.533	488BO6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,090,871	85:0
486	97	230	02:13:55.533	488BP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,091,239	05:0
487	97	230	02:52:19.533	488BP6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,091,277	03:0
488	97	230	07:13:02.200	488BP6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,091,534	80:0
489	97	230	07:16:51.533	488BP6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,091,538	60:0
490	97	230	07:18:31.533	488BP6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,091,540	28:0
491	97	230	17:09:55.533	488BQ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,092,125	19:0
492	97	230	18:24:35.533	488BQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,092,199	05:0
493	97	230	18:48:03.533	488BQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,092,222	24:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	97	230	19:07:15.533	488BQ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,092,241	23:0
495	97	230	19:52:03.533	488BQ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,092,285	51:0
496	97	231	02:09:39.466	488BR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,092,659	01:0
497	97	231	02:41:39.466	488BR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,092,690	60:0
498	97	231	07:08:46.133	488BR6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,092,954	76:0
499	97	231	07:12:35.466	488BR6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,092,958	56:0
500	97	231	07:14:15.466	488BR6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,092,960	24:0
501	97	231	17:03:31.466	488BS6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,093,543	05:0
502	97	231	18:18:11.466	488BS6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,093,616	82:0
503	97	231	18:43:47.466	488BS6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,093,642	20:0
504	97	231	19:15:47.466	488BS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,093,673	79:0
505	97	231	20:13:45.466	488BS6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,093,731	18:0
506	97	231	20:42:51.466	488BT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,093,759	89:0
507	97	231	21:06:43.466	488BT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,093,783	53:0
508	97	232	00:59:15.466	488BT6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,094,013	51:0
509	97	232	02:37:23.466	488BT6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,094,110	56:0
510	97	232	03:25:09.466	488BU6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,094,157	78:0
511	97	232	03:51:59.466	488BU6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,094,184	36:0
512	97	232	07:02:22.066	488BU6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,094,372	62:0
513	97	232	07:06:11.400	488BU6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,094,376	42:0
514	97	232	07:07:51.400	488BU6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,094,378	10:0
515	97	232	17:03:31.400	488BV6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,094,967	21:0
516	97	232	18:18:11.400	488BV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,095,041	07:0
517	97	232	18:43:47.400	488BV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,095,066	36:0
518	97	232	19:00:51.400	488BV6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,095,083	25:0
519	97	232	19:41:23.400	488BV6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,095,123	33:0
520	97	233	02:13:55.400	488BW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,095,511	53:0
521	97	233	03:15:47.400	488BW6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,095,572	70:0
522	97	233	03:25:10.733	488BW6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,095,582	05:0
523	97	233	03:52:00.066	488BW6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,095,608	53:0
524	97	233	06:58:06.066	488BW6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,095,792	58:0
525	97	233	07:01:55.400	488BX6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,095,796	38:0
526	97	233	07:03:35.400	488BX6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,095,798	06:0
527	97	233	11:42:15.400	488BX6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,096,073	61:0
528	97	233	12:05:40.066	488BX6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,096,096	75:0
529	97	233	17:03:31.333	488BY6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,096,391	37:0
530	97	233	18:13:55.333	488BY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,096,461	03:0
531	97	233	18:39:31.333	488BY6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,096,486	32:0
532	97	233	18:56:35.333	488BY6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,096,503	21:0
533	97	233	19:37:07.333	488BY6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,096,543	29:0
534	97	234	01:54:43.333	488BZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,096,916	70:0
535	97	234	02:26:43.333	488BZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,096,948	38:0
536	97	234	05:32:19.333	488BZ6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,097,131	89:0
537	97	234	06:45:00.000	488BZ6D	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	1O0	4	0	4,097,203	78:0
538	97	234	06:45:00.666	282NO432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	1O0	4	0	4,097,203	79:0
539	97	234	06:45:01.333	282NO432A6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,097,203	80:0
540	97	234	06:55:13.333	488BZ6E	6TMSED	FILL,HL7	Sci, Eng, and D/L Chan	1O0	4	0	4,097,213	88:0
541	97	234	06:57:39.333	488CA6A	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	1O0	4	0	4,097,216	34:0
542	97	234	06:59:19.333	488CA6B	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	1O0	4	0	4,097,218	02:0
543	97	234	16:45:00.000	488CB6A	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	1O0	4	0	4,097,797	24:0
544	97	234	16:45:00.666	282NP432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	1O0	4	0	4,097,797	25:0
545	97	234	16:45:01.333	282NP432A6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,097,797	26:0
546	97	234	16:53:00.000	488CB6B	6TMSED	NORM,EH8	Sci, Eng, and D/L Chan	1O0	4	0	4,097,805	16:0
547	97	234	16:57:52.666	176SH6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,097,810	00:0
548	97	234	16:59:15.333	488CB6C	6TMSED	NORM,EH7	Sci, Eng, and D/L Chan	1O0	4	0	4,097,811	33:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	97	234	17:02:00.000	20UW4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,097,814	07:0
550	97	234	17:03:00.000	20UW4D	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	1O0	4	0	4,097,815	06:0
551	97	234	17:05:00.000	20UW4E	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	4,097,817	04:0
552	97	234	17:10:30.000	20UW4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	1O0	4	0	4,097,822	44:0
553	97	234	17:10:30.666	20UW4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	1O0	4	0	4,097,822	45:0
554	97	234	17:10:50.666	20UW4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	1O0	4	0	4,097,822	75:0
555	97	234	17:10:51.333	20UW4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	1O0	4	0	4,097,822	76:0
556	97	234	17:11:11.333	20UW4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	4,097,823	15:0
557	97	234	17:11:12.000	20UW4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	4,097,823	16:0
558	97	234	17:11:22.000	20UW4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	4,097,823	31:0
559	97	234	17:11:22.666	20UW4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	4,097,823	32:0
560	97	234	17:11:32.666	20UW4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	1O0	4	0	4,097,823	47:0
561	97	234	17:11:33.333	20UW4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	1O0	4	0	4,097,823	48:0
562	97	234	17:13:20.000	20UW4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	1O0	4	0	4,097,825	26:0
563	97	234	17:13:20.666	20UW4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	1O0	4	0	4,097,825	27:0
564	97	234	17:13:40.666	20UW4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	1O0	4	0	4,097,825	57:0
565	97	234	17:13:41.333	20UW4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	1O0	4	0	4,097,825	58:0
566	97	234	17:14:01.333	20UW4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	4,097,825	88:0
567	97	234	17:14:02.000	20UW4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	4,097,825	89:0
568	97	234	17:14:12.000	20UW4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	4,097,826	13:0
569	97	234	17:14:12.666	20UW4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	4,097,826	14:0
570	97	234	17:14:22.666	20UW4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	1O0	4	0	4,097,826	29:0
571	97	234	17:14:23.333	20UW4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	1O0	4	0	4,097,826	30:0
572	97	234	17:15:20.000	20UW4Z	**7MODE**	**CRU**	**AACS CRUISE MODE**	1O0	4	0	4,097,827	24:0
573	97	234	17:34:59.333	432PJ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	4,097,846	64:0
574	97	234	17:35:00.000	432PJ6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,097,846	65:0
575	97	234	17:41:04.000	20UL4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,097,852	65:0
576	97	234	17:41:54.000	20UL4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,097,853	49:0
577	97	234	17:43:22.666	176ST6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,097,855	00:0
578	97	234	18:09:39.333	488CB6D	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	1O0	4	0	4,097,880	90:0
579	97	234	18:33:07.333	488CB6E	6TMSED	NORM,EH4	Sci, Eng, and D/L Chan	1O0	4	0	4,097,904	18:0
580	97	234	19:00:51.333	488CC6A	6TMSED	NORM,EH5	Sci, Eng, and D/L Chan	1O0	4	0	4,097,931	57:0
581	97	234	19:05:00.000	488CC6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	1O0	4	0	4,097,935	66:0
582	97	234	19:58:49.266	488CC6C	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	1O0	4	0	4,097,988	87:0
583	97	234	20:27:55.933	488CC6D	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	1O0	4	0	4,098,017	68:0
584	97	234	20:41:07.266	488CC6E	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	1O0	4	0	4,098,030	72:0
585	97	234	23:57:29.266	176BQ6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,098,225	00:0
586	97	235	00:00:30.600	165BT4A	7SCAN	NORM,312.362,-20	Check S/P Position	1O0	4	0	4,098,227	90:0
587	97	235	00:04:39.266	20UD4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,098,232	08:0
588	97	235	00:05:29.266	20UD4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,098,232	83:0
589	97	235	00:06:35.266	176BR6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,098,234	00:0
590	97	235	00:59:15.266	488CD6A	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	1O0	4	0	4,098,286	08:0
591	97	235	02:22:27.266	488CD6B	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	1O0	4	0	4,098,368	34:0
592	97	235	03:10:12.600	488CD6C	6TMSED	FILL,EL6	Sci, Eng, and D/L Chan	1O0	4	0	4,098,415	55:0
593	97	235	03:37:01.933	488CD6D	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	1O0	4	0	4,098,442	12:0
594	97	235	05:21:39.266	488CD6E	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	1O0	4	0	4,098,545	55:0
595	97	235	06:44:59.933	488CE6A	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	1O0	4	0	4,098,628	03:0
596	97	235	06:45:00.600	282NT432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	1O0	4	0	4,098,628	04:0
597	97	235	06:45:01.266	282NT432A6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,098,628	05:0
598	97	235	06:46:59.266	176KE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,098,630	00:0
599	97	235	06:48:49.266	488CE6B	6TMSED	FILL,HL7	Sci, Eng, and D/L Chan	1O0	4	0	4,098,631	74:0
600	97	235	06:49:00.600	465KX6A	6DMST	350	DMS Slew to TIC	1O0	4	0	4,098,632	00:0
601	97	235	06:49:00.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 280.59 +/-	1O0	4	0	4,098,632	00:0
602	97	235	06:49:00.600		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 280.59 +/-	1O0	4	0	4,098,632	00:0
603	97	235	06:49:07.266		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 280.59 +/-	1O0	4	0	4,098,632	10:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	97	235	06:49:08.666		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 280.71 +/-	1O0	4	0	4,098,632:12:1	
605	97	235	06:51:15.266	488CE6C	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	1O0	4	0	4,098,634:20:0	
606	97	235	06:52:55.266	488CE6D	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	1O0	4	0	4,098,635:79:0	
607	97	235	06:53:54.733		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC * 347.94 +/-	1O0	4	0	4,098,636:77:2	
608	97	235	06:53:55.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 348.00 +/-	1O0	4	0	4,098,636:79:0	
609	97	235	10:44:59.933	488CE6E	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	1O0	4	0	4,098,865:36:0	
610	97	235	13:54:41.266		DMS:	: READY	RDY, TRACK *3, FWD, TIC 348.00 +/-	1O0	4	0	4,099,053:00:0	
611	97	235	13:54:41.266	465KY6A	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	4,099,053:00:0	
612	97	235	13:54:59.933	41SK99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	1O0	4	0	4,099,053:28:0	
613	**97**	**235**	**13:55:03.933**	**41SK3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**4,099,053:34:0**	
614	**97**	**235**	**13:55:13.933**	**41SK3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**4,099,053:49:0**	
615	**97**	**235**	**13:55:23.933**	**41SK3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**4,099,053:64:0**	
616	**97**	**235**	**13:55:33.933**	**41SK3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**4,099,053:79:0**	
617	97	235	14:07:39.266	175MH422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,099,065:75:0	
618	97	235	14:07:39.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 348.00 +/-	1O0	4	0	4,099,065:75:0	
619	97	235	14:07:45.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 348.00 +/-	1O0	4	0	4,099,065:85:0	
620	97	235	14:07:47.266	282NI431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	1O0	4	0	4,099,065:87:0	
621	97	235	14:07:47.266	175MH176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,099,065:87:0	
622	97	235	14:07:47.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 348.12 +/-	1O0	4	0	4,099,065:87:1	
623	97	235	14:07:47.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 348.12 +/-	1O0	4	0	4,099,065:87:1	
624	97	235	14:07:49.933	431OM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	1O0	4	0	4,099,066:00:0	
625	97	235	16:09:11.933	432OM431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	4,099,186:03:0	
626	97	235	16:09:11.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2055.45 +/-	1O0	4	0	4,099,186:03:0	
627	97	235	16:09:11.933	175MH422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,099,186:03:0	
628	97	235	16:09:12.600	432OM6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,099,186:04:0	
629	97	235	16:09:13.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2055.51 +/-	1O0	4	0	4,099,186:04:8	
630	97	235	16:09:15.933	282NJ431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	1O0	4	0	4,099,186:09:0	
631	97	235	16:10:05.266	282NJ432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	1O0	4	0	4,099,186:83:0	
632	97	235	16:10:05.933	282NJ432A6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,099,186:84:0	
633	97	235	16:14:59.933	41SV99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	1O0	4	0	4,099,191:70:0	
634	**97**	**235**	**16:16:53.933**	**41SV3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,099,193:59:0**	
635	**97**	**235**	**16:17:03.933**	**41SV3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,099,193:74:0**	
636	**97**	**235**	**16:17:13.933**	**41SV3I**	**40T2**	**1**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,099,193:89:0**	
637	**97**	**235**	**16:17:23.933**	**41SV3J**	**40T2**	**2**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,099,194:13:0**	
638	97	235	16:23:19.266		DMS:	: *SLEW-TIC	P7, TRACK *1, FWD, TIC 2055.51 +/-	1O0	4	0	4,099,200:00:0	
639	97	235	16:23:19.266	465WK6A	6DMST	5000	DMS Slew to TIC	1O0	4	0	4,099,200:00:0	
640	97	235	16:23:19.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2055.51 +/-	1O0	4	0	4,099,200:00:0	
641	97	235	16:23:25.933		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2055.51 +/-	1O0	4	0	4,099,200:10:0	
642	97	235	16:23:27.333		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2055.63 +/-	1O0	4	0	4,099,200:12:1	
643	97	235	16:59:15.266	488CF6A	6TMSED	NORM,IL7	Sci, Eng, and D/L Chan	1O0	4	0	4,099,235:49:0	
644	97	235	17:29:59.933	488CF6B	6TMSED	NORM,GL7	Sci, Eng, and D/L Chan	1O0	4	0	4,099,265:86:0	
645	97	235	18:09:39.266	488CF6C	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	1O0	4	0	4,099,305:15:0	
646	97	235	18:33:07.266	488CF6D	6TMSED	NORM,GL4	Sci, Eng, and D/L Chan	1O0	4	0	4,099,328:34:0	
647	97	235	18:52:19.266	488CF6E	6TMSED	NORM,GL5	Sci, Eng, and D/L Chan	1O0	4	0	4,099,347:33:0	
648	97	235	19:26:27.266	488CG6A	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	1O0	4	0	4,099,381:11:0	
649	97	235	19:52:40.066		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4997.94 +/-	1O0	4	0	4,099,407:04:2	
650	97	235	19:52:41.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	1O0	4	0	4,099,407:06:0	
651	97	235	22:17:00.600	465WL6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	4,099,549:73:0	
652	97	235	22:17:00.600		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	1O0	4	0	4,099,549:73:0	
653	97	235	22:17:02.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	1O0	4	0	4,099,549:75:1	
654	97	235	22:17:07.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	1O0	4	0	4,099,549:83:0	
655	97	235	22:17:08.466		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	1O0	4	0	4,099,549:84:8	
656	97	235	22:17:12.333		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	1O0	4	0	4,099,549:90:6	
657	97	235	22:17:12.333		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	1O0	4	0	4,099,549:90:6	
658	97	235	22:42:52.600	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	4,099,575:35:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	97	235	22:42:52.600		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 255.79 +/-	1O0	4	0	4,099,575	35:0
660	97	235	22:42:53.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	1O0	4	0	4,099,575	36:8
661	97	236	00:29:59.933	488CG6B	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	1O0	4	0	4,099,681	30:0
662	97	236	00:30:00.600	282NS432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	1O0	4	0	4,099,681	31:0
663	97	236	00:30:01.266	282NS432A6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,099,681	32:0
664	97	236	00:35:47.933	488CG6C	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	1O0	4	0	4,099,687	06:0
665	97	236	00:45:43.933	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	1O0	4	0	4,099,696	81:0
666	97	236	00:45:43.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	1O0	4	0	4,099,696	81:0
667	97	236	00:45:43.933		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	1O0	4	0	4,099,696	81:0
668	97	236	00:45:45.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	1O0	4	0	4,099,696	83:1
669	97	236	00:45:50.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	1O0	4	0	4,099,697	00:0
670	97	236	00:45:51.800		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	1O0	4	0	4,099,697	01:8
671	97	236	00:45:53.200		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	1O0	4	0	4,099,697	03:9
672	97	236	00:49:53.866		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	1O0	4	0	4,099,701	00:9
673	97	236	00:49:55.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	1O0	4	0	4,099,701	02:7
674	97	236	00:49:55.066		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	1O0	4	0	4,099,701	02:7
675	97	236	00:49:56.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	4,099,701	04:8
676	97	236	00:50:08.466		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	4,099,701	22:8
677	97	236	00:50:09.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	4,099,701	24:6
678	97	236	00:56:47.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	4,099,707	75:0
679	97	236	00:56:47.266	465WN6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	1O0	4	0	4,099,707	75:0
680	97	236	00:56:53.933		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	4,099,707	85:0
681	97	236	00:56:57.800		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	1O0	4	0	4,099,707	90:8
682	97	236	00:56:57.800		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	1O0	4	0	4,099,707	90:8
683	97	236	01:28:41.266	465WN6B	6DMSC	RDY,1	DMS Control Tape stop	1O0	4	0	4,099,739	34:0
684	97	236	01:28:41.266		DMS:	**: *RUNDOWN**	P100, TRACK 1, FWD, TIC *6063.01 +/-	1O0	4	0	4,099,739	34:0
685	97	236	01:28:42.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	1O0	4	0	4,099,739	35:8
686	97	236	01:44:03.266	488CH6A	6TMSED	NORM,EH5	Sci, Eng, and D/L Chan	1O0	4	0	4,099,754	52:0
687	97	236	01:44:17.266		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	1O0	4	0	4,099,754	73:0
688	97	236	01:44:17.266	465WO6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	1O0	4	0	4,099,754	73:0
689	97	236	01:44:18.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	1O0	4	0	4,099,754	75:1
690	97	236	01:44:23.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	1O0	4	0	4,099,754	83:0
691	97	236	01:44:25.133		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	1O0	4	0	4,099,754	84:8
692	97	236	01:44:29.000		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	1O0	4	0	4,099,754	90:6
693	97	236	01:44:29.000		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	1O0	4	0	4,099,754	90:6
694	97	236	02:16:03.200	488CH6B	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	1O0	4	0	4,099,786	20:0
695	97	236	02:16:25.200	465WP6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	4,099,786	53:0
696	97	236	02:16:25.200		DMS:	**: *RUNDOWN**	P100, TRACK 2, REV, TIC * 165.17 +/-	1O0	4	0	4,099,786	53:0
697	97	236	02:16:26.400		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.37 +/-	1O0	4	0	4,099,786	54:8
698	97	236	02:16:30.266		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.87 +/-	1O0	4	0	4,099,786	60:6
699	97	236	02:16:30.266		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.87 +/-	1O0	4	0	4,099,786	60:6
700	97	236	02:48:25.866	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	4,099,818	22:0
701	97	236	02:48:25.866		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC *6062.58 +/-	1O0	4	0	4,099,818	22:0
702	97	236	02:48:27.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.38 +/-	1O0	4	0	4,099,818	23:8
703	97	236	03:03:09.200	465WQ6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	4,099,832	73:0
704	97	236	03:03:09.200		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.38 +/-	1O0	4	0	4,099,832	73:0
705	97	236	03:03:10.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.50 +/-	1O0	4	0	4,099,832	75:1
706	97	236	03:03:15.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.74 +/-	1O0	4	0	4,099,832	83:0
707	97	236	03:03:17.066		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.80 +/-	1O0	4	0	4,099,832	84:8
708	97	236	03:03:20.933		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.30 +/-	1O0	4	0	4,099,832	90:6
709	97	236	03:03:20.933		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.30 +/-	1O0	4	0	4,099,832	90:6
710	97	236	03:35:16.533	465WR6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	4,099,864	52:0
711	97	236	03:35:16.533		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 166.58 +/-	1O0	4	0	4,099,864	52:0
712	97	236	03:35:17.733		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.78 +/-	1O0	4	0	4,099,864	53:8
713	97	236	03:35:21.600		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.28 +/-	1O0	4	0	4,099,864	59:6

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	97	236	03:35:21.600		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.28 +/-	1O0	4	0	4,099,864	59:6
715	97	236	03:36:22.533	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	4,099,865	60:0
716	97	236	03:36:22.533		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC * 358.72 +/-	1O0	4	0	4,099,865	60:0
717	97	236	03:36:23.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.52 +/-	1O0	4	0	4,099,865	61:8
718	97	236	03:50:52.533	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	4,099,880	00:0
719	97	236	03:50:52.533		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.52 +/-	1O0	4	0	4,099,880	00:0
720	97	236	03:51:46.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.52 +/-	1O0	4	0	4,099,880	81:0
721	97	236	03:51:46.533		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.52 +/-	1O0	4	0	4,099,880	81:0
722	97	236	03:51:46.533	465WT6A	6DTRN	CMD,6DTRN,465WT6	DMS TRACK TURNAROUND	1O0	4	0	4,099,880	81:0
723	97	236	03:51:47.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.64 +/-	1O0	4	0	4,099,880	83:1
724	97	236	03:51:53.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.88 +/-	1O0	4	0	4,099,881	00:0
725	97	236	03:51:54.400		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.94 +/-	1O0	4	0	4,099,881	01:8
726	97	236	03:51:55.800		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.82 +/-	1O0	4	0	4,099,881	03:9
727	97	236	04:03:22.466		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	1O0	4	0	4,099,892	32:9
728	97	236	04:03:23.666		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	1O0	4	0	4,099,892	34:7
729	97	236	04:03:23.666		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	1O0	4	0	4,099,892	34:7
730	97	236	04:03:25.066		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	4,099,892	36:8
731	97	236	04:03:37.066		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	4,099,892	54:8
732	97	236	04:03:38.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	4,099,892	56:6
733	97	236	04:15:47.866	488CH6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	1O0	4	0	4,099,904	59:0
734	97	236	04:30:03.866	20UM4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,099,918	69:0
735	97	236	04:30:53.866	20UM4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,099,919	53:0
736	97	236	04:32:19.866	176SU6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,099,921	00:0
737	97	236	05:10:59.200	488CH6D	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	1O0	4	0	4,099,959	21:0
738	97	236	06:44:33.200	488CH6E	6TMSED	FILL,EL7	Sci, Eng, and D/L Chan	1O0	4	0	4,100,051	70:0
739	97	236	06:46:59.200	488CI6A	6TMSED	FILL,EL8	Sci, Eng, and D/L Chan	1O0	4	0	4,100,054	16:0
740	97	236	06:48:39.200	488CI6B	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	1O0	4	0	4,100,055	75:0
741	97	236	06:59:59.866	488CI6C	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	1O0	4	0	4,100,067	04:0
742	97	236	07:00:00.533	282NQ432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	1O0	4	0	4,100,067	05:0
743	97	236	07:00:01.200	282NQ432A6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,100,067	06:0
744	97	236	16:52:51.200	488CJ6A	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	1O0	4	0	4,100,653	35:0
745	97	236	16:59:59.866	488CJ6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,100,660	41:0
746	97	236	17:00:00.533	282NR432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	1O0	4	0	4,100,660	42:0
747	97	236	17:00:01.200	282NR432A6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,100,660	43:0
748	97	236	18:03:15.200	488CJ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,100,723	01:0
749	97	236	18:28:51.200	488CJ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,100,748	30:0
750	97	236	19:22:11.200	488CJ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,100,801	07:0
751	97	237	01:44:03.200	488CK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,101,178	68:0
752	97	237	02:11:47.200	488CK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,101,206	16:0
753	97	237	05:02:27.200	488CK6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,101,374	88:0
754	97	237	06:38:08.533	488CK6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,101,469	55:0
755	97	237	06:40:35.200	488CK6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,101,472	02:0
756	97	237	06:42:15.200	488CL6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,101,473	61:0
757	97	237	16:52:51.133	488CM6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,102,077	51:0
758	97	237	17:58:59.133	488CM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,102,142	88:0
759	97	237	18:24:35.133	488CM6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,102,168	26:0
760	97	237	18:26:48.466	488CM6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,102,170	44:0
761	97	237	18:33:07.133	488CM6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,102,176	66:0
762	97	237	18:47:12.466	488CN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,102,190	60:0
763	97	237	18:56:35.133	488CN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,102,199	85:0
764	97	237	19:53:54.466	488CN6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,102,256	57:0
765	97	237	20:23:00.466	488CN6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,102,285	37:0
766	97	237	20:26:11.133	488CN6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,102,288	50:0
767	97	238	00:48:35.133	488CO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,102,548	06:0
768	97	238	02:07:31.133	488CO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,102,626	12:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	97	238	02:55:17.800	488CO6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,102,673	35:0
770	97	238	03:22:07.133	488CO6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,102,699	83:0
771	97	238	04:56:03.133	488CO6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,102,792	74:0
772	97	238	06:33:53.133	488CP6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,102,889	52:0
773	97	238	06:36:19.133	488CP6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,102,891	89:0
774	97	238	06:37:59.133	488CP6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,102,893	57:0
775	97	238	07:23:31.133	488CP6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,102,938	60:0
776	97	238	08:28:55.800	488CP6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,103,003	32:0
777	97	238	16:48:35.066	488CQ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,103,497	47:0
778	97	238	17:54:43.066	488CQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,103,562	84:0
779	97	238	18:18:11.066	488CQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,103,586	12:0
780	97	238	18:35:15.066	488CQ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,103,603	01:0
781	97	238	19:11:31.066	488CQ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,103,638	80:0
782	97	239	01:48:19.066	488CR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,104,031	29:0
783	97	239	02:41:39.066	488CR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,104,084	06:0
784	97	239	03:05:19.733	488CR6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,104,107	44:0
785	97	239	03:32:09.066	488CR6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,104,134	01:0
786	97	239	06:32:29.733	488CR6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,104,312	34:0
787	97	239	06:36:19.066	488CS6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,104,316	14:0
788	97	239	06:37:59.066	488CS6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,104,317	73:0
789	97	239	11:12:24.400	488CS6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,104,589	19:0
790	97	239	11:35:49.066	488CS6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,104,612	33:0
791	97	239	16:44:19.066	488CT6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,104,917	43:0
792	97	239	17:48:19.066	488CT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,104,980	70:0
793	97	239	18:13:55.066	488CT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,105,006	08:0
794	97	239	18:30:59.066	488CT6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,105,022	88:0
795	97	239	19:07:15.066	488CT6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,105,058	76:0
796	97	240	01:29:07.000	488CU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,105,436	46:0
797	97	240	02:01:07.000	488CU6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,105,468	14:0
798	97	240	04:47:31.000	488CU6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,105,632	66:0
799	97	240	06:23:13.000	488CU6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,105,727	34:0
800	97	240	06:25:39.000	488CU6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,105,729	71:0
801	97	240	06:27:19.000	488CV6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,105,731	39:0
802	97	240	16:37:55.000	488CW6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,106,335	29:0
803	97	240	17:48:19.000	488CW6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,106,404	86:0
804	97	240	18:09:39.000	488CW6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,106,426	04:0
805	97	240	18:37:23.000	488CW6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,106,453	43:0
806	97	240	19:33:59.666	488CW6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,106,509	42:0
807	97	240	20:03:05.666	488CX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,106,538	22:0
808	97	240	20:11:15.000	488CX6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,106,546	28:0
809	97	241	00:33:39.000	488CX6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,106,805	75:0
810	97	241	02:07:31.000	488CY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,106,898	60:0
811	97	241	02:55:23.666	488CY6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,106,946	01:0
812	97	241	03:22:13.000	488CY6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,106,972	49:0
813	97	241	04:41:06.933	488CY6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,107,050	52:0
814	97	241	06:23:12.933	488CY6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,107,151	50:0
815	97	241	06:25:38.933	488CZ6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,107,153	87:0
816	97	241	06:27:18.933	488CZ6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,107,155	55:0
817	97	241	16:33:38.933	488DA6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,107,755	25:0
818	97	241	17:44:02.933	488DA6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,107,824	82:0
819	97	241	18:09:38.933	488DA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,107,850	20:0
820	97	241	18:26:42.933	488DA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,107,867	09:0
821	97	241	18:56:34.933	488DA6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,107,896	58:0
822	97	242	01:18:26.933	488DB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,108,274	28:0
823	97	242	01:50:26.933	488DB6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,108,305	87:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	97	242	04:41:06.933	488DB6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,108,474	68:0
825	97	242	06:18:56.933	488DB6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,108,571	46:0
826	97	242	06:21:22.933	488DB6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,108,573	83:0
827	97	242	06:23:02.933	488DC6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,108,575	51:0
828	97	242	16:29:22.866	488DD6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,109,175	21:0
829	97	242	17:37:38.866	488DD6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,109,242	68:0
830	97	242	18:03:14.866	488DD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,109,268	06:0
831	97	242	18:20:18.866	488DD6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,109,284	86:0
832	97	242	18:56:34.866	488DD6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,109,320	74:0
833	97	243	01:29:06.866	488DE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,109,709	03:0
834	97	243	02:26:42.866	488DE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,109,766	00:0
835	97	243	02:40:27.533	488DE6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,109,779	54:0
836	97	243	03:07:17.533	488DE6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,109,806	12:0
837	97	243	06:13:17.533	488DE6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,109,990	08:0
838	97	243	06:17:06.866	488DF6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,109,993	79:0
839	97	243	06:18:46.866	488DF6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,109,995	47:0
840	97	243	10:57:32.200	488DF6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,110,271	19:0
841	97	243	11:20:56.866	488DF6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,110,294	33:0
842	97	243	16:22:58.866	488DG6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,110,593	07:0
843	97	243	17:33:22.800	488DG6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,110,662	64:0
844	97	243	17:58:58.800	488DG6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,110,688	02:0
845	97	243	18:16:02.800	488DG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,110,704	82:0
846	97	243	18:52:18.800	488DG6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,110,740	70:0
847	97	244	01:14:10.800	488DH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,111,118	40:0
848	97	244	01:46:10.800	488DH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,111,150	08:0
849	97	244	04:36:50.800	488DH6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,111,318	80:0
850	97	244	06:08:16.800	488DH6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,111,409	28:0
851	97	244	06:10:42.800	488DH6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,111,411	65:0
852	97	244	06:12:22.800	488DI6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,111,413	33:0
853	97	244	16:18:42.800	488DJ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,112,013	03:0
854	97	244	17:29:06.800	488DJ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,112,082	60:0
855	97	244	17:52:34.800	488DJ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,112,105	79:0
856	97	244	18:20:18.800	488DJ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,112,133	27:0
857	97	244	19:19:08.800	488DJ6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,112,191	44:0
858	97	244	19:48:14.800	488DK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,112,220	24:0
859	97	244	20:00:34.800	488DK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,112,232	42:0
860	97	245	00:08:02.733	488DK6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,112,477	19:0
861	97	245	02:20:18.733	488DL6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,112,608	02:0
862	97	245	02:25:31.400	488DL6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,112,613	16:0
863	97	245	02:57:21.400	488DL6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,112,644	60:0
864	97	245	06:02:37.400	488DL6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,112,827	81:0
865	97	245	06:06:26.733	488DL6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,112,831	61:0
866	97	245	06:08:06.733	488DM6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,112,833	29:0
867	97	245	10:47:37.400	488DM6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,113,109	69:0
868	97	245	11:11:02.066	488DM6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,113,132	83:0
869	97	245	16:14:26.733	488DN6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,113,432	90:0
870	97	245	17:22:42.733	488DN6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,113,500	46:0
871	97	245	17:48:18.733	488DN6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,113,525	75:0
872	97	245	18:05:22.733	488DN6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,113,542	64:0
873	97	245	18:41:38.733	488DN6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,113,578	52:0
874	97	246	01:03:30.733	488DO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,113,956	22:0
875	97	246	01:35:30.733	488DO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,113,987	81:0
876	97	246	04:45:22.733	488DO6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,114,175	61:0
877	97	246	05:59:44.066	488DO6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,114,249	19:0
878	97	246	06:02:10.733	488DO6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,114,251	57:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	97	246	06:03:50.733	488DP6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,114,253:25:0	
880	97	246	16:08:02.666	488DQ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,114,850:76:0	
881	97	246	16:42:35.333	176KF6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,114,885:00:0	
882	97	246	16:44:36.666		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	4,114,887:00:0	
883	97	246	16:44:36.666	465KZ6A	6DMST	2245	DMS Slew to TIC	1O0	4	0	4,114,887:00:0	
884	97	246	16:44:36.666		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	4,114,887:00:0	
885	97	246	16:44:36.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	4,114,887:00:0	
886	97	246	16:44:43.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	4,114,887:10:0	
887	97	246	16:44:44.733		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	1O0	4	0	4,114,887:12:1	
888	97	246	17:18:26.666	488DQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,114,920:42:0	
889	97	246	17:44:02.666	488DQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,114,945:71:0	
890	97	246	18:01:06.666	488DQ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,114,962:60:0	
891	97	246	18:41:38.666	488DQ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,115,002:68:0	
892	97	246	19:09:50.800		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2242.94 +/-	1O0	4	0	4,115,030:58:2	
893	97	246	19:09:52.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2243.00 +/-	1O0	4	0	4,115,030:60:0	
894	97	246	19:50:50.666	488DR6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,115,071:17:0	
895	97	246	19:52:02.000	490UB412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	1O0	4	0	4,115,072:33:0	
896	97	246	19:57:00.000	490UB412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	4,115,077:25:0	
897	97	246	20:01:10.000	490UB412A4E	7VECT	MVR	Inert vect update UTC	1O0	4	0	4,115,081:36:0	
898	97	246	20:01:14.000	490UB412A4F	7TURN	2,MVR	ALERT Thruster	1O0	4	0	4,115,081:42:0	
899	97	246	20:05:02.000	490UB412A406A4A	7STAR	7,3000,95.710999	Star catalog update	1O0	4	0	4,115,085:20:0	
900	97	246	20:05:04.000	490UB412A406A4B	7STAR	8,150,319.35	Star catalog update	1O0	4	0	4,115,085:23:0	
901	97	246	20:05:06.000	490UB412A406A4C	7STAR	9,195,177.80	Star catalog update	1O0	4	0	4,115,085:26:0	
902	97	246	20:05:08.000	490UB412A406A4D	7STAR	10,0,0.0,0.0	Star catalog update	1O0	4	0	4,115,085:29:0	
903	97	246	20:05:10.000	490UB412A406A4E	7STAR	11,0,0.0,0.0	Star catalog update	1O0	4	0	4,115,085:32:0	
904	97	246	20:05:12.000	490UB412A406A4F	7STAR	12,0,0.0,0.0	Star catalog update	1O0	4	0	4,115,085:35:0	
905	97	246	21:38:59.333	432OD431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	4,115,178:13:0	
906	97	246	21:39:00.000	432OD6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,115,178:14:0	
907	**97**	**246**	**21:39:55.399**	**C9NNCHOPON04-**		**-----START------**		**1O0**	**4**	**0**	**: :**	
908	**97**	**246**	**21:42:48.666**	**125FX4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**4,115,181:84:0**	
909	97	246	21:42:48.666	125FX	NIMSINIT	GS	##### GROUP START INIT	160	4	0	4,115,181:84:0	
910	**97**	**246**	**21:43:49.333**	**125FX4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**1R0**	**4**	**0**	**4,115,182:84:0**	
911	97	246	21:44:50.000	125FX11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	4,115,183:84:0	
912	**97**	**246**	**21:44:50.000**	**125FX4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**4,115,183:84:0**	
913	97	246	21:49:58.000	465LA6A	6DMSC	RDY,3	DMS Control Tape stop	1R0	4	0	4,115,189:00:0	
914	97	246	21:49:58.000		DMS:	: READY	RDY, TRACK *3, FWD, TIC 2243.00 +/-	1R0	4	0	4,115,189:00:0	
915	97	246	21:50:00.000	41SL99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	1R0	4	0	4,115,189:03:0	
916	**97**	**246**	**21:50:02.066**	**C9NNCHOPON04-**		**-----STOP-------**		**1R0**	**4**	**0**	**: :**	
917	**97**	**246**	**21:50:04.000**	**41SL3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1R0**	**4**	**0**	**4,115,189:09:0**	
918	**97**	**246**	**21:50:14.000**	**41SL3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1R0**	**4**	**0**	**4,115,189:24:0**	
919	**97**	**246**	**21:50:24.000**	**41SL3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1R0**	**4**	**0**	**4,115,189:39:0**	
920	**97**	**246**	**21:50:34.000**	**41SL3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1R0**	**4**	**0**	**4,115,189:54:0**	
921	**97**	**246**	**22:01:09.399**	**C9JNGRS15601-**		**-----START------**		**1R0**	**4**	**0**	**: :**	
922	97	246	22:02:05.333	165LJ4A	7SCAN	NORM,163.743999,	Check S/P Position	1R0	4	0	4,115,200:90:0	
923	97	246	22:04:02.666	125LJ11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	4,115,202:84:0	
924	97	246	22:04:02.666	125LJ	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	4,115,202:84:0	
925	**97**	**246**	**22:04:02.666**	**125LJ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**4,115,202:84:0**	
926	**97**	**246**	**22:05:03.333**	**127LJ4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,115,203:84:0**	
927	97	246	22:05:03.333	127LJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,115,203:84:0	
928	**97**	**246**	**22:05:04.000**	**127LJ4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,115,203:85:0**	
929	97	246	22:05:12.000	127LJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,115,204:06:0	
930	97	246	22:05:57.333		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2243.00 +/-	2R5	4	1	4,115,204:74:0	
931	97	246	22:05:57.333	175LJ422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,115,204:74:0	
932	97	246	22:05:59.333	117LJ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,115,204:77:0	
933	97	246	22:06:04.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2243.00 +/-	2R5	4	1	4,115,204:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	97	246	22:06:05.333	175LJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,115,204:86:0	
935	97	246	22:06:05.400		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2243.12 +/-	2R5	4	1	4,115,204:86:1	
936	97	246	22:06:05.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2243.12 +/-	2R5	4	1	4,115,204:86:1	
937	**97**	**246**	**22:06:08.666**	**C9JNGRS15601-**	**NIMPBK**	**301KG**	**JUPITER GREAT RED SPOT 156 DEGRE**	**2R5**	**4**	**1**	**: :**	
938	97	246	22:06:08.666	117LJ105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,115,205:00:0	
939	**97**	**246**	**22:06:58.666**	**C9JNGRS15601-**	**DESELC**	**300KG**	**JUPITER GREAT RED SPOT 156 DEGRE**	**2R5**	**4**	**1**	**: :**	
940	97	246	22:07:00.666	175LJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,115,205:78:0	
941	97	246	22:07:00.666	175LJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,115,205:78:0	
942	97	246	22:07:00.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2256.07 +/-	2R5	4	1	4,115,205:78:0	
943	97	246	22:07:01.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2256.13 +/-	2R5	4	1	4,115,205:79:8	
944	97	246	22:07:09.333	117LJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,115,206:00:0	
945	**97**	**246**	**22:07:13.399**	**C9JNGRS15601-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
946	**97**	**246**	**22:08:04.066**	**C9JNSOU15601-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
947	97	246	22:08:09.333	165LL4A	7SCAN	NORM,163.765999,	Check S/P Position	2R5	4	1	4,115,206:90:0	
948	97	246	22:12:01.333		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2256.13 +/-	2R5	4	1	4,115,210:74:0	
949	97	246	22:12:01.333	175LL422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,115,210:74:0	
950	97	246	22:12:03.333	117LL	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,115,210:77:0	
951	97	246	22:12:08.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2256.13 +/-	2R5	4	1	4,115,210:84:0	
952	97	246	22:12:09.333	175LL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,115,210:86:0	
953	97	246	22:12:09.400		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2256.25 +/-	2R5	4	1	4,115,210:86:1	
954	97	246	22:12:09.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2256.25 +/-	2R5	4	1	4,115,210:86:1	
955	97	246	22:12:12.666	117LL105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,115,211:00:0	
956	**97**	**246**	**22:12:12.666**	**C9JNSOU15601-**	**NIMPBK**	**301KH**	**JUPITER SOUTHERN HEMISPHERE 156**	**2R5**	**4**	**1**	**: :**	
957	**97**	**246**	**22:13:02.666**	**C9JNSOU15601-**	**DESELC**	**300KH**	**JUPITER SOUTHERN HEMISPHERE 156**	**2R5**	**4**	**1**	**: :**	
958	97	246	22:13:04.666	175LL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,115,211:78:0	
959	97	246	22:13:04.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2269.21 +/-	2R5	4	1	4,115,211:78:0	
960	97	246	22:13:04.666	175LL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,115,211:78:0	
961	97	246	22:13:05.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2269.27 +/-	2R5	4	1	4,115,211:79:8	
962	97	246	22:13:13.333	117LL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,115,212:00:0	
963	**97**	**246**	**22:13:17.399**	**C9JNSOU15601-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
964	**97**	**246**	**22:14:08.066**	**C9JNNOR15601-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
965	97	246	22:14:13.333	165LM4A	7SCAN	NORM,164.026999,	Check S/P Position	2R5	4	1	4,115,212:90:0	
966	97	246	22:18:05.333		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2269.27 +/-	2R5	4	1	4,115,216:74:0	
967	97	246	22:18:05.333	175LM422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,115,216:74:0	
968	97	246	22:18:07.333	117LM	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,115,216:77:0	
969	97	246	22:18:12.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2269.27 +/-	2R5	4	1	4,115,216:84:0	
970	97	246	22:18:13.333	175LM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,115,216:86:0	
971	97	246	22:18:13.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2269.39 +/-	2R5	4	1	4,115,216:86:1	
972	97	246	22:18:13.400		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2269.39 +/-	2R5	4	1	4,115,216:86:1	
973	97	246	22:18:16.666	117LM105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,115,217:00:0	
974	**97**	**246**	**22:18:16.666**	**C9JNNOR15601-**	**NIMPBK**	**301KI**	**JUPITER NORTHERN HEMISPHERE 156**	**2R5**	**4**	**1**	**: :**	
975	**97**	**246**	**22:19:06.666**	**C9JNNOR15601-**	**DESELC**	**300KI**	**JUPITER NORTHERN HEMISPHERE 156**	**2R5**	**4**	**1**	**: :**	
976	97	246	22:19:08.666	175LM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,115,217:78:0	
977	97	246	22:19:08.666	175LM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,115,217:78:0	
978	97	246	22:19:08.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2282.34 +/-	2R5	4	1	4,115,217:78:0	
979	97	246	22:19:09.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2282.40 +/-	2R5	4	1	4,115,217:79:8	
980	97	246	22:19:17.333	117LM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,115,218:00:0	
981	**97**	**246**	**22:19:21.399**	**C9JNNOR15601-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
982	97	246	22:20:17.333	165KV4A	7SCAN	NORM,164.172998,	Check S/P Position	2R5	4	1	4,115,218:90:0	
983	97	246	22:24:13.333	175KN422A6A	6DMSC	R115,3	DMS Control	2R5	4	1	4,115,222:80:0	
984	97	246	22:24:13.333		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2282.40 +/-	2R5	4	1	4,115,222:80:0	
985	97	246	22:24:14.666	118KV	**SMOS**	GS		2R5	4	1	4,115,222:82:0	
986	97	246	22:24:20.000		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2282.40 +/-	2R5	4	1	4,115,222:90:0	
987	97	246	22:24:23.333	175KN176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R5	4	1	4,115,223:04:0	
988	97	246	22:24:24.000		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2288.70 +/-	2R5	4	1	4,115,223:05:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	97	246	22:24:24.000		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2288.70 +/-	2R5	4	1	4,115,223:05:0	
990	97	246	22:24:24.666	118KV110A111A4A	7STRP	-0.004,-0.00325,	Slew =,2.01	2R5	4	1	4,115,223:06:0	
991	97	246	22:24:55.333	118KV110A111A4B	7STRP	0.004,0.00325,0,	Slew =,3.01	2R5	4	1	4,115,223:52:0	
992	97	246	22:25:26.000	118KV110A111A4C	7STRP	-0.004,-0.00325,	Slew =,2.01	2R5	4	1	4,115,224:07:0	
993	97	246	22:25:56.666	118KV11A	**SMOS**	GE		2R5	4	1	4,115,224:53:0	
994	97	246	22:26:04.666	116KW4A	7STRP	-0.002,-0.00725,	Slew =,3.01	2R5	4	1	4,115,224:65:0	
995	97	246	22:26:22.000	175KN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,115,225:00:0	
996	97	246	22:26:22.000		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2703.54 +/-	2R5	4	1	4,115,225:00:0	
997	97	246	22:26:23.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2704.54 +/-	2R5	4	1	4,115,225:01:8	
998	97	246	22:31:18.000	175KO422A6A	6DMSC	R115,3	DMS Control	2R5	4	1	4,115,229:80:0	
999	97	246	22:31:18.000		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2704.54 +/-	2R5	4	1	4,115,229:80:0	
1000	97	246	22:31:24.666		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2704.54 +/-	2R5	4	1	4,115,229:90:0	
1001	97	246	22:31:28.000	175KO176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R5	4	1	4,115,230:04:0	
1002	97	246	22:31:28.666		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2710.84 +/-	2R5	4	1	4,115,230:05:0	
1003	97	246	22:31:28.666		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2710.84 +/-	2R5	4	1	4,115,230:05:0	
1004	97	246	22:33:09.333	116KX4A	7STRP	0.00225,-0.00325	Slew =,3.01	2R5	4	1	4,115,231:65:0	
1005	97	246	22:33:26.666		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3125.69 +/-	2R5	4	1	4,115,232:00:0	
1006	97	246	22:33:26.666	175KO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,115,232:00:0	
1007	97	246	22:33:27.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3126.69 +/-	2R5	4	1	4,115,232:01:8	
1008	**97**	**246**	**22:36:27.333**	**432SE6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**2R5**	**4**	**1**	**4,115,234:89:0**	
1009	97	246	22:38:22.666		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3126.69 +/-	2R5	4	1	4,115,236:80:0	
1010	97	246	22:38:22.666	175KP422A6A	6DMSC	R115,3	DMS Control	2R5	4	1	4,115,236:80:0	
1011	97	246	22:38:24.000	118KX	**SMOS**	GS		2R5	4	1	4,115,236:82:0	
1012	97	246	22:38:29.333		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3126.69 +/-	2R5	4	1	4,115,236:90:0	
1013	97	246	22:38:32.666	175KP176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R5	4	1	4,115,237:04:0	
1014	97	246	22:38:33.333		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3132.99 +/-	2R5	4	1	4,115,237:05:0	
1015	97	246	22:38:33.333		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3132.99 +/-	2R5	4	1	4,115,237:05:0	
1016	97	246	22:38:34.000	118KX110A111A4A	7STRP	0.004,-0.00325,9	Slew =,2.01	2R5	4	1	4,115,237:06:0	
1017	97	246	22:39:04.666	118KX110A111A4B	7STRP	-0.004,0.00325,0	Slew =0,5.0	2R5	4	1	4,115,237:52:0	
1018	97	246	22:39:35.333	118KX110A111A4C	7STRP	0.004,-0.00325,9	Slew =,2.01	2R5	4	1	4,115,238:07:0	
1019	97	246	22:40:06.000	118KX11A	**SMOS**	GE		2R5	4	1	4,115,238:53:0	
1020	97	246	22:40:30.666	165AA4A	7SCAN	NORM,163.988998,	Check S/P Position	2R5	4	1	4,115,238:90:0	
1021	97	246	22:40:31.333	175KP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,115,239:00:0	
1022	97	246	22:40:31.333		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3547.83 +/-	2R5	4	1	4,115,239:00:0	
1023	97	246	22:40:32.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3548.83 +/-	2R5	4	1	4,115,239:01:8	
1024	97	246	22:44:33.333	165AB4A	7SCAN	NORM,163.837,7.1	Check S/P Position	2R5	4	1	4,115,242:90:0	
1025	97	246	22:48:36.000	165AC4A	7SCAN	NORM,163.639999,	Check S/P Position	2R5	4	1	4,115,246:90:0	
1026	97	246	22:52:38.666	165AD4A	7SCAN	NORM,163.636999,	Check S/P Position	2R5	4	1	4,115,250:90:0	
1027	97	246	22:56:41.333	165AE4A	7SCAN	NORM,163.681,6.5	Check S/P Position	2R5	4	1	4,115,254:90:0	
1028	**97**	**246**	**22:59:48.066**	**C9RNMRING_01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1029	97	246	23:00:44.000	165DZ4A	7SCAN	NORM,164.747999,	Check S/P Position	2R5	4	1	4,115,258:90:0	
1030	97	246	23:02:41.333	125DZ11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	4,115,260:84:0	
1031	97	246	23:02:41.333	125DZ	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	4,115,260:84:0	
1032	**97**	**246**	**23:02:41.333**	**125DZ4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**4,115,260:84:0**	
1033	97	246	23:03:42.000	127DZ	NIMSTAB	GS	%%%%% GROUP START TAB	4R5	4	1	4,115,261:84:0	
1034	**97**	**246**	**23:03:42.000**	**127DZ4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**4R1**	**4**	**0**	**4,115,261:84:0**	
1035	**97**	**246**	**23:03:42.666**	**127DZ4B**	**37ETB**		**Loads wavelength edit table**	**4R1**	**4**	**0**	**4,115,261:85:0**	
1036	97	246	23:03:50.666	127DZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R1	4	0	4,115,262:06:0	
1037	97	246	23:04:36.000	175DZ422A6A	6DMSC	R7,3	DMS Control	4R1	4	0	4,115,262:74:0	
1038	97	246	23:04:36.000		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3548.83 +/-	4R1	4	0	4,115,262:74:0	
1039	97	246	23:04:42.666		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3548.83 +/-	4R1	4	0	4,115,262:84:0	
1040	97	246	23:04:44.000	175DZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R1	4	0	4,115,262:86:0	
1041	97	246	23:04:44.066		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3548.95 +/-	4R1	4	0	4,115,262:86:1	
1042	97	246	23:04:44.066		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3548.95 +/-	4R1	4	0	4,115,262:86:1	
1043	**97**	**246**	**23:04:47.333**	**C9RNMRING_01-**	**NIMPBK**	**301KJ**	**SIT AND STARE RING OBSERVATION**	**4R1**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	**97**	**246**	**23:08:47.333**	**C9RNMRING_01-**	**DESELC**	**300KJ**	**SIT AND STARE RING OBSERVATION**	**4R1**	**4**	**0**	**: :**	
1045	97	246	23:08:49.333	175DZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R1	4	0	4,115,266:90:0	
1046	97	246	23:08:49.333	175DZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	4,115,266:90:0	
1047	97	246	23:08:49.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3606.43 +/-	4R1	4	0	4,115,266:90:0	
1048	97	246	23:08:50.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3606.49 +/-	4R1	4	0	4,115,267:00:8	
1049	**97**	**246**	**23:08:54.066**	**C9RNMRING_01-**		**-----STOP-------**		**4R1**	**4**	**0**	**: :**	
1050	**97**	**246**	**23:32:05.333**	**432SF6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4R1**	**4**	**0**	**4,115,290:00:0**	
1051	**97**	**246**	**23:35:11.399**	**C9JNFEA15601-**		**-----START------**		**4R1**	**4**	**0**	**: :**	
1052	97	246	23:36:07.333	165LO4A	7SCAN	NORM,163.862999,	Check S/P Position	4R1	4	0	4,115,293:90:0	
1053	97	246	23:38:04.666	125LO11A	NIMSINIT	GE	##### GROUP END INIT	4R1	4	0	4,115,295:84:0	
1054	97	246	23:38:04.666	125LO	NIMSINIT	GS	##### GROUP START INIT	4R1	4	0	4,115,295:84:0	
1055	**97**	**246**	**23:38:04.666**	**125LO4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R1**	**4**	**0**	**4,115,295:84:0**	
1056	**97**	**246**	**23:39:05.333**	**127LO4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,115,296:84:0**	
1057	97	246	23:39:05.333	127LO	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,115,296:84:0	
1058	**97**	**246**	**23:39:06.000**	**127LO4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,115,296:85:0**	
1059	97	246	23:39:14.000	127LO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,115,297:06:0	
1060	97	246	23:39:59.333	175LO422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,115,297:74:0	
1061	97	246	23:39:59.333		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3606.49 +/-	2R5	4	1	4,115,297:74:0	
1062	97	246	23:40:01.333	117LO	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,115,297:77:0	
1063	97	246	23:40:06.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3606.49 +/-	2R5	4	1	4,115,297:84:0	
1064	97	246	23:40:07.333	175LO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,115,297:86:0	
1065	97	246	23:40:07.400		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3606.61 +/-	2R5	4	1	4,115,297:86:1	
1066	97	246	23:40:07.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3606.61 +/-	2R5	4	1	4,115,297:86:1	
1067	**97**	**246**	**23:40:10.666**	**C9JNFEA15601-**	**NIMPBK**	**301KK**	**JUPITER FEATURE 156 DEGREES PHAS**	**2R5**	**4**	**1**	**: :**	
1068	97	246	23:40:10.666	117LO105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,115,298:00:0	
1069	**97**	**246**	**23:41:00.666**	**C9JNFEA15601-**	**DESELC**	**300KK**	**JUPITER FEATURE 156 DEGREES PHAS**	**2R5**	**4**	**1**	**: :**	
1070	97	246	23:41:02.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3619.57 +/-	2R5	4	1	4,115,298:78:0	
1071	97	246	23:41:02.666	175LO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,115,298:78:0	
1072	97	246	23:41:02.666	175LO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,115,298:78:0	
1073	97	246	23:41:03.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3619.63 +/-	2R5	4	1	4,115,298:79:8	
1074	97	246	23:41:11.333	117LO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,115,299:00:0	
1075	**97**	**246**	**23:41:15.399**	**C9JNFEA15601-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1076	**97**	**246**	**23:41:56.066**	**C9NNCHOPOF04-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1077	**97**	**246**	**23:42:07.333**	**127FY4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**2R0**	**4**	**0**	**4,115,299:84:0**	
1078	97	246	23:42:07.333	127FY	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	4,115,299:84:0	
1079	**97**	**246**	**23:42:08.000**	**127FY4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**2R0**	**4**	**0**	**4,115,299:85:0**	
1080	97	246	23:42:16.000	127FY11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R0	4	0	4,115,300:06:0	
1081	97	246	23:45:00.000	41SW99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	2R0	4	0	4,115,302:70:0	
1082	**97**	**246**	**23:45:09.333**	**125FY4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**4,115,302:84:0**	
1083	97	246	23:45:09.333	125FY	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,115,302:84:0	
1084	**97**	**246**	**23:46:10.000**	**125FY4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**4,115,303:84:0**	
1085	**97**	**246**	**23:46:54.000**	**41SW3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**260**	**4**	**0**	**4,115,304:59:0**	
1086	**97**	**246**	**23:47:04.000**	**41SW3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**260**	**4**	**0**	**4,115,304:74:0**	
1087	**97**	**246**	**23:47:10.666**	**125FY4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**2O0**	**4**	**0**	**4,115,304:84:0**	
1088	97	246	23:47:10.666	125FY11A	NIMSINIT	GE	##### GROUP END INIT	2O0	4	0	4,115,304:84:0	
1089	**97**	**246**	**23:47:14.000**	**41SW3I**	**40T2**	**1**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**4,115,304:89:0**	
1090	**97**	**246**	**23:47:24.000**	**41SW3J**	**40T2**	**2**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**4,115,305:13:0**	
1091	**97**	**246**	**23:52:22.733**	**C9NNCHOPOF04-**		**-----STOP-------**		**2O0**	**4**	**0**	**: :**	
1092	97	246	23:55:02.000	490UC412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	2O0	4	0	4,115,312:63:0	
1093	97	247	00:00:00.000	490UC412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	4,115,317:55:0	
1094	97	247	00:04:10.000	490UC412A4E	7VECT	RTH	Inert vect update UTC	2O0	4	0	4,115,321:66:0	
1095	97	247	00:04:14.000	490UC412A4F	7TURN	2,RTH	ALERT Thruster	2O0	4	0	4,115,321:72:0	
1096	97	247	00:08:02.000	490UC412A406A4A	7STAR	1,3000,95.710999	Star catalog update	2O0	4	0	4,115,325:50:0	
1097	97	247	00:08:04.000	490UC412A406A4B	7STAR	2,111,257.16	Star catalog update	2O0	4	0	4,115,325:53:0	
1098	97	247	00:08:06.000	490UC412A406A4C	7STAR	3,138,199.44	Star catalog update	2O0	4	0	4,115,325:56:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	97	247	00:08:08.000	490UC412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	2O0	4	0	4,115,325	59:0
1100	97	247	00:08:10.000	490UC412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	2O0	4	0	4,115,325	62:0
1101	97	247	00:08:12.000	490UC412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2O0	4	0	4,115,325	65:0
1102	97	247	00:40:40.000	488DR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,115,357	75:0
1103	97	247	01:14:10.666	488DR6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,115,390	88:0
1104	97	247	01:29:12.666	490UC412A4J	**7MODE**	**CRU**	**AACS CRUISE MODE**	2O0	4	0	4,115,405	76:0
1105	97	247	01:41:59.333	432OH431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	4,115,418	43:0
1106	97	247	01:42:00.000	432OH6A	6RTSL1		R/T Select of DDS and	2O0	4	0	4,115,418	44:0
1107	97	247	01:46:10.666	488DR6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,115,422	56:0
1108	97	247	01:55:04.000	20UN4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	2O0	4	0	4,115,431	37:0
1109	97	247	01:55:54.000	20UN4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,115,432	21:0
1110	97	247	01:57:41.333	176SV6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	4,115,434	00:0
1111	97	247	04:51:46.666	488DS6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,115,606	16:0
1112	97	247	05:59:44.666	488DS6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,115,673	36:0
1113	97	247	06:02:10.666	488DS6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,115,675	73:0
1114	97	247	06:03:50.666	488DS6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,115,677	41:0
1115	97	247	16:03:46.600	488DT6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,116,270	72:0
1116	97	247	17:14:10.600	488DT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,116,340	38:0
1117	97	247	17:37:38.600	488DT6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,116,363	57:0
1118	97	247	17:42:42.600	488DT6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,116,368	58:0
1119	97	247	17:44:02.600	488DT6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,116,369	87:0
1120	97	247	17:52:34.600	488DU6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,116,378	36:0
1121	97	247	17:58:44.600	488DU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,116,384	45:0
1122	97	247	18:35:14.600	488DU6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,116,420	54:0
1123	97	247	23:57:11.266	176BS6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	4,116,739	00:0
1124	97	248	00:00:12.600	165BU4A	7SCAN	NORM,312.362,-20	Check S/P Position	2O0	4	0	4,116,741	90:0
1125	97	248	00:04:17.266	20UE4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	2O0	4	0	4,116,746	02:0
1126	97	248	00:05:07.266	20UE4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,116,746	77:0
1127	97	248	00:06:17.266	176BT6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	4,116,748	00:0
1128	97	248	01:07:46.600	488DV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,116,808	74:0
1129	97	248	02:11:46.600	488DV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,116,872	10:0
1130	97	248	02:20:39.933	488DV6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,116,880	82:0
1131	97	248	02:47:29.266	488DV6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,116,907	39:0
1132	97	248	05:47:41.266	488DV6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,117,085	59:0
1133	97	248	05:51:30.600	488DW6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,117,089	39:0
1134	97	248	05:53:10.600	488DW6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,117,091	07:0
1135	97	248	10:32:45.266	488DW6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,117,367	53:0
1136	97	248	10:56:09.933	488DW6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,117,390	67:0
1137	97	248	15:57:22.600	488DX6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,117,688	58:0
1138	97	248	17:07:46.600	488DX6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,117,758	24:0
1139	97	248	17:33:22.600	488DX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,117,783	53:0
1140	97	248	17:50:26.600	488DX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,117,800	42:0
1141	97	248	18:35:14.600	488DX6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,117,844	70:0
1142	97	249	00:52:50.533	488DY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,118,218	20:0
1143	97	249	01:26:58.533	488DY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,118,251	89:0
1144	97	249	05:43:25.200	488DY6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,118,505	55:0
1145	97	249	05:47:14.533	488DY6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,118,509	35:0
1146	97	249	05:48:54.533	488DY6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,118,511	03:0
1147	97	249	15:53:06.533	488DZ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,119,108	54:0
1148	97	249	17:03:30.533	488DZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,119,178	20:0
1149	97	249	17:29:06.533	488DZ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,119,203	49:0
1150	97	249	17:46:10.533	488DZ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,119,220	38:0
1151	97	249	18:30:58.533	488DZ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,119,264	66:0
1152	97	250	00:48:34.533	488EA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,119,638	16:0
1153	97	250	01:20:34.533	488EA6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,119,669	75:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	97	250	05:41:17.133	488EA6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,119,927	61:0
1155	97	250	05:45:06.466	488EA6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,119,931	41:0
1156	97	250	05:46:46.466	488EA6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,119,933	09:0
1157	97	250	15:42:26.466	488EB6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,120,522	20:0
1158	97	250	16:59:14.466	488EB6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,120,598	16:0
1159	97	250	17:29:06.466	488EB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,120,627	65:0
1160	97	250	17:46:10.466	488EB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,120,644	54:0
1161	97	250	18:26:42.466	488EB6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,120,684	62:0
1162	97	251	00:44:18.466	488EC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,121,058	12:0
1163	97	251	01:20:34.466	488EC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,121,094	00:0
1164	97	251	05:37:01.133	488EC6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,121,347	57:0
1165	97	251	05:40:50.466	488EC6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,121,351	37:0
1166	97	251	05:42:30.466	488EC6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,121,353	05:0
1167	97	251	06:22:57.800	488ED6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,121,393	06:0
1168	97	251	07:28:22.466	488ED6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,121,457	69:0
1169	97	251	14:22:59.733	488EE6A	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	2O0	4	0	4,121,867	75:0
1170	97	251	14:27:13.066	176SI6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	4,121,872	00:0
1171	97	251	14:31:59.733	20UX4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,121,876	66:0
1172	97	251	14:32:59.733	20UX4D	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	2O0	4	0	4,121,877	65:0
1173	97	251	14:34:59.733	20UX4E	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	4,121,879	63:0
1174	97	251	14:40:29.733	20UX4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	4,121,885	12:0
1175	97	251	14:40:30.400	20UX4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	4,121,885	13:0
1176	97	251	14:40:50.400	20UX4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	4,121,885	43:0
1177	97	251	14:40:51.066	20UX4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	4,121,885	44:0
1178	97	251	14:41:11.066	20UX4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	4,121,885	74:0
1179	97	251	14:41:11.733	20UX4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	4,121,885	75:0
1180	97	251	14:41:21.733	20UX4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	4,121,885	90:0
1181	97	251	14:41:22.400	20UX4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	4,121,886	00:0
1182	97	251	14:41:32.400	20UX4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	4,121,886	15:0
1183	97	251	14:41:33.066	20UX4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	4,121,886	16:0
1184	97	251	14:43:19.733	20UX4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	4,121,887	85:0
1185	97	251	14:43:20.400	20UX4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	4,121,887	86:0
1186	97	251	14:43:40.400	20UX4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	4,121,888	25:0
1187	97	251	14:43:41.066	20UX4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	4,121,888	26:0
1188	97	251	14:44:01.066	20UX4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	4,121,888	56:0
1189	97	251	14:44:01.733	20UX4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	4,121,888	57:0
1190	97	251	14:44:11.733	20UX4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	4,121,888	72:0
1191	97	251	14:44:12.400	20UX4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	4,121,888	73:0
1192	97	251	14:44:22.400	20UX4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	4,121,888	88:0
1193	97	251	14:44:23.066	20UX4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	4,121,888	89:0
1194	97	251	14:45:19.733	20UX4Z	**7MODE**	**CRU**	**AACS CRUISE MODE**	2O0	4	0	4,121,889	83:0
1195	97	251	15:04:59.066	432PL431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	4,121,909	32:0
1196	97	251	15:04:59.733	432PL6A	6RTSL1		R/T Select of DDS and	2O0	4	0	4,121,909	33:0
1197	97	251	15:11:03.733	20UO4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	2O0	4	0	4,121,915	33:0
1198	97	251	15:11:53.733	20UO4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,121,916	17:0
1199	97	251	15:13:43.733	176SW6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	4,121,918	00:0
1200	97	251	15:38:10.400	488EE6B	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	2O0	4	0	4,121,942	16:0
1201	97	251	16:30:59.733	488EE6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,121,994	38:0
1202	97	251	16:52:50.400	488EE6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,122,016	02:0
1203	97	251	17:14:10.400	488EE6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,122,037	11:0
1204	97	251	17:56:50.400	488EF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,122,079	29:0
1205	97	251	18:49:26.400	488EF6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,122,131	31:0
1206	97	251	19:18:32.400	488EF6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,122,160	11:0
1207	97	251	20:00:34.400	488EF6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,122,201	63:0
1208	97	251	23:08:18.400	488EF6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,122,387	33:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	97	252	01:16:18.400	488EG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,122,513:87:0	
1210	97	252	02:05:49.733	488EG6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,122,562:85:0	
1211	97	252	02:32:39.066	488EG6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,122,589:42:0	
1212	97	252	05:32:45.066	488EG6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,122,767:53:0	
1213	97	252	05:36:34.400	488EG6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,122,771:33:0	
1214	97	252	05:38:14.400	488EH6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,122,773:01:0	
1215	97	252	15:33:54.333	488EI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,123,362:12:0	
1216	97	252	16:48:34.333	488EI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,123,435:89:0	
1217	97	252	17:18:26.333	488EI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,123,465:47:0	
1218	97	252	17:35:30.333	488EI6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,123,482:36:0	
1219	97	252	18:20:18.333	488EI6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,123,526:64:0	
1220	97	253	00:37:54.333	488EJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,123,900:14:0	
1221	97	253	02:00:41.666	488EJ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,123,982:03:0	
1222	97	253	02:01:06.333	488EJ6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,123,982:40:0	
1223	97	253	02:27:42.333	488EJ6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,124,008:68:0	
1224	97	253	05:22:05.000	488EJ6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,124,181:19:0	
1225	97	253	05:25:54.333	488EK6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,124,184:90:0	
1226	97	253	05:27:34.333	488EK6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,124,186:58:0	
1227	97	253	05:29:57.666	176KG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	4,124,189:00:0	
1228	97	253	07:09:03.000	465LB6A	6DMST	3840	DMS Slew to TIC	2O0	4	0	4,124,287:00:0	
1229	97	253	07:09:03.000		DMS:	: *SLEW-TIC	P7, TRACK *1, FWD, TIC 3619.63 +/-	2O0	4	0	4,124,287:00:0	
1230	97	253	07:09:03.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3619.63 +/-	2O0	4	0	4,124,287:00:0	
1231	97	253	07:09:09.666		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 3619.63 +/-	2O0	4	0	4,124,287:10:0	
1232	97	253	07:09:11.066		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *3619.75 +/-	2O0	4	0	4,124,287:12:1	
1233	97	253	07:24:41.133		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *3837.94 +/-	2O0	4	0	4,124,302:42:2	
1234	97	253	07:24:42.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3838.00 +/-	2O0	4	0	4,124,302:44:0	
1235	97	253	08:27:58.333	488EK6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,124,365:05:0	
1236	97	253	08:51:23.000	488EK6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,124,388:19:0	
1237	97	253	09:50:02.333	490UD412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	2O0	4	0	4,124,446:20:0	
1238	97	253	09:50:26.333	488EK6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,124,446:56:0	
1239	97	253	09:55:00.333	490UD412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	4,124,451:12:0	
1240	97	253	09:59:10.333	490UD412A4E	7VECT	RTH	Inert vect update UTC	2O0	4	0	4,124,455:23:0	
1241	97	253	09:59:14.333	490UD412A4F	7TURN	2,RTH	ALERT Thruster	2O0	4	0	4,124,455:29:0	
1242	97	253	10:03:02.333	490UD412A406A4A	7STAR	1,3000,95.710999	Star catalog update	2O0	4	0	4,124,459:07:0	
1243	97	253	10:03:04.333	490UD412A406A4B	7STAR	2,112,10.273,-18	Star catalog update	2O0	4	0	4,124,459:10:0	
1244	97	253	10:03:06.333	490UD412A406A4C	7STAR	3,131,322.01	Star catalog update	2O0	4	0	4,124,459:13:0	
1245	97	253	10:03:08.333	490UD412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	2O0	4	0	4,124,459:16:0	
1246	97	253	10:03:10.333	490UD412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	2O0	4	0	4,124,459:19:0	
1247	97	253	10:03:12.333	490UD412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2O0	4	0	4,124,459:22:0	
1248	**97**	**253**	**11:45:08.999**	**C9NNCHOPON05-**		**-----START------**		**2O0**	**4**	**0**	**: :**	
1249	97	253	11:48:02.333	125FA	NIMSINIT	GS	##### GROUP START INIT	2O0	4	0	4,124,562:84:0	
1250	**97**	**253**	**11:48:02.333**	**125FA4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**4,124,562:84:0**	
1251	**97**	**253**	**11:49:03.000**	**125FA4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,124,563:84:0**	
1252	**97**	**253**	**11:50:03.666**	**125FA4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**4,124,564:84:0**	
1253	97	253	11:50:03.666	125FA11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,124,564:84:0	
1254	97	253	11:53:59.666	432OO431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R0	4	0	4,124,568:74:0	
1255	97	253	11:54:00.333	432OO6A	6RTSL1		R/T Select of DDS and	2R0	4	0	4,124,568:75:0	
1256	**97**	**253**	**11:55:15.666**	**C9NNCHOPON05-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
1257	97	253	12:04:17.666		DMS:	: READY	RDY, TRACK *3, FWD, TIC 3838.00 +/-	2R0	4	0	4,124,579:00:0	
1258	97	253	12:04:17.666	465LC6A	6DMSC	RDY,3	DMS Control Tape stop	2R0	4	0	4,124,579:00:0	
1259	**97**	**253**	**12:04:21.666**	**C9NNOPCAL_01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
1260	97	253	12:05:00.333	41SM99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	2R0	4	0	4,124,579:64:0	
1261	**97**	**253**	**12:05:04.333**	**41SM3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**2R0**	**4**	**0**	**4,124,579:70:0**	
1262	**97**	**253**	**12:05:14.333**	**41SM3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**2R0**	**4**	**0**	**4,124,579:85:0**	
1263	**97**	**253**	**12:05:24.333**	**41SM3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**2R0**	**4**	**0**	**4,124,580:09:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	**97**	**253**	**12:05:34.333**	**41SM3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**2R0**	**4**	**0**	**4,124,580**	**:24:0**
1265	**97**	**253**	**12:09:16.333**	**125DA4A**	**37IST**	**0,0,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,124,583**	**:84:0**
1266	97	253	12:09:16.333	125DA	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,124,583	:84:0
1267	97	253	12:10:17.000	125DA11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,124,584	:84:0
1268	**97**	**253**	**12:10:17.000**	**125DA4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**4,124,584**	**:84:0**
1269	**97**	**253**	**12:13:19.000**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,124,587**	**:84:0**
1270	97	253	12:13:19.000	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,124,587	:84:0
1271	**97**	**253**	**12:13:19.666**	**127DA4B**	**37ETB**	**07,C7,31,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,124,587**	**:85:0**
1272	97	253	12:13:27.666	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,124,588	:06:0
1273	**97**	**253**	**12:14:44.333**	**432DA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,124,589**	**:30:0**
1274	**97**	**253**	**12:15:20.333**	**125DI4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**4,124,589**	**:84:0**
1275	97	253	12:15:20.333	125DI11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,124,589	:84:0
1276	97	253	12:15:20.333	125DI	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,124,589	:84:0
1277	97	253	12:17:21.666	125DJ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,124,591	:84:0
1278	**97**	**253**	**12:17:21.666**	**125DJ4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**4,124,591**	**:84:0**
1279	97	253	12:17:21.666	125DJ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,124,591	:84:0
1280	**97**	**253**	**12:17:45.000**	**432DI6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,124,592**	**:28:0**
1281	97	253	12:18:22.333	125EU11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,124,592	:84:0
1282	97	253	12:18:22.333	125EU	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,124,592	:84:0
1283	**97**	**253**	**12:18:22.333**	**125EU4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,124,592**	**:84:0**
1284	97	253	12:19:27.000	165KY4A	7SCAN	NORM,174.845999,	Check S/P Position	4R3	4	0	4,124,593	:90:0
1285	97	253	12:23:23.000	175KQ422A6A	6DMSC	R115,3	DMS Control	4R3	4	0	4,124,597	:80:0
1286	97	253	12:23:23.000		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3838.00 +/-	4R3	4	0	4,124,597	:80:0
1287	97	253	12:23:24.333	118KY	**SMOS**	GS		4R3	4	0	4,124,597	:82:0
1288	97	253	12:23:29.666		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3838.00 +/-	4R3	4	0	4,124,597	:90:0
1289	97	253	12:23:33.000	175KQ176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	4,124,598	:04:0
1290	97	253	12:23:33.666		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3844.30 +/-	4R3	4	0	4,124,598	:05:0
1291	97	253	12:23:33.666		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3844.30 +/-	4R3	4	0	4,124,598	:05:0
1292	97	253	12:23:34.333	118KY110A111A4A	7STRP	-0.00415,-0.0033	Slew =,2.01	4R3	4	0	4,124,598	:06:0
1293	97	253	12:24:35.666	118KY110A111A4B	7STRP	0.0084,0.0066,0,	Slew =,3.01	4R3	4	0	4,124,599	:07:0
1294	97	253	12:25:06.333	118KY110A111A4C	7STRP	-0.00415,-0.0033	Slew =,2.01	4R3	4	0	4,124,599	:53:0
1295	97	253	12:26:07.666	118KY11A	**SMOS**	GE		4R3	4	0	4,124,600	:54:0
1296	97	253	12:26:15.000	116KZ4A	7STRP	-0.0015,-0.006,0	Slew =,3.01	4R3	4	0	4,124,600	:65:0
1297	97	253	12:26:32.333		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4472.42 +/-	4R3	4	0	4,124,601	:00:0
1298	97	253	12:26:32.333	175KQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,124,601	:00:0
1299	97	253	12:26:33.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4473.42 +/-	4R3	4	0	4,124,601	:01:8
1300	97	253	12:27:25.666	175KR422A6A	6DMSC	R115,3	DMS Control	4R3	4	0	4,124,601	:80:0
1301	97	253	12:27:25.666		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4473.42 +/-	4R3	4	0	4,124,601	:80:0
1302	97	253	12:27:27.000	118KZ	**SMOS**	GS		4R3	4	0	4,124,601	:82:0
1303	97	253	12:27:32.333		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4473.42 +/-	4R3	4	0	4,124,601	:90:0
1304	97	253	12:27:35.666	175KR176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	4,124,602	:04:0
1305	97	253	12:27:36.333		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4479.72 +/-	4R3	4	0	4,124,602	:05:0
1306	97	253	12:27:36.333		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4479.72 +/-	4R3	4	0	4,124,602	:05:0
1307	**97**	**253**	**12:27:36.999**	**C9NNOPCAL_01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1308	97	253	12:27:37.000	118KZ110A111A4A	7STRP	0.0,-0.0055,92,0	Slew =,3.01	4R3	4	0	4,124,602	:06:0
1309	97	253	12:28:07.666	118KZ110A111A4B	7STRP	0.0,0.0055,0,0,0	Slew =0,5.0	4R3	4	0	4,124,602	:52:0
1310	97	253	12:28:38.333	118KZ110A111A4C	7STRP	0.0,-0.0055,92,0	Slew =,3.01	4R3	4	0	4,124,603	:07:0
1311	97	253	12:29:09.000	118KZ110A111A4D	7STRP	0.0,0.0055,0,0,0	Slew =0,5.0	4R3	4	0	4,124,603	:53:0
1312	97	253	12:29:39.666	118KZ110A111A4E	7STRP	0.0,-0.0055,92,0	Slew =,3.01	4R3	4	0	4,124,604	:08:0
1313	97	253	12:30:10.333	118KZ11A	**SMOS**	GE		4R3	4	0	4,124,604	:54:0
1314	97	253	12:30:17.666	116LA4A	7STRP	0.0015,-0.002,0,	Slew =,3.01	4R3	4	0	4,124,604	:65:0
1315	97	253	12:30:35.000		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5107.85 +/-	4R3	4	0	4,124,605	:00:0
1316	97	253	12:30:35.000	175KR422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,124,605	:00:0
1317	97	253	12:30:36.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5108.85 +/-	4R3	4	0	4,124,605	:01:8
1318	97	253	12:31:28.333	175KS422A6A	6DMSC	R115,3	DMS Control	4R3	4	0	4,124,605	:80:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	97	253	12:31:28.333		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5108.85 +/-	4R3	4	0	4,124,605	80:0
1320	97	253	12:31:29.666	118LA	**SMOS**	GS		4R3	4	0	4,124,605	82:0
1321	97	253	12:31:35.000		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5108.85 +/-	4R3	4	0	4,124,605	90:0
1322	97	253	12:31:38.333	175KS176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	4,124,606	04:0
1323	97	253	12:31:39.000		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5115.15 +/-	4R3	4	0	4,124,606	05:0
1324	97	253	12:31:39.000		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5115.15 +/-	4R3	4	0	4,124,606	05:0
1325	97	253	12:31:39.666	118LA110A111A4A	7STRP	0.004,-0.00325,9	Slew =,2.01	4R3	4	0	4,124,606	06:0
1326	97	253	12:32:41.000	118LA110A111A4B	7STRP	-0.008,0.0065,0,	Slew =0,5.0	4R3	4	0	4,124,607	07:0
1327	97	253	12:33:11.666	118LA110A111A4C	7STRP	0.004,-0.00325,9	Slew =,2.01	4R3	4	0	4,124,607	53:0
1328	97	253	12:34:13.000	118LA11A	**SMOS**	GE		4R3	4	0	4,124,608	54:0
1329	97	253	12:34:37.000	165AF4A	7SCAN	NORM,174.450998,	Check S/P Position	4R3	4	0	4,124,608	90:0
1330	97	253	12:34:37.666	175KS422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,124,609	00:0
1331	97	253	12:34:37.666		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5743.27 +/-	4R3	4	0	4,124,609	00:0
1332	97	253	12:34:38.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5744.27 +/-	4R3	4	0	4,124,609	01:8
1333	97	253	12:38:39.666	165AG4A	7SCAN	NORM,174.296,2.4	Check S/P Position	4R3	4	0	4,124,612	90:0
1334	97	253	12:42:42.333	165AH4A	7SCAN	NORM,174.063,2.1	Check S/P Position	4R3	4	0	4,124,616	90:0
1335	97	253	12:46:45.000	165AI4A	7SCAN	NORM,174.011999,	Check S/P Position	4R3	4	0	4,124,620	90:0
1336	97	253	12:50:47.666	165AJ4A	7SCAN	NORM,174.026999,	Check S/P Position	4R3	4	0	4,124,624	90:0
1337	**97**	**253**	**12:53:54.333**	**C9JNFEA14501-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1338	97	253	12:54:50.333	165LP4A	7SCAN	NORM,174.33,2.09	Check S/P Position	4R3	4	0	4,124,628	90:0
1339	**97**	**253**	**12:56:47.666**	**125LP4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**4,124,630**	**84:0**
1340	97	253	12:56:47.666	125LP11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,124,630	84:0
1341	97	253	12:56:47.666	125LP	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,124,630	84:0
1342	**97**	**253**	**12:57:48.333**	**127LP4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,124,631**	**84:0**
1343	97	253	12:57:48.333	127LP	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,124,631	84:0
1344	**97**	**253**	**12:57:49.000**	**127LP4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,124,631**	**85:0**
1345	97	253	12:57:57.000	127LP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,124,632	06:0
1346	97	253	12:58:42.333	175LP422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,124,632	74:0
1347	97	253	12:58:42.333		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5744.27 +/-	2R5	4	1	4,124,632	74:0
1348	97	253	12:58:44.333	117LP	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,124,632	77:0
1349	97	253	12:58:49.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5744.27 +/-	2R5	4	1	4,124,632	84:0
1350	97	253	12:58:50.333	175LP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,124,632	86:0
1351	97	253	12:58:50.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5744.39 +/-	2R5	4	1	4,124,632	86:1
1352	97	253	12:58:50.400		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5744.39 +/-	2R5	4	1	4,124,632	86:1
1353	97	253	12:58:53.666	117LP105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,124,633	00:0
1354	**97**	**253**	**12:58:53.666**	**C9JNFEA14501-**	**NIMPBK**	**301KL**	**JUPITER FEATURE 145 DEGREES PHAS**	**2R5**	**4**	**1**	**: :**	
1355	**97**	**253**	**12:59:43.666**	**C9JNFEA14501-**	**DESELC**	**300KL**	**JUPITER FEATURE 145 DEGREES PHAS**	**2R5**	**4**	**1**	**: :**	
1356	97	253	12:59:45.666	175LP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,124,633	78:0
1357	97	253	12:59:45.666	175LP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,124,633	78:0
1358	97	253	12:59:45.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5757.35 +/-	2R5	4	1	4,124,633	78:0
1359	97	253	12:59:46.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5757.41 +/-	2R5	4	1	4,124,633	79:8
1360	97	253	12:59:54.333	117LP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,124,634	00:0
1361	**97**	**253**	**12:59:58.333**	**C9JNFEA14501-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1362	**97**	**253**	**13:01:59.666**	**C9JNFEA14502-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1363	97	253	13:02:55.666	165LS4A	7SCAN	NORM,174.344999,	Check S/P Position	2R5	4	1	4,124,636	90:0
1364	97	253	13:06:47.666	175LS422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,124,640	74:0
1365	97	253	13:06:47.666		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5757.41 +/-	2R5	4	1	4,124,640	74:0
1366	97	253	13:06:49.666	117LS	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,124,640	77:0
1367	97	253	13:06:54.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5757.41 +/-	2R5	4	1	4,124,640	84:0
1368	97	253	13:06:55.666	175LS176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,124,640	86:0
1369	97	253	13:06:55.733		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5757.53 +/-	2R5	4	1	4,124,640	86:1
1370	97	253	13:06:55.733		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5757.53 +/-	2R5	4	1	4,124,640	86:1
1371	**97**	**253**	**13:06:59.000**	**C9JNFEA14502-**	**NIMPBK**	**301KM**	**JUPITER FEATURE 145 DEGREES PHAS**	**2R5**	**4**	**1**	**: :**	
1372	97	253	13:06:59.000	117LS105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,124,641	00:0
1373	**97**	**253**	**13:07:49.000**	**C9JNFEA14502-**	**DESELC**	**300KM**	**JUPITER FEATURE 145 DEGREES PHAS**	**2R5**	**4**	**1**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	97	253	13:07:51.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5770.48 +/-	2R5	4	1	4,124,641	:78:0
1375	97	253	13:07:51.000	175LS6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,124,641	:78:0
1376	97	253	13:07:51.000	175LS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,124,641	:78:0
1377	97	253	13:07:52.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5770.54 +/-	2R5	4	1	4,124,641	:79:8
1378	97	253	13:07:59.666	117LS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,124,642	:00:0
1379	**97**	**253**	**13:08:03.666**	**C9JNFEA14502-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1380	**97**	**253**	**13:09:04.333**	**C9JNGRS14501-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1381	97	253	13:10:00.333	165FB4A	7SCAN	NORM,174.188,1.7	Check S/P Position	2R5	4	1	4,124,643	:90:0
1382	97	253	13:13:52.333	175LZ422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,124,647	:74:0
1383	97	253	13:13:52.333		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5770.54 +/-	2R5	4	1	4,124,647	:74:0
1384	97	253	13:13:54.333	117FB	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,124,647	:77:0
1385	97	253	13:13:59.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5770.54 +/-	2R5	4	1	4,124,647	:84:0
1386	97	253	13:14:00.333	175LZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,124,647	:86:0
1387	97	253	13:14:00.400		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5770.66 +/-	2R5	4	1	4,124,647	:86:1
1388	97	253	13:14:00.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5770.66 +/-	2R5	4	1	4,124,647	:86:1
1389	97	253	13:14:03.666	117FB105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,124,648	:00:0
1390	**97**	**253**	**13:14:03.666**	**C9JNGRS14501-**	**NIMPBK**	**301KN**	**JUPITER GRS 145 DEGREE PHASE PRT**	**2R5**	**4**	**1**	**: :**	
1391	**97**	**253**	**13:14:53.666**	**C9JNGRS14501-**	**DESELC**	**300KN**	**JUPITER GRS 145 DEGREE PHASE PRT**	**2R5**	**4**	**1**	**: :**	
1392	97	253	13:14:55.666	175LZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,124,648	:78:0
1393	97	253	13:14:55.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5783.61 +/-	2R5	4	1	4,124,648	:78:0
1394	97	253	13:14:55.666	175LZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,124,648	:78:0
1395	97	253	13:14:56.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5783.67 +/-	2R5	4	1	4,124,648	:79:8
1396	97	253	13:15:04.333	117FB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,124,649	:00:0
1397	**97**	**253**	**13:15:08.333**	**C9JNGRS14501-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1398	**97**	**253**	**13:17:09.666**	**C9JNGRS14502-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1399	97	253	13:18:05.666	165LU4A	7SCAN	NORM,174.257999,	Check S/P Position	2R5	4	1	4,124,651	:90:0
1400	97	253	13:21:57.666		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5783.67 +/-	2R5	4	1	4,124,655	:74:0
1401	97	253	13:21:57.666	175LU422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,124,655	:74:0
1402	97	253	13:21:59.666	117LU	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,124,655	:77:0
1403	97	253	13:22:04.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5783.67 +/-	2R5	4	1	4,124,655	:84:0
1404	97	253	13:22:05.666	175LU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,124,655	:86:0
1405	97	253	13:22:05.733		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5783.79 +/-	2R5	4	1	4,124,655	:86:1
1406	97	253	13:22:05.733		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5783.79 +/-	2R5	4	1	4,124,655	:86:1
1407	97	253	13:22:09.000	117LU105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,124,656	:00:0
1408	**97**	**253**	**13:22:09.000**	**C9JNGRS14502-**	**NIMPBK**	**301KO**	**JUPITER GRS 145 DEGREES PHASE PR**	**2R5**	**4**	**1**	**: :**	
1409	**97**	**253**	**13:22:59.000**	**C9JNGRS14502-**	**DESELC**	**300KO**	**JUPITER GRS 145 DEGREES PHASE PR**	**2R5**	**4**	**1**	**: :**	
1410	97	253	13:23:01.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5796.75 +/-	2R5	4	1	4,124,656	:78:0
1411	97	253	13:23:01.000	175LU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,124,656	:78:0
1412	97	253	13:23:01.000	175LU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,124,656	:78:0
1413	97	253	13:23:02.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5796.81 +/-	2R5	4	1	4,124,656	:79:8
1414	97	253	13:23:09.666	117LU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,124,657	:00:0
1415	**97**	**253**	**13:23:13.666**	**C9JNGRS14502-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1416	**97**	**253**	**13:24:04.333**	**C9JNFEA14503-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1417	97	253	13:24:09.666	165MG4A	7SCAN	NORM,174.339998,	Check S/P Position	2R5	4	1	4,124,657	:90:0
1418	97	253	13:28:01.666	175LV422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,124,661	:74:0
1419	97	253	13:28:01.666		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5796.81 +/-	2R5	4	1	4,124,661	:74:0
1420	97	253	13:28:03.666	117MG	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,124,661	:77:0
1421	97	253	13:28:08.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5796.81 +/-	2R5	4	1	4,124,661	:84:0
1422	97	253	13:28:09.666	175LV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,124,661	:86:0
1423	97	253	13:28:09.733		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5796.93 +/-	2R5	4	1	4,124,661	:86:1
1424	97	253	13:28:09.733		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5796.93 +/-	2R5	4	1	4,124,661	:86:1
1425	97	253	13:28:13.000	117MG105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,124,662	:00:0
1426	**97**	**253**	**13:28:13.000**	**C9JNFEA14503-**	**NIMPBK**	**301KP**	**JUPITER FEATURE 145 DEGREES PHAS**	**2R5**	**4**	**1**	**: :**	
1427	**97**	**253**	**13:29:03.000**	**C9JNFEA14503-**	**DESELC**	**300KP**	**JUPITER FEATURE 145 DEGREES PHAS**	**2R5**	**4**	**1**	**: :**	
1428	97	253	13:29:05.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5809.88 +/-	2R5	4	1	4,124,662	:78:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	97	253	13:29:05.000	175LV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,124,662	78:0
1430	97	253	13:29:05.000	175LV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,124,662	78:0
1431	97	253	13:29:06.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5809.94 +/-	2R5	4	1	4,124,662	79:8
1432	97	253	13:29:13.666	117MG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,124,663	00:0
1433	**97**	**253**	**13:29:17.666**	**C9JNSOU14501-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1434	**97**	**253**	**13:29:17.666**	**C9JNFEA14503-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1435	97	253	13:30:13.666	165MH4A	7SCAN	NORM,174.214998,	Check S/P Position	2R5	4	1	4,124,663	90:0
1436	97	253	13:31:03.666		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5809.94 +/-	2R5	4	1	4,124,664	74:0
1437	97	253	13:31:03.666	175LT422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,124,664	74:0
1438	97	253	13:31:05.666	117MH	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,124,664	77:0
1439	97	253	13:31:10.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5809.94 +/-	2R5	4	1	4,124,664	84:0
1440	97	253	13:31:11.666	175LT176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,124,664	86:0
1441	97	253	13:31:11.733		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5810.06 +/-	2R5	4	1	4,124,664	86:1
1442	97	253	13:31:11.733		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5810.06 +/-	2R5	4	1	4,124,664	86:1
1443	**97**	**253**	**13:31:15.000**	**C9JNSOU14501-**	**NIMPBK**	**301KQ**	**JUPITER SOUTH HEMISPHERE 145 DEG**	**2R5**	**4**	**1**	**: :**	
1444	97	253	13:31:15.000	117MH105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,124,665	00:0
1445	**97**	**253**	**13:32:05.000**	**C9JNSOU14501-**	**DESELC**	**300KQ**	**JUPITER SOUTH HEMISPHERE 145 DEG**	**2R5**	**4**	**1**	**: :**	
1446	97	253	13:32:07.000	175LT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,124,665	78:0
1447	97	253	13:32:07.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5823.01 +/-	2R5	4	1	4,124,665	78:0
1448	97	253	13:32:07.000	175LT6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,124,665	78:0
1449	97	253	13:32:08.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5823.07 +/-	2R5	4	1	4,124,665	79:8
1450	97	253	13:32:15.666	117MH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,124,666	00:0
1451	**97**	**253**	**13:33:20.333**	**C9JNSOU14501-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1452	**97**	**253**	**13:33:20.333**	**C9JNNOR14501-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1453	97	253	13:33:24.333	165LZ4A	7SCAN	NORM,174.657999,	Check S/P Position	2R5	4	1	4,124,667	12:0
1454	97	253	13:36:07.000		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5823.07 +/-	2R5	4	1	4,124,669	74:0
1455	97	253	13:36:07.000	175LX422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,124,669	74:0
1456	97	253	13:36:09.000	117LZ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,124,669	77:0
1457	97	253	13:36:13.666		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5823.07 +/-	2R5	4	1	4,124,669	84:0
1458	97	253	13:36:15.000	175LX176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,124,669	86:0
1459	97	253	13:36:15.066		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5823.19 +/-	2R5	4	1	4,124,669	86:1
1460	97	253	13:36:15.066		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5823.19 +/-	2R5	4	1	4,124,669	86:1
1461	**97**	**253**	**13:36:18.333**	**C9JNNOR14501-**	**NIMPBK**	**301KR**	**JUPITER NORTH HEMISPHERE 145 DEG**	**2R5**	**4**	**1**	**: :**	
1462	97	253	13:36:18.333	117LZ105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,124,670	00:0
1463	**97**	**253**	**13:37:08.333**	**C9JNNOR14501-**	**DESELC**	**300KR**	**JUPITER NORTH HEMISPHERE 145 DEG**	**2R5**	**4**	**1**	**: :**	
1464	97	253	13:37:10.333	175LX6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,124,670	78:0
1465	97	253	13:37:10.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5836.15 +/-	2R5	4	1	4,124,670	78:0
1466	97	253	13:37:10.333	175LX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,124,670	78:0
1467	97	253	13:37:11.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5836.21 +/-	2R5	4	1	4,124,670	79:8
1468	97	253	13:37:19.000	117LZ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,124,671	00:0
1469	**97**	**253**	**13:38:23.666**	**C9JNNOR14501-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1470	**97**	**253**	**13:38:23.666**	**C9JNEQU14501-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1471	97	253	13:39:19.666	165MA4A	7SCAN	NORM,174.325998,	Check S/P Position	2R5	4	1	4,124,672	90:0
1472	97	253	13:42:11.000		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5836.21 +/-	2R5	4	1	4,124,675	74:0
1473	97	253	13:42:11.000	175LY422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,124,675	74:0
1474	97	253	13:42:13.000	117MA	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,124,675	77:0
1475	97	253	13:42:17.666		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5836.21 +/-	2R5	4	1	4,124,675	84:0
1476	97	253	13:42:19.000	175LY176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,124,675	86:0
1477	97	253	13:42:19.066		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5836.33 +/-	2R5	4	1	4,124,675	86:1
1478	97	253	13:42:19.066		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5836.33 +/-	2R5	4	1	4,124,675	86:1
1479	97	253	13:42:22.333	117MA105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,124,676	00:0
1480	**97**	**253**	**13:42:22.333**	**C9JNEQU14501-**	**NIMPBK**	**301KS**	**JUPITER EQUATORIAL 145 DEGREES P**	**2R5**	**4**	**1**	**: :**	
1481	**97**	**253**	**13:43:10.333**	**C9JNEQU14501-**	**DESELC**	**300KS**	**JUPITER EQUATORIAL 145 DEGREES P**	**2R5**	**4**	**1**	**: :**	
1482	97	253	13:43:14.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5849.28 +/-	2R5	4	1	4,124,676	78:0
1483	97	253	13:43:14.333	175LY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,124,676	78:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	97	253	13:43:14.333	175LY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,124,676:78:0	
1485	97	253	13:43:15.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5849.34 +/-	2R5	4	1	4,124,676:79:8	
1486	97	253	13:43:23.000	117MA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,124,677:00:0	
1487	**97**	**253**	**13:43:26.999**	**C9JNEQU14501-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1488	97	253	13:45:00.333	41SX99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	2R5	4	1	4,124,678:55:0	
1489	**97**	**253**	**13:46:54.333**	**41SX3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**2R5**	**4**	**1**	**4,124,680:44:0**	
1490	**97**	**253**	**13:47:04.333**	**41SX3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**2R5**	**4**	**1**	**4,124,680:59:0**	
1491	**97**	**253**	**13:47:14.333**	**41SX3I**	**40T2**	**1**	**PCT Heater 2 ON**	**2R5**	**4**	**1**	**4,124,680:74:0**	
1492	**97**	**253**	**13:47:24.333**	**41SX3J**	**40T2**	**2**	**PCT Heater 2 ON**	**2R5**	**4**	**1**	**4,124,680:89:0**	
1493	**97**	**253**	**13:47:29.666**	**C9NNCHOPOF05-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1494	**97**	**253**	**13:48:21.666**	**127FW4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**2R0**	**4**	**0**	**4,124,681:84:0**	
1495	97	253	13:48:21.666	127FW	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	4,124,681:84:0	
1496	**97**	**253**	**13:48:22.333**	**127FW4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**2R0**	**4**	**0**	**4,124,681:85:0**	
1497	97	253	13:48:30.333	127FW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R0	4	0	4,124,682:06:0	
1498	**97**	**253**	**13:52:24.333**	**125FW4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**4,124,685:84:0**	
1499	97	253	13:52:24.333	125FW	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,124,685:84:0	
1500	**97**	**253**	**13:53:25.000**	**125FW4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**4,124,686:84:0**	
1501	97	253	13:54:25.666	125FW11A	NIMSINIT	GE	##### GROUP END INIT	260	4	0	4,124,687:84:0	
1502	**97**	**253**	**13:54:25.666**	**125FW4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**2O0**	**4**	**0**	**4,124,687:84:0**	
1503	97	253	13:55:02.333	490UE412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	2O0	4	0	4,124,688:48:0	
1504	**97**	**253**	**13:58:36.999**	**C9NNCHOPOF05-**		**-----STOP-------**		**2O0**	**4**	**0**	**: :**	
1505	97	253	14:00:00.333	490UE412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	4,124,693:40:0	
1506	97	253	14:04:10.333	490UE412A4E	7VECT	RTH	Inert vect update UTC	2O0	4	0	4,124,697:51:0	
1507	97	253	14:04:14.333	490UE412A4F	7TURN	2,RTH	ALERT Thruster	2O0	4	0	4,124,697:57:0	
1508	97	253	14:08:02.333	490UE412A406A4A	7STAR	1,3000,95.710999	Star catalog update	2O0	4	0	4,124,701:35:0	
1509	97	253	14:08:04.333	490UE412A406A4B	7STAR	2,111,257.16	Star catalog update	2O0	4	0	4,124,701:38:0	
1510	97	253	14:08:06.333	490UE412A406A4C	7STAR	3,138,199.44	Star catalog update	2O0	4	0	4,124,701:41:0	
1511	97	253	14:08:08.333	490UE412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	2O0	4	0	4,124,701:44:0	
1512	97	253	14:08:10.333	490UE412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	2O0	4	0	4,124,701:47:0	
1513	97	253	14:08:12.333	490UE412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2O0	4	0	4,124,701:50:0	
1514	97	253	14:47:31.666	488EL6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,124,740:40:0	
1515	97	253	14:55:30.333	488EL6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,124,748:30:0	
1516	97	253	14:57:10.333	488EL6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,124,749:89:0	
1517	97	253	15:27:30.333	488EL6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,124,779:89:0	
1518	97	253	15:34:06.333	20UY4B	7STAR	1,3000,95.711,-5	Star catalog update	2O0	4	0	4,124,786:46:0	
1519	97	253	15:34:08.333	20UY4C	7STAR	2,98,27.694,63.4	Star catalog update	2O0	4	0	4,124,786:49:0	
1520	97	253	15:34:10.333	20UY4D	7STAR	3,111,257.158,65	Star catalog update	2O0	4	0	4,124,786:52:0	
1521	97	253	15:34:12.333	20UY4E	7STAR	4,138,199.439,-3	Star catalog update	2O0	4	0	4,124,786:55:0	
1522	97	253	15:34:14.333	20UY4F	7STAR	5,0,0.0,0.0	Star catalog update	2O0	4	0	4,124,786:58:0	
1523	97	253	15:34:16.333	20UY4G	7STAR	6,0,0.0,0.0	Star catalog update	2O0	4	0	4,124,786:61:0	
1524	97	253	15:50:13.000	490UE412A4L	**7MODE**	**CRU**	**AACS CRUISE MODE**	2O0	4	0	4,124,802:40:0	
1525	97	253	15:58:59.666	432OW431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	4,124,811:11:0	
1526	97	253	15:59:00.333	432OW6A	6RTSL1		R/T Select of DDS and	2O0	4	0	4,124,811:12:0	
1527	97	253	16:12:04.333	20A4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	2O0	4	0	4,124,824:05:0	
1528	97	253	16:12:54.333	20A4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,124,824:80:0	
1529	97	253	16:14:02.333	176SX6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	4,124,826:00:0	
1530	97	253	16:42:10.333	488EL6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,124,853:75:0	
1531	97	253	17:04:51.000	488EM6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,124,876:23:0	
1532	97	253	17:07:46.333	488EM6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,124,879:13:0	
1533	97	253	17:15:15.666	488EM6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,124,886:50:0	
1534	97	253	17:50:26.333	488EM6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,124,921:31:0	
1535	97	253	18:39:31.666	488EM6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,124,969:81:0	
1536	97	253	19:08:37.666	488EN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,124,998:61:0	
1537	97	253	20:11:14.333	488EN6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,125,060:54:0	
1538	97	253	22:42:42.266	488EN6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,125,210:36:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	97	254	01:54:32.266	488EO6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,125,400	11:0
1540	97	254	02:16:02.266	488EO6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,125,421	35:0
1541	97	254	02:25:34.266	488EO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,125,430	74:0
1542	97	254	05:29:46.933	176JA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	4,125,613	00:0
1543	97	254	07:08:18.266	488EO6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,125,710	40:0
1544	97	254	09:09:20.266	488EP6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,125,830	13:0
1545	97	254	09:16:18.266	488EP6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,125,837	03:0
1546	97	254	13:57:04.266	20UP4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	2O0	4	0	4,126,114	65:0
1547	97	254	13:57:54.266	20UP4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,126,115	49:0
1548	97	254	13:59:22.933	176JB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	4,126,117	00:0
1549	97	254	19:57:18.933	176BU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	4,126,471	00:0
1550	97	254	20:00:20.266	165BV4A	7SCAN	NORM,312.362,-20	Check S/P Position	2O0	4	0	4,126,473	90:0
1551	97	254	20:04:24.933	20UF4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	2O0	4	0	4,126,478	02:0
1552	97	254	20:05:14.933	20UF4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,126,478	77:0
1553	97	254	20:06:24.933	176BV6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	4,126,480	00:0
1554	97	254	20:52:30.933	488EQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,126,525	54:0
1555	97	254	23:00:00.266	418JG6A	6BUFLO	2	MUB Buffer low water m	2O0	4	0	4,126,651	62:0
1556	97	254	23:00:00.266	418JG6B	6BUFHI	4	MUB Buffer high water	2O0	4	0	4,126,651	62:0
1557	97	255	00:27:14.266	488EQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,126,737	87:0
1558	97	255	00:44:18.266	488EQ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,126,754	76:0
1559	97	255	00:50:42.266	488EQ6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,126,761	15:0
1560	97	255	04:32:30.200	488ER6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,126,980	48:0
1561	97	255	06:00:00.200	418JH6A	6BUFLO	2	MUB Buffer low water m	2O0	4	0	4,127,067	06:0
1562	97	255	06:00:00.200	418JH6B	6BUFHI	10	MUB Buffer high water	2O0	4	0	4,127,067	06:0
1563	97	255	08:21:16.866	488ER6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,127,206	72:0
1564	97	255	08:25:06.200	488ER6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,127,210	52:0
1565	97	255	08:26:46.200	488ER6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,127,212	20:0
1566	97	255	15:23:14.200	488ES6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,127,624	10:0
1567	97	255	16:33:38.200	488ES6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,127,693	67:0
1568	97	255	17:03:30.200	488ES6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,127,723	25:0
1569	97	255	17:11:28.866	488ES6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,127,731	15:0
1570	97	255	17:25:09.533	488ES6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,127,744	63:0
1571	97	255	17:46:10.200	488ET6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,127,765	43:0
1572	97	255	18:34:37.533	488ET6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,127,813	36:0
1573	97	255	19:03:43.533	488ET6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,127,842	16:0
1574	97	255	20:21:54.200	488ET6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,127,919	45:0
1575	97	255	22:12:50.200	488ET6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,128,029	19:0
1576	97	256	01:44:38.200	488EU6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,128,238	62:0
1577	97	256	02:05:22.200	488EU6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,128,259	17:0
1578	97	256	02:15:28.866	488EU6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,128,269	17:0
1579	97	256	05:11:24.866	488EU6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,128,443	17:0
1580	97	256	05:15:14.200	488EU6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,128,446	88:0
1581	97	256	05:16:54.200	488EV6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,128,448	56:0
1582	97	256	09:58:07.533	488EV6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,128,726	68:0
1583	97	256	10:21:32.133	488EV6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,128,749	82:0
1584	97	256	15:12:34.133	488EW6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,129,037	67:0
1585	97	256	16:27:14.133	488EW6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,129,111	53:0
1586	97	256	17:03:30.133	488EW6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,129,147	41:0
1587	97	256	17:06:27.466	488EW6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,129,150	34:0
1588	97	256	17:25:06.133	488EW6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,129,168	74:0
1589	97	256	17:39:46.133	488EX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,129,183	29:0
1590	97	256	18:34:40.800	488EX6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,129,237	57:0
1591	97	256	19:03:46.800	488EX6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,129,266	37:0
1592	97	256	20:41:06.133	488EX6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,129,362	60:0
1593	97	256	21:42:58.133	488EX6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,129,423	77:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	97	256	22:29:38.133	176SY6A	6TMREC	**TPB**	TERMINATE PLAYBACK (PB CONTROL) Record Mo	2O0	4	0	4,129,470:00:0	
1595	97	256	23:13:12.133	20BB4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	4,129,513:08:0	
1596	**97**	**257**	**00:00:00.000**	**20A3FF**	**40T2**	**Final Condition**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**4,129,559:33:8**	
1597	**97**	**257**	**00:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**4,129,559:33:8**	
1598	**97**	**257**	**00:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**4,129,559:33:8**	
1599	**97**	**257**	**00:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**4,129,559:33:8**	
1600	**97**	**257**	**00:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**4,129,559:33:8**	
1601	**97**	**257**	**00:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,129,559:33:8**	
1602	**97**	**257**	**00:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,129,559:33:8**	
1603	**97**	**257**	**00:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,129,559:33:8**	
1604	**97**	**257**	**00:00:00.000**	**20A3FE**	**40T1P**	**Final Condition**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**4,129,559:33:8**	
1605	97	257	00:00:00.133		DMS:	: READY	RDY, TRACK 3, FWD, TIC 5849.34 +/-	2O0	4	0	4,129,559:34:0	

C9CNGLOBAL01

```
OAPEL:  C9CNGLOBAL01            ALIAS:  C9CNGLOBAL01
EXT:    A                       PSID:   DC
SCLK1:  04014583:00:0           SCLK2:  04014615:89:0
SCET1:    97-176/06:26:12.266   SCET2:    97-176/06:59:32.933
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:  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	000F0	0,0000,0000,1111,0000
1	1BDFF	1,1011,1101,1111,1111
2	000F0	0,0000,0000,1111,0000
3	1BDFF	1,1011,1101,1111,1111
4	000F0	0,0000,0000,1111,0000
5	1BDFF	1,1011,1101,1111,1111
6	000F0	0,0000,0000,1111,0000
7	1BDFF	1,1011,1101,1111,1111
8	000F0	0,0000,0000,1111,0000
9	1BDFF	1,1011,1101,1111,1111
10	000F0	0,0000,0000,1111,0000
11	1BDFF	1,1011,1101,1111,1111
12	000F0	0,0000,0000,1111,0000
13	1BDFF	1,1011,1101,1111,1111
14	000F0	0,0000,0000,1111,0000
15	1BDFF	1,1011,1101,1111,1111
16	000F0	0,0000,0000,1111,0000
17	1BDFF	1,1011,1101,1111,1111
18	000F0	0,0000,0000,1111,0000
19	1BDFF	1,1011,1101,1111,1111
20	000F0	0,0000,0000,1111,0000
21	1BDFF	1,1011,1101,1111,1111
22	000F0	0,0000,0000,1111,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9CNANARR_01

OAPEL: C9CNANARR_01 ALIAS: C9CNANARR_01
EXT: A PSID: DD
SCLK1: 04015031:00:0 SCLK2: 04015040:80:0
SCET1: 97-176/13:59:10.933 SCET2: 97-176/14:09:10.933
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: 360 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: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

C9CNSKULD_01

OAPEL: C9CNSKULD_01 ALIAS: C9CNSKULD_01
EXT: A PSID: DE
SCLK1: 04015061:00:0 SCLK2: 04015070:81:0
SCET1: 97-176/14:29:30.933 SCET2: 97-176/14:39:30.933
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: 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	000F0	0,0000,0000,1111,0000
1	1BDFF	1,1011,1101,1111,1111
2	000F0	0,0000,0000,1111,0000
3	1BDFF	1,1011,1101,1111,1111
4	000F0	0,0000,0000,1111,0000
5	1BDFF	1,1011,1101,1111,1111
6	000F0	0,0000,0000,1111,0000
7	1BDFF	1,1011,1101,1111,1111
8	000F0	0,0000,0000,1111,0000
9	1BDFF	1,1011,1101,1111,1111
10	000F0	0,0000,0000,1111,0000
11	1BDFF	1,1011,1101,1111,1111
12	000F0	0,0000,0000,1111,0000
13	1BDFF	1,1011,1101,1111,1111
14	000F0	0,0000,0000,1111,0000
15	1BDFF	1,1011,1101,1111,1111
16	000F0	0,0000,0000,1111,0000
17	1BDFF	1,1011,1101,1111,1111
18	000F0	0,0000,0000,1111,0000
19	1BDFF	1,1011,1101,1111,1111
20	000F0	0,0000,0000,1111,0000
21	1BDFF	1,1011,1101,1111,1111
22	000F0	0,0000,0000,1111,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9CNNOLAT_01

OAPEL: C9CNNOLAT_01 ALIAS: C9CNNOLAT_01
EXT: A PSID: DF
SCLK1: 04015089:00:0 SCLK2: 04015099:50:0
SCET1: 97-176/14:57:49.600 SCET2: 97-176/15:08:29.600
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: 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	000F0	0,0000,0000,1111,0000
1	1BDFF	1,1011,1101,1111,1111
2	000F0	0,0000,0000,1111,0000
3	1BDFF	1,1011,1101,1111,1111
4	000F0	0,0000,0000,1111,0000
5	1BDFF	1,1011,1101,1111,1111
6	000F0	0,0000,0000,1111,0000
7	1BDFF	1,1011,1101,1111,1111
8	000F0	0,0000,0000,1111,0000
9	1BDFF	1,1011,1101,1111,1111
10	000F0	0,0000,0000,1111,0000
11	1BDFF	1,1011,1101,1111,1111
12	000F0	0,0000,0000,1111,0000
13	1BDFF	1,1011,1101,1111,1111
14	000F0	0,0000,0000,1111,0000
15	1BDFF	1,1011,1101,1111,1111
16	000F0	0,0000,0000,1111,0000
17	1BDFF	1,1011,1101,1111,1111
18	000F0	0,0000,0000,1111,0000
19	1BDFF	1,1011,1101,1111,1111
20	000F0	0,0000,0000,1111,0000
21	1BDFF	1,1011,1101,1111,1111
22	000F0	0,0000,0000,1111,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9CNVALSPC01

OAPEL: C9CNVALSPC01 ALIAS: C9CNVALSPC01
EXT: A PSID: DG
SCLK1: 04015110:00:0 SCLK2: 04015116:54:0
SCET1: 97-176/15:19:03.600 SCET2: 97-176/15:25:43.600
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: 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	000F0	0,0000,0000,1111,0000
1	1BDFF	1,1011,1101,1111,1111
2	000F0	0,0000,0000,1111,0000
3	1BDFF	1,1011,1101,1111,1111
4	000F0	0,0000,0000,1111,0000
5	1BDFF	1,1011,1101,1111,1111
6	000F0	0,0000,0000,1111,0000
7	1BDFF	1,1011,1101,1111,1111
8	000F0	0,0000,0000,1111,0000
9	1BDFF	1,1011,1101,1111,1111
10	000F0	0,0000,0000,1111,0000
11	1BDFF	1,1011,1101,1111,1111
12	000F0	0,0000,0000,1111,0000
13	1BDFF	1,1011,1101,1111,1111
14	000F0	0,0000,0000,1111,0000
15	1BDFF	1,1011,1101,1111,1111
16	000F0	0,0000,0000,1111,0000
17	1BDFF	1,1011,1101,1111,1111
18	000F0	0,0000,0000,1111,0000
19	1BDFF	1,1011,1101,1111,1111
20	000F0	0,0000,0000,1111,0000
21	1BDFF	1,1011,1101,1111,1111
22	000F0	0,0000,0000,1111,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9CNVALHAL01

```
OAPEL:  C9CNVALHAL01            ALIAS:  C9CNVALHAL01
EXT:    A                       PSID:   DH
SCLK1:  04015261:00:0           SCLK2:  04015289:26:0
SCET1:    97-176/17:51:44.200   SCET2:    97-176/18:20:20.866
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:  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	000F0	0,0000,0000,1111,0000
1	1BDFF	1,1011,1101,1111,1111
2	000F0	0,0000,0000,1111,0000
3	1BDFF	1,1011,1101,1111,1111
4	000F0	0,0000,0000,1111,0000
5	1BDFF	1,1011,1101,1111,1111
6	000F0	0,0000,0000,1111,0000
7	1BDFF	1,1011,1101,1111,1111
8	000F0	0,0000,0000,1111,0000
9	1BDFF	1,1011,1101,1111,1111
10	000F0	0,0000,0000,1111,0000
11	1BDFF	1,1011,1101,1111,1111
12	000F0	0,0000,0000,1111,0000
13	1BDFF	1,1011,1101,1111,1111
14	000F0	0,0000,0000,1111,0000
15	1BDFF	1,1011,1101,1111,1111
16	000F0	0,0000,0000,1111,0000
17	1BDFF	1,1011,1101,1111,1111
18	000F0	0,0000,0000,1111,0000
19	1BDFF	1,1011,1101,1111,1111
20	000F0	0,0000,0000,1111,0000
21	1BDFF	1,1011,1101,1111,1111
22	000F0	0,0000,0000,1111,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9HNDARK__01

OAPEL: C9HNDARK__01 ALIAS: C9HNDARK__01
EXT: A PSID: DB
SCLK1: 04015294:00:0 SCLK2: 04015294:89:0
SCET1: 97-176/18:25:06.200 SCET2: 97-176/18:26:06.200
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: 252 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: 0326252001 03 26 252 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
13	1FFFF	1,1111,1111,1111,1111
14	1FFF8	1,1111,1111,1111,1000
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

C9JNSRTAUR01

```
OAPEL:  C9JNSRTAUR01            ALIAS:  C9JNSRTAUR01
EXT:    R                       PSID:   FE
SCLK1:  04015483:00:0           SCLK2:  04015485:12:0
SCET1:  1997-176/21:36:12.200   SCET2:  1997-176/21:38:21.533
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

C9JNSRTAUR02

```
OAPEL:  C9JNSRTAUR02            ALIAS:  C9JNSRTAUR02
EXT:    R                       PSID:   FQ
SCLK1:  04015499:00:0           SCLK2:  04015501:12:0
SCET1:  1997-176/21:52:22.866   SCET2:  1997-176/21:54:32.200
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:    0301408000          03  01  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

C9JNRTHOTS01

OAPEL: C9JNRTHOTS01 ALIAS: C9JNRTHOTS01
EXT: R PSID: MB
SCLK1: 04015515:00:0 SCLK2: 04015517:12:0
SCET1: 1997-176/22:08:33.533 SCET2: 1997-176/22:10:42.866
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: 0301408000 03 01 408 000
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

C9JNSRTAUR03

OAPEL: C9JNSRTAUR03 ALIAS: C9JNSRTAUR03
EXT: R PSID: FU
SCLK1: 04015529:00:0 SCLK2: 04015531:12:0
SCET1: 1997-176/22:22:42.866 SCET2: 1997-176/22:24:52.200
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: 0301408000 03 01 408 000
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

C9JNRTHOTS02

```
OAPEL:  C9JNRTHOTS02            ALIAS:  C9JNRTHOTS02
EXT:    R                       PSID:   MC
SCLK1:  04015721:00:0           SCLK2:  04015723:12:0
SCET1:  1997-177/01:36:50.866   SCET2:  1997-177/01:39:00.200
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:    0301408000          03  01  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

C9JNSRTAUR06

OAPEL: C9JNSRTAUR06 ALIAS: C9JNSRTAUR06
EXT: R PSID: DM
SCLK1: 04015835:00:0 SCLK2: 04015837:12:0
SCET1: 1997-177/03:32:06.866 SCET2: 1997-177/03:34:16.200
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: 0301408000 03 01 408 000
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

C9JNRTHOTS03

OAPEL: C9JNRTHOTS03 ALIAS: C9JNRTHOTS03
EXT: R PSID: MD
SCLK1: 04015976:00:0 SCLK2: 04015978:12:0
SCET1: 1997-177/05:54:40.866 SCET2: 1997-177/05:56:50.200
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: 0301408000 03 01 408 000
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

C9JNAURMAP01

```
OAPEL:  C9JNAURMAP01            ALIAS:  C9JNAURMAP01
EXT:    R                       PSID:   AH
SCLK1:  04016077:00:0           SCLK2:  04016079:12:0
SCET1:  1997-177/07:36:48.200   SCET2:  1997-177/07:38:57.533
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:    0301408000          03  01  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

C9GNGLOBAL01

```
OAPEL:  C9GNGLOBAL01            ALIAS:  C9GNGLOBAL01
EXT:    A                       PSID:   DI
SCLK1:  04016329:00:0           SCLK2:  04016376:43:0
SCET1:    97-177/11:51:36.200   SCET2:    97-177/12:39:36.200
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:  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	03C00	0,0011,1100,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	03C00	0,0011,1100,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	03C00	0,0011,1100,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	03C00	0,0011,1100,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	03C00	0,0011,1100,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	03C00	0,0011,1100,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	03C00	0,0011,1100,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	03C00	0,0011,1100,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	03C00	0,0011,1100,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	03C00	0,0011,1100,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	03C00	0,0011,1100,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	03C00	0,0011,1100,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9JNAURMAP02

```
OAPEL:  C9JNAURMAP02            ALIAS:  C9JNAURMAP02
EXT:    R                       PSID:   LI
SCLK1:  04016420:00:0           SCLK2:  04016422:12:0
SCET1:  1997-177/13:23:36.866   SCET2:  1997-177/13:25:46.200
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:    0301408000          03  01  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

C9ENCLIPSE01

```
OAPEL:  C9ENCLIPSE01              ALIAS:  C9ENCLIPSE01
EXT:    A                         PSID:   DJ
SCLK1:  04016575:00:0             SCLK2:  04016580:02:0
SCET1:    97-177/16:00:20.200     SCET2:    97-177/16:05:25.533
TARGET: EUROPA                    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:  126                    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:    0113126001          01  13  126  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDFF	1,1011,1101,1111,1111
1	0003F	0,0000,0000,0011,1111
2	1BDFF	1,1011,1101,1111,1111
3	0003F	0,0000,0000,0011,1111
4	1BDFF	1,1011,1101,1111,1111
5	0003F	0,0000,0000,0011,1111
6	1BDFF	1,1011,1101,1111,1111
7	0003F	0,0000,0000,0011,1111
8	1BDFF	1,1011,1101,1111,1111
9	0003F	0,0000,0000,0011,1111
10	1BDFF	1,1011,1101,1111,1111
11	0003F	0,0000,0000,0011,1111
12	00000	0,0000,0000,0000,0000

C9ENRTECLI01

```
OAPEL:  C9ENRTECLI01            ALIAS:  C9ENRTECLI01
EXT:    R                       PSID:   ME
SCLK1:  04016584:00:0           SCLK2:  04016586:12:0
SCET1:  1997-177/16:09:26.200   SCET2:  1997-177/16:11:35.533
TARGET: EUROPA                  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:       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:  221                  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:    0101221000          01  01  221  000
WTGRP_SIZ:  1
```

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

C9HNDARK__02

OAPEL: C9HNDARK__02 ALIAS: C9HNDARK__02
EXT: A PSID: DK
SCLK1: 04016615:00:0 SCLK2: 04016615:90:0
SCET1: 97-177/16:40:46.866 SCET2: 97-177/16:41:46.866
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: 252 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: 0326252001 03 26 252 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
13	1FFFF	1,1111,1111,1111,1111
14	1FFF8	1,1111,1111,1111,1000
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

C9GNDRKLIT01

OAPEL: C9GNDRKLIT01 ALIAS: C9GNDRKLIT01
EXT: A PSID: DL
SCLK1: 04016627:00:0 SCLK2: 04016655:71:0
SCET1: 97-177/16:52:54.866 SCET2: 97-177/17:22:01.533
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: 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	03C00	0,0011,1100,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	03C00	0,0011,1100,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	03C00	0,0011,1100,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	03C00	0,0011,1100,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	03C00	0,0011,1100,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	03C00	0,0011,1100,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	03C00	0,0011,1100,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	03C00	0,0011,1100,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	03C00	0,0011,1100,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	03C00	0,0011,1100,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	03C00	0,0011,1100,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	03C00	0,0011,1100,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9GNBRILED01

OAPEL: C9GNBRILED01 ALIAS: C9GNBRILED01
EXT: A PSID: DN
SCLK1: 04016661:00:0 SCLK2: 04016672:16:0
SCET1: 97-177/17:27:17.533 SCET2: 97-177/17:38:35.533
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: 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	03C00	0,0011,1100,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	03C00	0,0011,1100,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	03C00	0,0011,1100,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	03C00	0,0011,1100,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	03C00	0,0011,1100,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	03C00	0,0011,1100,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	03C00	0,0011,1100,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	03C00	0,0011,1100,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	03C00	0,0011,1100,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	03C00	0,0011,1100,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	03C00	0,0011,1100,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	03C00	0,0011,1100,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9GNRTSULC01

OAPEL: C9GNRTSULC01 ALIAS: C9GNRTSULC01
EXT: R PSID: LK
SCLK1: 04016690:00:0 SCLK2: 04016691:12:0
SCET1: 1997-177/17:56:36.866 SCET2: 1997-177/17:57:45.533
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: 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: 0301408000 03 01 408 000
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

C9ENCLIPSE03

```
OAPEL:  C9ENCLIPSE03            ALIAS:  C9ENCLIPSE03
EXT:    A                       PSID:   DO
SCLK1:  04016743:00:0           SCLK2:  04016747:59:0
SCET1:    97-177/18:50:12.200   SCET2:    97-177/18:54:54.866
TARGET: EUROPA                  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:  126                  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:    0113126001          01  13  126  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDFF	1,1011,1101,1111,1111
1	0003F	0,0000,0000,0011,1111
2	1BDFF	1,1011,1101,1111,1111
3	0003F	0,0000,0000,0011,1111
4	1BDFF	1,1011,1101,1111,1111
5	0003F	0,0000,0000,0011,1111
6	1BDFF	1,1011,1101,1111,1111
7	0003F	0,0000,0000,0011,1111
8	1BDFF	1,1011,1101,1111,1111
9	0003F	0,0000,0000,0011,1111
10	1BDFF	1,1011,1101,1111,1111
11	0003F	0,0000,0000,0011,1111
12	00000	0,0000,0000,0000,0000

C9ENRTECLI03

OAPEL: C9ENRTECLI03 ALIAS: C9ENRTECLI03
EXT: R PSID: EY
SCLK1: 04016751:00:0 SCLK2: 04016753:12:0
SCET1: 1997-177/18:58:17.533 SCET2: 1997-177/19:00:26.866
TARGET: EUROPA 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: 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: 221 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: 0101221000 01 01 221 000
WTGRP_SIZ: 1

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

C9JNGRS05101

```
OAPEL:  C9JNGRS05101            ALIAS:  C9JNGRS05101
EXT:    A                       PSID:   DP
SCLK1:  04016836:00:0           SCLK2:  04016839:24:0
SCET1:    97-177/20:24:14.200   SCET2:    97-177/20:27:32.200
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	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

C9JNGRS05102

```
OAPEL:  C9JNGRS05102            ALIAS:  C9JNGRS05102
EXT:    A                       PSID:   DQ
SCLK1:  04016856:00:0           SCLK2:  04016859:24:0
SCET1:    97-177/20:44:27.533   SCET2:    97-177/20:47:45.533
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	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

C9JNGRS05103

```
OAPEL:  C9JNGRS05103            ALIAS:  C9JNGRS05103
EXT:    A                       PSID:   DR
SCLK1:  04016921:00:0           SCLK2:  04016924:26:0
SCET1:    97-177/21:50:10.866   SCET2:    97-177/21:53:30.866
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	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

C9GNGLOBAL02

OAPEL: C9GNGLOBAL02 ALIAS: C9GNGLOBAL02
EXT: A PSID: DS
SCLK1: 04016929:00:0 SCLK2: 04016948:81:0
SCET1: 97-177/21:58:16.200 SCET2: 97-177/22:18:22.800
TARGET: GANYMEDE 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	03C00	0,0011,1100,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	03C00	0,0011,1100,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	03C00	0,0011,1100,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	03C00	0,0011,1100,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	03C00	0,0011,1100,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	03C00	0,0011,1100,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	03C00	0,0011,1100,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	03C00	0,0011,1100,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	03C00	0,0011,1100,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	03C00	0,0011,1100,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	03C00	0,0011,1100,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	03C00	0,0011,1100,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9INCOOLCV01

```
OAPEL:  C9INCOOLCV01              ALIAS:  C9INCOOLCV01
EXT:    A                         PSID:   DT
SCLK1:  04016978:87:0             SCLK2:  04016987:56:0
SCET1:    97-177/22:48:46.800     SCET2:    97-177/22:57:32.133
TARGET: IO                        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             00000    0,0000,0000,0000,0000
            1             000FF    0,0000,0000,1111,1111
            2             1BDFF    1,1011,1101,1111,1111
            3             1BDFF    1,1011,1101,1111,1111
            4             1BDFF    1,1011,1101,1111,1111
            5             1BDFF    1,1011,1101,1111,1111
            6             00000    0,0000,0000,0000,0000
```

C9GNRTGLOB01

OAPEL: C9GNRTGLOB01 ALIAS: C9GNRTGLOB01
EXT: R PSID: LM
SCLK1: 04017011:00:0 SCLK2: 04017013:12:0
SCET1: 1997-177/23:21:10.800 SCET2: 1997-177/23:23:20.133
TARGET: GANYMEDE 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: 0301408000 03 01 408 000
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

C9INWARMCV01

```
OAPEL:  C9INWARMCV01              ALIAS:  C9INWARMCV01
EXT:    A                         PSID:   DU
SCLK1:  04017113:00:0             SCLK2:  04017120:71:0
SCET1:    97-178/01:04:18.800     SCET2:    97-178/01:12:10.800
TARGET: IO                        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	00000	0,0000,0000,0000,0000
1	000FF	0,0000,0000,1111,1111
2	1BDFF	1,1011,1101,1111,1111
3	1BDFF	1,1011,1101,1111,1111
4	1BDFF	1,1011,1101,1111,1111
5	1BDFF	1,1011,1101,1111,1111
6	00000	0,0000,0000,0000,0000

C9INWARMCV02

```
OAPEL:  C9INWARMCV02              ALIAS:  C9INWARMCV02
EXT:    A                         PSID:   DV
SCLK1:  04017152:00:0             SCLK2:  04017156:76:0
SCET1:    97-178/01:43:44.800     SCET2:    97-178/01:48:38.133
TARGET: IO                        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	00000	0,0000,0000,0000,0000
1	000FF	0,0000,0000,1111,1111
2	1BDFF	1,1011,1101,1111,1111
3	1BDFF	1,1011,1101,1111,1111
4	1BDFF	1,1011,1101,1111,1111
5	1BDFF	1,1011,1101,1111,1111
6	00000	0,0000,0000,0000,0000

C9JNGRS01102

```
OAPEL:  C9JNGRS01102            ALIAS:  C9JNGRS01102
EXT:    A                       PSID:   DX
SCLK1:  04017444:00:0           SCLK2:  04017447:27:0
SCET1:    97-178/06:38:59.466   SCET2:    97-178/06:42:19.466
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

C9JNGRS01103

```
OAPEL:  C9JNGRS01103            ALIAS:  C9JNGRS01103
EXT:    A                       PSID:   DY
SCLK1:  04017548:00:0           SCLK2:  04017551:27:0
SCET1:    97-178/08:24:08.800   SCET2:    97-178/08:27:28.800
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

C9INCHEMIS01

```
OAPEL:  C9INCHEMIS01            ALIAS:  C9INCHEMIS01
EXT:    A                       PSID:   EA
SCLK1:  04017679:00:0           SCLK2:  04017681:00:0
SCET1:    97-178/10:36:36.133   SCET2:    97-178/10:38:37.466
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:  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	02580	0,0010,0101,1000,0000
1	1BDFF	1,1011,1101,1111,1111
2	02580	0,0010,0101,1000,0000
3	1BDFF	1,1011,1101,1111,1111
4	02580	0,0010,0101,1000,0000
5	1BDFF	1,1011,1101,1111,1111
6	02580	0,0010,0101,1000,0000
7	1BDFF	1,1011,1101,1111,1111
8	02580	0,0010,0101,1000,0000
9	1BDFF	1,1011,1101,1111,1111
10	02580	0,0010,0101,1000,0000
11	1BDFF	1,1011,1101,1111,1111
12	02580	0,0010,0101,1000,0000
13	1BDFF	1,1011,1101,1111,1111
14	02580	0,0010,0101,1000,0000
15	1BDFF	1,1011,1101,1111,1111
16	02580	0,0010,0101,1000,0000
17	1BDFF	1,1011,1101,1111,1111
18	02580	0,0010,0101,1000,0000
19	1BDFF	1,1011,1101,1111,1111
20	02580	0,0010,0101,1000,0000
21	1BDFF	1,1011,1101,1111,1111
22	02580	0,0010,0101,1000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9JNFEAFUL01

OAPEL: C9JNFEAFUL01 ALIAS: C9JNFEAFUL01
EXT: A PSID: EG
SCLK1: 04017901:00:0 SCLK2: 04017905:21:0
SCET1: 97-178/14:21:04.133 SCET2: 97-178/14:25:20.800
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 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	1BD87	1,1011,1101,1000,0111
1	1BD87	1,1011,1101,1000,0111
2	1BD87	1,1011,1101,1000,0111
3	1BD87	1,1011,1101,1000,0111
4	1BD87	1,1011,1101,1000,0111
5	1BD87	1,1011,1101,1000,0111
6	1BD87	1,1011,1101,1000,0111
7	1BD87	1,1011,1101,1000,0111
8	1BD87	1,1011,1101,1000,0111
9	1BD87	1,1011,1101,1000,0111
10	1BD87	1,1011,1101,1000,0111
11	1BD87	1,1011,1101,1000,0111
12	1BD87	1,1011,1101,1000,0111
13	1BD07	1,1011,1101,0000,0111
14	1BD07	1,1011,1101,0000,0111
15	1BD07	1,1011,1101,0000,0111
16	1BD07	1,1011,1101,0000,0111
17	1BD07	1,1011,1101,0000,0111
18	1BD07	1,1011,1101,0000,0111
19	1BD07	1,1011,1101,0000,0111
20	1BD07	1,1011,1101,0000,0111
21	1BD07	1,1011,1101,0000,0111
22	1BD07	1,1011,1101,0000,0111
23	1BD07	1,1011,1101,0000,0111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9JNFEA01504

```
OAPEL:  C9JNFEA01504            ALIAS:  C9JNFEA01504
EXT:    A                       PSID:   EK
SCLK1:  04017973:00:0           SCLK2:  04017976:27:0
SCET1:    97-178/15:33:52.133   SCET2:    97-178/15:37:12.133
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

C9JNSPOLEM04

```
OAPEL:  C9JNSPOLEM04              ALIAS:  C9JNSPOLEM04
EXT:    A                         PSID:   EL
SCLK1:  04017999:00:0             SCLK2:  04018005:38:0
SCET1:    97-178/16:00:09.466     SCET2:    97-178/16:06:38.800
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

C9JNSPOLEM05

```
OAPEL:  C9JNSPOLEM05              ALIAS:  C9JNSPOLEM05
EXT:    A                         PSID:   EM
SCLK1:  04018051:00:0             SCLK2:  04018057:38:0
SCET1:    97-178/16:52:44.133     SCET2:    97-178/16:59:13.466
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

C9JNGRS03901

```
OAPEL:  C9JNGRS03901            ALIAS:  C9JNGRS03901
EXT:    A                       PSID:   EN
SCLK1:  04018067:00:0           SCLK2:  04018070:27:0
SCET1:    97-178/17:08:54.800   SCET2:    97-178/17:12:14.800
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

C9JNSPOLEM06

```
OAPEL:  C9JNSPOLEM06              ALIAS:  C9JNSPOLEM06
EXT:    A                         PSID:   EO
SCLK1:  04018128:00:0             SCLK2:  04018134:38:0
SCET1:    97-178/18:10:35.466     SCET2:    97-178/18:17:04.800
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

C9JNGRSFUL01

OAPEL: C9JNGRSFUL01 ALIAS: C9JNGRSFUL01
EXT: A PSID: ET
SCLK1: 04018208:00:0 SCLK2: 04018212:21:0
SCET1: 97-178/19:31:28.800 SCET2: 97-178/19:35:45.466
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 360 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: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

C9JNGRS03902

```
OAPEL:  C9JNGRS03902            ALIAS:  C9JNGRS03902
EXT:    A                       PSID:   EU
SCLK1:  04018246:00:0           SCLK2:  04018249:27:0
SCET1:    97-178/20:09:54.133   SCET2:    97-178/20:13:14.133
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

C9JNGRS03903

```
OAPEL:  C9JNGRS03903            ALIAS:  C9JNGRS03903
EXT:    A                       PSID:   EV
SCLK1:  04018260:00:0           SCLK2:  04018263:27:0
SCET1:    97-178/20:24:03.466   SCET2:    97-178/20:27:23.466
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

C9JNSPOLEM08

```
OAPEL:  C9JNSPOLEM08              ALIAS:  C9JNSPOLEM08
EXT:    A                         PSID:   EX
SCLK1:  04018280:00:0             SCLK2:  04018286:38:0
SCET1:    97-178/20:44:16.800     SCET2:    97-178/20:50:46.133
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

C9INVOLCAN01

OAPEL: C9INVOLCAN01 ALIAS: C9INVOLCAN01
EXT: A PSID: EZ
SCLK1: 04018332:00:0 SCLK2: 04018333:49:0
SCET1: 97-178/21:36:51.466 SCET2: 97-178/21:38:24.800
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	1A100	1,1010,0001,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	1A100	1,1010,0001,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	1A100	1,1010,0001,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	1A100	1,1010,0001,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	1A100	1,1010,0001,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	1A100	1,1010,0001,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	1A100	1,1010,0001,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	1A100	1,1010,0001,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	1A100	1,1010,0001,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	1A100	1,1010,0001,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	1A100	1,1010,0001,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	1A100	1,1010,0001,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9INCHEMIS03

OAPEL: C9INCHEMIS03 ALIAS: C9INCHEMIS03
EXT: A PSID: FB
SCLK1: 04018386:00:0 SCLK2: 04018389:27:0
SCET1: 97-178/22:31:27.466 SCET2: 97-178/22:34:47.466
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: 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	02580	0,0010,0101,1000,0000
1	1BDFF	1,1011,1101,1111,1111
2	02580	0,0010,0101,1000,0000
3	1BDFF	1,1011,1101,1111,1111
4	02580	0,0010,0101,1000,0000
5	1BDFF	1,1011,1101,1111,1111
6	02580	0,0010,0101,1000,0000
7	1BDFF	1,1011,1101,1111,1111
8	02580	0,0010,0101,1000,0000
9	1BDFF	1,1011,1101,1111,1111
10	02580	0,0010,0101,1000,0000
11	1BDFF	1,1011,1101,1111,1111
12	02580	0,0010,0101,1000,0000
13	1BDFF	1,1011,1101,1111,1111
14	02580	0,0010,0101,1000,0000
15	1BDFF	1,1011,1101,1111,1111
16	02580	0,0010,0101,1000,0000
17	1BDFF	1,1011,1101,1111,1111
18	02580	0,0010,0101,1000,0000
19	1BDFF	1,1011,1101,1111,1111
20	02580	0,0010,0101,1000,0000
21	1BDFF	1,1011,1101,1111,1111
22	02580	0,0010,0101,1000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9JNFEA05701

```
OAPEL:  C9JNFEA05701            ALIAS:  C9JNFEA05701
EXT:    A                       PSID:   FC
SCLK1:  04018401:00:0           SCLK2:  04018412:26:0
SCET1:    97-178/22:46:37.466   SCET2:    97-178/22:58:02.800
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

C9JNFEA05702

```
OAPEL:  C9JNFEA05702            ALIAS:  C9JNFEA05702
EXT:    A                       PSID:   FF
SCLK1:  04018506:00:0           SCLK2:  04018509:27:0
SCET1:    97-179/00:32:47.466   SCET2:    97-179/00:36:07.466
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

C9JNFEA05703

```
OAPEL:  C9JNFEA05703            ALIAS:  C9JNFEA05703
EXT:    A                       PSID:   FG
SCLK1:  04018546:00:0           SCLK2:  04018549:27:0
SCET1:    97-179/01:13:14.133   SCET2:    97-179/01:16:34.133
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

C9JNFEA05704

OAPEL: C9JNFEA05704 ALIAS: C9JNFEA05704
EXT: A PSID: FH
SCLK1: 04018594:84:0 SCLK2: 04018597:27:0
SCET1: 97-179/02:02:42.800 SCET2: 97-179/02:05:06.133
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

C9INHRSPEC01

```
OAPEL:  C9INHRSPEC01              ALIAS:  C9INHRSPEC01
EXT:    A                         PSID:   FI
SCLK1:  04018624:00:0             SCLK2:  04018626:44:0
SCET1:    97-179/02:32:06.133     SCET2:    97-179/02:34:37.466
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:  360                    TLMFMT:    MPW

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

WETGID:    0326360001          03  26  360  001
WTGRP_SIZ: 26
```

EDIT TABLE

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

C9INNSPEC_01

OAPEL: C9INNSPEC_01 ALIAS: C9INNSPEC_01
EXT: A PSID: FJ
SCLK1: 04018637:00:0 SCLK2: 04018639:00:0
SCET1: 97-179/02:45:14.800 SCET2: 97-179/02:47:16.133
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: 360 TLMFMT: MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

C9JNGRS07501

```
OAPEL:  C9JNGRS07501            ALIAS:  C9JNGRS07501
EXT:    A                       PSID:   FK
SCLK1:  04018754:00:0           SCLK2:  04018757:27:0
SCET1:    97-179/04:43:32.733   SCET2:    97-179/04:46:52.733
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:   40                  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:    0507040001          05  07  040  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	1DD80	1,1101,1101,1000,0000
2	1BD80	1,1011,1101,1000,0000
3	1BD80	1,1011,1101,1000,0000
4	1BD80	1,1011,1101,1000,0000
5	1B980	1,1011,1001,1000,0000
6	00000	0,0000,0000,0000,0000

C9JNGRS07502

```
OAPEL:  C9JNGRS07502            ALIAS:  C9JNGRS07502
EXT:    A                       PSID:   FL
SCLK1:  04018808:00:0           SCLK2:  04018811:26:0
SCET1:    97-179/05:38:08.733   SCET2:    97-179/05:41:28.733
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:   40                  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:    0507040001          05  07  040  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	1DD80	1,1101,1101,1000,0000
2	1BD80	1,1011,1101,1000,0000
3	1BD80	1,1011,1101,1000,0000
4	1BD80	1,1011,1101,1000,0000
5	1B980	1,1011,1001,1000,0000
6	00000	0,0000,0000,0000,0000

C9JNGRS07504

```
OAPEL:  C9JNGRS07504            ALIAS:  C9JNGRS07504
EXT:    A                       PSID:   FN
SCLK1:  04018872:00:0           SCLK2:  04018875:27:0
SCET1:    97-179/06:42:51.400   SCET2:    97-179/06:46:11.400
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:   40                  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:    0507040001          05  07  040  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	1DD80	1,1101,1101,1000,0000
2	1BD80	1,1011,1101,1000,0000
3	1BD80	1,1011,1101,1000,0000
4	1BD80	1,1011,1101,1000,0000
5	1B980	1,1011,1001,1000,0000
6	00000	0,0000,0000,0000,0000

C9INCHEMIS04

OAPEL: C9INCHEMIS04 ALIAS: C9INCHEMIS04
EXT: A PSID: FO
SCLK1: 04018887:00:0 SCLK2: 04018891:86:0
SCET1: 97-179/06:58:01.400 SCET2: 97-179/07:03:01.400
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: 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	02580	0,0010,0101,1000,0000
1	1BDFF	1,1011,1101,1111,1111
2	02580	0,0010,0101,1000,0000
3	1BDFF	1,1011,1101,1111,1111
4	02580	0,0010,0101,1000,0000
5	1BDFF	1,1011,1101,1111,1111
6	02580	0,0010,0101,1000,0000
7	1BDFF	1,1011,1101,1111,1111
8	02580	0,0010,0101,1000,0000
9	1BDFF	1,1011,1101,1111,1111
10	02580	0,0010,0101,1000,0000
11	1BDFF	1,1011,1101,1111,1111
12	02580	0,0010,0101,1000,0000
13	1BDFF	1,1011,1101,1111,1111
14	02580	0,0010,0101,1000,0000
15	1BDFF	1,1011,1101,1111,1111
16	02580	0,0010,0101,1000,0000
17	1BDFF	1,1011,1101,1111,1111
18	02580	0,0010,0101,1000,0000
19	1BDFF	1,1011,1101,1111,1111
20	02580	0,0010,0101,1000,0000
21	1BDFF	1,1011,1101,1111,1111
22	02580	0,0010,0101,1000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9JNGRS53M01

OAPEL: C9JNGRS53M01 ALIAS: C9JNGRS53M01
EXT: A PSID: FP
SCLK1: 04018902:00:0 SCLK2: 04018911:00:0
SCET1: 97-179/07:13:11.400 SCET2: 97-179/07:22:17.400
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

C9JNGRS5UM01

OAPEL: C9JNGRS5UM01 ALIAS: C9JNGRS5UM01
EXT: A PSID: FR
SCLK1: 04018954:00:0 SCLK2: 04018963:00:0
SCET1: 97-179/08:05:46.066 SCET2: 97-179/08:14:52.066
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

C9JNAURMAP03

OAPEL: C9JNAURMAP03 ALIAS: C9JNAURMAP03
EXT: R PSID: LE
SCLK1: 04018988:00:0 SCLK2: 04018990:12:0
SCET1: 1997-179/08:40:08.733 SCET2: 1997-179/08:42:18.066
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: 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: 0301408000 03 01 408 000
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

C9JNFEA08501

```
OAPEL:  C9JNFEA08501            ALIAS:  C9JNFEA08501
EXT:    A                       PSID:   FS
SCLK1:  04019053:00:0           SCLK2:  04019056:27:0
SCET1:    97-179/09:45:52.066   SCET2:    97-179/09:49:12.066
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:   40                  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:    0507040001          05  07  040  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	1DD80	1,1101,1101,1000,0000
2	1BD80	1,1011,1101,1000,0000
3	1BD80	1,1011,1101,1000,0000
4	1BD80	1,1011,1101,1000,0000
5	1B980	1,1011,1001,1000,0000
6	00000	0,0000,0000,0000,0000

C9JNTHRCYL03

OAPEL: C9JNTHRCYL03 ALIAS: C9JNTHRCYL03
EXT: A PSID: FT
SCLK1: 04019061:00:0 SCLK2: 04019080:53:0
SCET1: 97-179/09:53:57.400 SCET2: 97-179/10:13:45.400
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: 127 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: 0326127001 03 26 127 001
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	00187	0,0000,0001,1000,0111
5	00187	0,0000,0001,1000,0111
6	00187	0,0000,0001,1000,0111
7	00187	0,0000,0001,1000,0111
8	00187	0,0000,0001,1000,0111
9	00187	0,0000,0001,1000,0111
10	00187	0,0000,0001,1000,0111
11	00187	0,0000,0001,1000,0111
12	00187	0,0000,0001,1000,0111
13	00187	0,0000,0001,1000,0111
14	00187	0,0000,0001,1000,0111
15	00187	0,0000,0001,1000,0111
16	00187	0,0000,0001,1000,0111
17	0018F	0,0000,0001,1000,1111
18	0018F	0,0000,0001,1000,1111
19	0018F	0,0000,0001,1000,1111
20	0018F	0,0000,0001,1000,1111
21	0018F	0,0000,0001,1000,1111
22	0018F	0,0000,0001,1000,1111
23	0018F	0,0000,0001,1000,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9JNFEA08502

```
OAPEL:  C9JNFEA08502            ALIAS:  C9JNFEA08502
EXT:    A                       PSID:   FV
SCLK1:  04019097:00:0           SCLK2:  04019100:27:0
SCET1:    97-179/10:30:21.400   SCET2:    97-179/10:33:41.400
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:   40                  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:    0507040001          05  07  040  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	1DD80	1,1101,1101,1000,0000
2	1BD80	1,1011,1101,1000,0000
3	1BD80	1,1011,1101,1000,0000
4	1BD80	1,1011,1101,1000,0000
5	1B980	1,1011,1001,1000,0000
6	00000	0,0000,0000,0000,0000

C9JNTHRCYL04

OAPEL: C9JNTHRCYL04 ALIAS: C9JNTHRCYL04
EXT: A PSID: FW
SCLK1: 04019105:00:0 SCLK2: 04019124:53:0
SCET1: 97-179/10:38:26.733 SCET2: 97-179/10:58:14.733
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: 127 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: 0326127001 03 26 127 001
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	00187	0,0000,0001,1000,0111
5	00187	0,0000,0001,1000,0111
6	00187	0,0000,0001,1000,0111
7	00187	0,0000,0001,1000,0111
8	00187	0,0000,0001,1000,0111
9	00187	0,0000,0001,1000,0111
10	00187	0,0000,0001,1000,0111
11	00187	0,0000,0001,1000,0111
12	00187	0,0000,0001,1000,0111
13	00187	0,0000,0001,1000,0111
14	00187	0,0000,0001,1000,0111
15	00187	0,0000,0001,1000,0111
16	00187	0,0000,0001,1000,0111
17	0018F	0,0000,0001,1000,1111
18	0018F	0,0000,0001,1000,1111
19	0018F	0,0000,0001,1000,1111
20	0018F	0,0000,0001,1000,1111
21	0018F	0,0000,0001,1000,1111
22	0018F	0,0000,0001,1000,1111
23	0018F	0,0000,0001,1000,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9JNFEA08503

```
OAPEL:  C9JNFEA08503            ALIAS:  C9JNFEA08503
EXT:    A                       PSID:   FY
SCLK1:  04019146:00:0           SCLK2:  04019149:27:0
SCET1:    97-179/11:19:54.066   SCET2:    97-179/11:23:14.066
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:   40                  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:    0507040001          05  07  040  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	1DD80	1,1101,1101,1000,0000
2	1BD80	1,1011,1101,1000,0000
3	1BD80	1,1011,1101,1000,0000
4	1BD80	1,1011,1101,1000,0000
5	1B980	1,1011,1001,1000,0000
6	00000	0,0000,0000,0000,0000

C9JNFEA08504

```
OAPEL:  C9JNFEA08504            ALIAS:  C9JNFEA08504
EXT:    A                       PSID:   FZ
SCLK1:  04019164:00:0           SCLK2:  04019167:26:0
SCET1:    97-179/11:38:06.066   SCET2:    97-179/11:41:26.066
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:   40                  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:    0507040001          05  07  040  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	1DD80	1,1101,1101,1000,0000
2	1BD80	1,1011,1101,1000,0000
3	1BD80	1,1011,1101,1000,0000
4	1BD80	1,1011,1101,1000,0000
5	1B980	1,1011,1001,1000,0000
6	00000	0,0000,0000,0000,0000

C9HNDARK__04

OAPEL: C9HNDARK__04 ALIAS: C9HNDARK__04
EXT: A PSID: LB
SCLK1: 04019203:00:0 SCLK2: 04019203:90:0
SCET1: 97-179/12:17:32.066 SCET2: 97-179/12:18:32.066
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: 252 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: 0326252001 03 26 252 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
13	1FFFF	1,1111,1111,1111,1111
14	1FFF8	1,1111,1111,1111,1000
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

C9JNFEA53M01

OAPEL: C9JNFEA53M01 ALIAS: C9JNFEA53M01
EXT: A PSID: LC
SCLK1: 04019209:00:0 SCLK2: 04019220:63:0
SCET1: 97-179/12:23:36.066 SCET2: 97-179/12:35:26.066
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

C9JNFEA5UM01

OAPEL: C9JNFEA5UM01 ALIAS: C9JNFEA5UM01
EXT: A PSID: LD
SCLK1: 04019254:00:0 SCLK2: 04019262:86:0
SCET1: 97-179/13:09:06.066 SCET2: 97-179/13:18:09.400
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

C9JNTHRCYL06

OAPEL: C9JNTHRCYL06 ALIAS: C9JNTHRCYL06
EXT: A PSID: LQ
SCLK1: 04019268:00:0 SCLK2: 04019289:86:0
SCET1: 97-179/13:23:15.400 SCET2: 97-179/13:45:27.400
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: 127 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: 0326127001 03 26 127 001
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	00187	0,0000,0001,1000,0111
5	00187	0,0000,0001,1000,0111
6	00187	0,0000,0001,1000,0111
7	00187	0,0000,0001,1000,0111
8	00187	0,0000,0001,1000,0111
9	00187	0,0000,0001,1000,0111
10	00187	0,0000,0001,1000,0111
11	00187	0,0000,0001,1000,0111
12	00187	0,0000,0001,1000,0111
13	00187	0,0000,0001,1000,0111
14	00187	0,0000,0001,1000,0111
15	00187	0,0000,0001,1000,0111
16	00187	0,0000,0001,1000,0111
17	0018F	0,0000,0001,1000,1111
18	0018F	0,0000,0001,1000,1111
19	0018F	0,0000,0001,1000,1111
20	0018F	0,0000,0001,1000,1111
21	0018F	0,0000,0001,1000,1111
22	0018F	0,0000,0001,1000,1111
23	0018F	0,0000,0001,1000,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9JNAURVAR01

OAPEL: C9JNAURVAR01 ALIAS: C9JNAURVAR01
EXT: R PSID: LG
SCLK1: 04019313:00:0 SCLK2: 04019317:12:0
SCET1: 1997-179/14:08:45.400 SCET2: 1997-179/14:12:56.066
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: 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: 0301408000 03 01 408 000
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

C9JNTHRCYL07

OAPEL: C9JNTHRCYL07 ALIAS: C9JNTHRCYL07
EXT: A PSID: LF
SCLK1: 04019369:00:0 SCLK2: 04019390:22:0
SCET1: 97-179/15:05:22.733 SCET2: 97-179/15:26:51.400
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: 127 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: 0326127001 03 26 127 001
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	00187	0,0000,0001,1000,0111
5	00187	0,0000,0001,1000,0111
6	00187	0,0000,0001,1000,0111
7	00187	0,0000,0001,1000,0111
8	00187	0,0000,0001,1000,0111
9	00187	0,0000,0001,1000,0111
10	00187	0,0000,0001,1000,0111
11	00187	0,0000,0001,1000,0111
12	00187	0,0000,0001,1000,0111
13	00187	0,0000,0001,1000,0111
14	00187	0,0000,0001,1000,0111
15	00187	0,0000,0001,1000,0111
16	00187	0,0000,0001,1000,0111
17	0018F	0,0000,0001,1000,1111
18	0018F	0,0000,0001,1000,1111
19	0018F	0,0000,0001,1000,1111
20	0018F	0,0000,0001,1000,1111
21	0018F	0,0000,0001,1000,1111
22	0018F	0,0000,0001,1000,1111
23	0018F	0,0000,0001,1000,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9JNGRS09501

```
OAPEL:  C9JNGRS09501            ALIAS:  C9JNGRS09501
EXT:    A                       PSID:   LG
SCLK1:  04019402:00:0           SCLK2:  04019405:27:0
SCET1:    97-179/15:38:44.733   SCET2:    97-179/15:42:04.733
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

C9JNGRS09502

```
OAPEL:  C9JNGRS09502            ALIAS:  C9JNGRS09502
EXT:    A                       PSID:   LI
SCLK1:  04019431:00:0           SCLK2:  04019437:29:0
SCET1:    97-179/16:08:04.066   SCET2:    97-179/16:14:28.066
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

C9INCHEMIS06

OAPEL: C9INCHEMIS06 ALIAS: C9INCHEMIS06
EXT: A PSID: LK
SCLK1: 04019584:00:0 SCLK2: 04019586:51:0
SCET1: 97-179/18:42:46.066 SCET2: 97-179/18:45:21.400
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: 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	02580	0,0010,0101,1000,0000
1	1BDFF	1,1011,1101,1111,1111
2	02580	0,0010,0101,1000,0000
3	1BDFF	1,1011,1101,1111,1111
4	02580	0,0010,0101,1000,0000
5	1BDFF	1,1011,1101,1111,1111
6	02580	0,0010,0101,1000,0000
7	1BDFF	1,1011,1101,1111,1111
8	02580	0,0010,0101,1000,0000
9	1BDFF	1,1011,1101,1111,1111
10	02580	0,0010,0101,1000,0000
11	1BDFF	1,1011,1101,1111,1111
12	02580	0,0010,0101,1000,0000
13	1BDFF	1,1011,1101,1111,1111
14	02580	0,0010,0101,1000,0000
15	1BDFF	1,1011,1101,1111,1111
16	02580	0,0010,0101,1000,0000
17	1BDFF	1,1011,1101,1111,1111
18	02580	0,0010,0101,1000,0000
19	1BDFF	1,1011,1101,1111,1111
20	02580	0,0010,0101,1000,0000
21	1BDFF	1,1011,1101,1111,1111
22	02580	0,0010,0101,1000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

C9JNFEA10201

OAPEL: C9JNFEA10201 ALIAS: C9JNFEA10201
EXT: A PSID: LQ
SCLK1: 04019720:00:0 SCLK2: 04019723:27:0
SCET1: 97-179/21:00:16.733 SCET2: 97-179/21:03:36.733
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

C9JNFEA10202

OAPEL: C9JNFEA10202 ALIAS: C9JNFEA10202
EXT: A PSID: LR
SCLK1: 04019760:00:0 SCLK2: 04019763:27:0
SCET1: 97-179/21:40:43.400 SCET2: 97-179/21:44:03.400
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

C9JNAUCAMB01

```
OAPEL:  C9JNAUCAMB01              ALIAS:  C9JNAUCAMB01
EXT:    A                         PSID:   DZ
SCLK1:  04027849:00:0             SCLK2:  04027854:00:0
SCET1:    97-185/13:59:34.533     SCET2:    97-185/14:04:37.866
TARGET: JUPITER                   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:  126                    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:    0113126001          01  13  126  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	03DFC	0,0011,1101,1111,1100
1	03DFC	0,0011,1101,1111,1100
2	03DFC	0,0011,1101,1111,1100
3	03DFC	0,0011,1101,1111,1100
4	03DFC	0,0011,1101,1111,1100
5	03DFC	0,0011,1101,1111,1100
6	03DF8	0,0011,1101,1111,1000
7	03DF8	0,0011,1101,1111,1000
8	03DF8	0,0011,1101,1111,1000
9	03DF8	0,0011,1101,1111,1000
10	03DF8	0,0011,1101,1111,1000
11	03DF8	0,0011,1101,1111,1000
12	00000	0,0000,0000,0000,0000

C9JNAURRTB01

OAPEL: C9JNAURRTB01 ALIAS: C9JNAURRTB01
EXT: R PSID: LZ
SCLK1: 04027863:00:0 SCLK2: 04027867:12:0
SCET1: 1997-185/14:13:43.866 SCET2: 1997-185/14:17:54.533
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

C9HNSTRCAL01

OAPEL: C9HNSTRCAL01 ALIAS: C9HNSTRCAL01
EXT: R PSID: EP
SCLK1: 04027873:00:0 SCLK2: 04027873:12:0
SCET1: 1997-185/14:23:50.533 SCET2: 1997-185/14:23:58.533
TARGET: SKY PARTITION: 1

MODE: 7 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 012 PTAB_B: 1 1 0 0 012
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: 17 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: 0702204000 07 02 204 000
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	00000	0,0000,0000,0000,0000

C9HNSTRCAL02

OAPEL: C9HNSTRCAL02 ALIAS: C9HNSTRCAL01
EXT: R PSID: EP
SCLK1: 04027874:00:0 SCLK2: 04027874:12:0
SCET1: 1997-185/14:24:51.200 SCET2: 1997-185/14:24:59.200
TARGET: SKY PARTITION: 1

MODE: 7 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 1 012 PTAB_B: 1 1 0 1 012
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: 17 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: 0702204000 07 02 204 000
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	00000	0,0000,0000,0000,0000

C9HNSTRCAL03

```
OAPEL:  C9HNSTRCAL03            ALIAS:  C9HNSTRCAL01
EXT:    R                       PSID:   EP
SCLK1:  04027875:00:0           SCLK2:  04027875:12:0
SCET1:  1997-185/14:25:51.866   SCET2:  1997-185/14:25:59.866
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 2 012          PTAB_B:    1 1 0 2 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL04

```
OAPEL:  C9HNSTRCAL04            ALIAS:  C9HNSTRCAL01
EXT:    R                       PSID:   EP
SCLK1:  04027876:00:0           SCLK2:  04027876:12:0
SCET1:  1997-185/14:26:52.533   SCET2:  1997-185/14:27:00.533
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 3 012          PTAB_B:    1 1 0 3 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL05

```
OAPEL:  C9HNSTRCAL05            ALIAS:  C9HNSTRCAL01
EXT:    R                       PSID:   EP
SCLK1:  04027877:00:0           SCLK2:  04027877:12:0
SCET1:  1997-185/14:27:53.200   SCET2:  1997-185/14:28:01.200
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 4 012          PTAB_B:    1 1 0 4 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL06

```
OAPEL:  C9HNSTRCAL06            ALIAS:  C9HNSTRCAL01
EXT:    R                       PSID:   EP
SCLK1:  04027878:00:0           SCLK2:  04027878:12:0
SCET1:  1997-185/14:28:53.866   SCET2:  1997-185/14:29:01.866
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 5 012          PTAB_B:    1 1 0 5 012
ECAL:      0                    OPCAL:     0
R/T:       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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL07

```
OAPEL:  C9HNSTRCAL07            ALIAS:  C9HNSTRCAL01
EXT:    R                       PSID:   EP
SCLK1:  04027879:00:0           SCLK2:  04027879:12:0
SCET1:  1997-185/14:29:54.533   SCET2:  1997-185/14:30:02.533
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 6 012          PTAB_B:    1 1 0 6 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL08

```
OAPEL:  C9HNSTRCAL08            ALIAS:  C9HNSTRCAL01
EXT:    R                       PSID:   EP
SCLK1:  04027880:00:0           SCLK2:  04027880:12:0
SCET1:  1997-185/14:30:55.200   SCET2:  1997-185/14:31:03.200
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 7 012          PTAB_B:    1 1 0 7 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL09

```
OAPEL:  C9HNSTRCAL09            ALIAS:  C9HNSTRCAL01
EXT:    R                       PSID:   EP
SCLK1:  04027881:00:0           SCLK2:  04027881:12:0
SCET1:  1997-185/14:31:55.866   SCET2:  1997-185/14:32:03.866
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 8 012          PTAB_B:    1 1 0 8 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL10

```
OAPEL:  C9HNSTRCAL10            ALIAS:  C9HNSTRCAL01
EXT:    R                       PSID:   EP
SCLK1:  04027882:00:0           SCLK2:  04027882:90:0
SCET1:  1997-185/14:32:56.533   SCET2:  1997-185/14:33:04.533
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 9 012          PTAB_B:    1 1 0 9 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL11

```
OAPEL:  C9HNSTRCAL11            ALIAS:  C9HNSTRCAL01
EXT:    R                       PSID:   EP
SCLK1:  04027883:00:0           SCLK2:  04027883:90:0
SCET1:  1997-185/14:33:57.200   SCET2:  1997-185/14:34:05.200
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 010 012          PTAB_B:    1 1 010 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL12

OAPEL: C9HNSTRCAL12 ALIAS: C9HNSTRCAL01
EXT: R PSID: EP
SCLK1: 04027884:00:0 SCLK2: 04027884:12:0
SCET1: 1997-185/14:34:57.866 SCET2: 1997-185/14:35:05.866
TARGET: SKY PARTITION: 1

MODE: 7 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 011 012 PTAB_B: 1 1 011 012
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: 17 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: 0702204000 07 02 204 000
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	00000	0,0000,0000,0000,0000

C9JNAURRTB02

OAPEL: C9JNAURRTB02 ALIAS: C9JNAURRTB02
EXT: R PSID: MU
SCLK1: 04027893:00:0 SCLK2: 04027897:12:0
SCET1: 1997-185/14:44:03.866 SCET2: 1997-185/14:48:14.533
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

C9JNAURRTB03

OAPEL: C9JNAURRTB03 ALIAS: C9JNAURRTB03
EXT: R PSID: MV
SCLK1: 04027923:00:0 SCLK2: 04027927:12:0
SCET1: 1997-185/15:14:23.866 SCET2: 1997-185/15:18:34.533
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

C9JNAURRTB04

OAPEL: C9JNAURRTB04 ALIAS: C9JNAURRTB04
EXT: R PSID: DB
SCLK1: 04027943:00:0 SCLK2: 04027947:12:0
SCET1: 1997-185/15:34:37.200 SCET2: 1997-185/15:38:47.866
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

C9HNSTRCAL13

```
OAPEL:  C9HNSTRCAL13            ALIAS:  C9HNSTRCAL02
EXT:    R                       PSID:   DA
SCLK1:  04027953:00:0           SCLK2:  04027953:12:0
SCET1:  1997-185/15:44:43.866   SCET2:  1997-185/15:44:51.866
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 012 012          PTAB_B:    1 1 012 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL14

```
OAPEL:  C9HNSTRCAL14            ALIAS:  C9HNSTRCAL02
EXT:    R                       PSID:   DA
SCLK1:  04027954:00:0           SCLK2:  04027954:12:0
SCET1:  1997-185/15:45:44.533   SCET2:  1997-185/15:45:52.533
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 013 012          PTAB_B:    1 1 013 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL15

```
OAPEL:  C9HNSTRCAL15            ALIAS:  C9HNSTRCAL02
EXT:    R                       PSID:   DA
SCLK1:  04027955:00:0           SCLK2:  04027955:12:0
SCET1:  1997-185/15:46:45.200   SCET2:  1997-185/15:46:53.200
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 014 012          PTAB_B:    1 1 014 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL16

```
OAPEL:  C9HNSTRCAL16            ALIAS:  C9HNSTRCAL02
EXT:    R                       PSID:   DA
SCLK1:  04027956:00:0           SCLK2:  04027956:12:0
SCET1:  1997-185/15:47:45.866   SCET2:  1997-185/15:47:53.866
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 015 012          PTAB_B:    1 1 015 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL17

```
OAPEL:  C9HNSTRCAL17            ALIAS:  C9HNSTRCAL02
EXT:    R                       PSID:   DA
SCLK1:  04027957:00:0           SCLK2:  04027957:12:0
SCET1:  1997-185/15:48:46.533   SCET2:  1997-185/15:48:54.533
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 016 012          PTAB_B:    1 1 016 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL18

```
OAPEL:  C9HNSTRCAL18            ALIAS:  C9HNSTRCAL02
EXT:    R                       PSID:   DA
SCLK1:  04027958:00:0           SCLK2:  04027958:12:0
SCET1:  1997-185/15:49:47.200   SCET2:  1997-185/15:49:55.200
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 017 012          PTAB_B:    1 1 017 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL19

OAPEL: C9HNSTRCAL19 ALIAS: C9HNSTRCAL02
EXT: R PSID: DA
SCLK1: 04027959:00:0 SCLK2: 04027959:12:0
SCET1: 1997-185/15:50:47.866 SCET2: 1997-185/15:50:55.866
TARGET: SKY PARTITION: 1

MODE: 7 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 018 012 PTAB_B: 1 1 018 012
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: 17 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: 0702204000 07 02 204 000
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	00000	0,0000,0000,0000,0000

C9HNSTRCAL20

```
OAPEL:  C9HNSTRCAL20            ALIAS:  C9HNSTRCAL02
EXT:    R                       PSID:   DA
SCLK1:  04027960:00:0           SCLK2:  04027960:12:0
SCET1:  1997-185/15:51:48.533   SCET2:  1997-185/15:51:56.533
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 019 012          PTAB_B:    1 1 019 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL21

```
OAPEL:  C9HNSTRCAL21            ALIAS:  C9HNSTRCAL02
EXT:    R                       PSID:   DA
SCLK1:  04027961:00:0           SCLK2:  04027961:12:0
SCET1:  1997-185/15:52:49.200   SCET2:  1997-185/15:52:57.200
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 020 012          PTAB_B:    1 1 020 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL22

```
OAPEL:  C9HNSTRCAL22            ALIAS:  C9HNSTRCAL02
EXT:    R                       PSID:   DA
SCLK1:  04027962:00:0           SCLK2:  04027962:12:0
SCET1:  1997-185/15:53:49.866   SCET2:  1997-185/15:53:57.866
TARGET: SKY                     PARTITION: 1

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

MB_DOWN:   11011                MB_UP:     11011
COMP_FLAG: 0
EST_COMP:  0.0                  EST_COMPV: 0.0
RATE_CON1: 00000                RATE_CON2: 00000
NWAVETOT:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9HNSTRCAL23

OAPEL: C9HNSTRCAL23 ALIAS: C9HNSTRCAL02
EXT: R PSID: DA
SCLK1: 04027963:00:0 SCLK2: 04027963:12:0
SCET1: 1997-185/15:54:50.533 SCET2: 1997-185/15:54:58.533
TARGET: SKY PARTITION: 1

MODE: 7 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 022 012 PTAB_B: 1 1 022 012
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: 17 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: 0702204000 07 02 204 000
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	00000	0,0000,0000,0000,0000

C9HNSTRCAL24

```
OAPEL:  C9HNSTRCAL24            ALIAS:  C9HNSTRCAL02
EXT:    R                       PSID:   DA
SCLK1:  04027964:00:0           SCLK2:  04027964:28:0
SCET1:  1997-185/15:55:51.200   SCET2:  1997-185/15:55:59.866
TARGET: SKY                     PARTITION: 1

MODE:      7                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 023 012          PTAB_B:    1 1 023 012
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:   17                  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:    0702204000          07  02  204  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	00000	0,0000,0000,0000,0000

C9JNAURRTB05

OAPEL: C9JNAURRTB05 ALIAS: C9JNAURRTB05
EXT: R PSID: MX
SCLK1: 04027973:00:0 SCLK2: 04027977:12:0
SCET1: 1997-185/16:04:57.200 SCET2: 1997-185/16:09:07.866
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

C9JNAUCAMB02

```
OAPEL:  C9JNAUCAMB02              ALIAS:  C9JNAUCAMB02
EXT:    A                         PSID:   MT
SCLK1:  04027984:00:0             SCLK2:  04027989:00:0
SCET1:    97-185/16:16:04.533     SCET2:    97-185/16:21:07.866
TARGET: JUPITER                   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:  126                    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:    0113126001          01  13  126  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	03DFC	0,0011,1101,1111,1100
1	03DFC	0,0011,1101,1111,1100
2	03DFC	0,0011,1101,1111,1100
3	03DFC	0,0011,1101,1111,1100
4	03DFC	0,0011,1101,1111,1100
5	03DFC	0,0011,1101,1111,1100
6	03DF8	0,0011,1101,1111,1000
7	03DF8	0,0011,1101,1111,1000
8	03DF8	0,0011,1101,1111,1000
9	03DF8	0,0011,1101,1111,1000
10	03DF8	0,0011,1101,1111,1000
11	03DF8	0,0011,1101,1111,1000
12	00000	0,0000,0000,0000,0000

C9NNRCTRLT01

```
OAPEL:  C9NNRCTRLT01            ALIAS:  LSNNRCTRTA01
EXT:    R                       PSID:   XU
SCLK1:  04041131:00:0           SCLK2:  04041131:12:0
SCET1:  1997-194/21:49:08.733   SCET2:  1997-194/21:49:16.733
TARGET: CAL                     PARTITION: 1

MODE:      3                    GAIN:      1
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:  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

C9NNRCTRLT01

```
OAPEL:  C9NNRCTRLT01            ALIAS:  LSNNRCTRTA01
EXT:    S                       PSID:   XU
SCLK1:  04041137:00:0           SCLK2:  04041138:12:0
SCET1:  1997-194/21:55:02.733   SCET2:  1997-194/21:56:21.400
TARGET: CAL                     PARTITION: 1

MODE:      3                    GAIN:      1
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:  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

C9NNRCTRLT01

```
OAPEL:  C9NNRCTRLT01            ALIAS:  LSNNRCTRTA01
EXT:    T                       PSID:   XU
SCLK1:  04041143:00:0           SCLK2:  04041143:12:0
SCET1:  1997-194/22:00:76.733   SCET2:  1997-194/22:01:24.733
TARGET: CAL                     PARTITION: 1

MODE:      3                    GAIN:      1
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:  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

C9NNPCTRLT01

OAPEL: C9NNPCTRLT01 ALIAS: C9NNPCTRLT01
EXT: R PSID: FT
SCLK1: 04041893:00:0 SCLK2: 04041894:12:0
SCET1: 1997-195/10:39:36.666 SCET2: 1997-195/10:40:45.333
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 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

C9NNPCTRLT01

OAPEL: C9NNPCTRLT01 ALIAS: C9NNPCTRLT01
EXT: S PSID: FT
SCLK1: 04041899:00:0 SCLK2: 04041906:90:0
SCET1: 1997-195/10:45:40.666 SCET2: 1997-195/10:53:45.333
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 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

C9NNPCTRLT01

OAPEL: C9NNPCTRLT01 ALIAS: C9NNPCTRLT01
EXT: T PSID: FT
SCLK1: 04041907:00:0 SCLK2: 04041908:12:0
SCET1: 1997-195/10:53:46.000 SCET2: 1997-195/10:54:54.666
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 4
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: 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

C9NNRCTRLT02

```
OAPEL:  C9NNRCTRLT02            ALIAS:  LSNNRCTRTB01
EXT:    R                       PSID:   XI
SCLK1:  04081944:00:0           SCLK2:  04081944:12:0
SCET1:  1997-223/13:35:35.866   SCET2:  1997-223/13:35:43.866
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

C9NNRCTRLT02

OAPEL: C9NNRCTRLT02 ALIAS: LSNNRCTRTB01
EXT: S PSID: XI
SCLK1: 04081950:00:0 SCLK2: 04081951:12:0
SCET1: 1997-223/13:41:39.866 SCET2: 1997-223/13:42:48.533
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

C9NNRCTRLT02

```
OAPEL:  C9NNRCTRLT02            ALIAS:  LSNNRCTRTB01
EXT:    T                       PSID:   XI
SCLK1:  04081956:00:0           SCLK2:  04081956:12:0
SCET1:  1997-223/13:47:43.866   SCET2:  1997-223/13:47:51.866
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

C9JNGRS15601

OAPEL: C9JNGRS15601 ALIAS: C9JNGRS15601
EXT: A PSID: LJ
SCLK1: 04115205:00:0 SCLK2: 04115205:75:0
SCET1: 97-246/22:06:08.666 SCET2: 97-246/22:06:58.666
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

C9JNSOU15601

```
OAPEL:  C9JNSOU15601            ALIAS:  C9JNSOU15601
EXT:    A                       PSID:   LL
SCLK1:  04115211:00:0           SCLK2:  04115211:75:0
SCET1:    97-246/22:12:12.666   SCET2:    97-246/22:13:02.666
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

C9JNNOR15601

```
OAPEL:  C9JNNOR15601            ALIAS:  C9JNNOR15601
EXT:    A                       PSID:   LM
SCLK1:  04115217:00:0           SCLK2:  04115217:74:0
SCET1:    97-246/22:18:16.666   SCET2:    97-246/22:19:06.666
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

C9RNMRING_01

```
OAPEL:  C9RNMRING_01              ALIAS:  C9RNMRING_01
EXT:    A                         PSID:   DZ
SCLK1:  04115263:00:0             SCLK2:  04115266:87:0
SCET1:    97-246/23:04:47.333     SCET2:    97-246/23:08:47.333
TARGET: RING                      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:  108                    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:    0113126000          01  13  126  000
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDFF	1,1011,1101,1111,1111
1	0BC80	0,1011,1100,1000,0000
2	1BDFF	1,1011,1101,1111,1111
3	0BC80	0,1011,1100,1000,0000
4	1BDFF	1,1011,1101,1111,1111
5	0BC80	0,1011,1100,1000,0000
6	1BDFF	1,1011,1101,1111,1111
7	0BC80	0,1011,1100,1000,0000
8	1BDFF	1,1011,1101,1111,1111
9	0BC80	0,1011,1100,1000,0000
10	1BDFF	1,1011,1101,1111,1111
11	0BC80	0,1011,1100,1000,0000
12	00000	0,0000,0000,0000,0000

C9JNFEA15601

OAPEL: C9JNFEA15601 ALIAS: C9JNFEA15601
EXT: A PSID: LO
SCLK1: 04115298:00:0 SCLK2: 04115298:75:0
SCET1: 97-246/23:40:10.666 SCET2: 97-246/23:41:00.666
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

C9NNOPCAL_01

```
OAPEL:  C9NNOPCAL_01            ALIAS:  C9NNOPCAL_01
EXT:    R                       PSID:   DA
SCLK1:  04124590:00:0           SCLK2:  04124592:12:0
SCET1:  1997-253/12:15:25.000   SCET2:  1997-253/12:17:34.333
TARGET: CAL                     PARTITION: 1

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

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

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

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

EDIT TABLE

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

C9JNFEA14501

```
OAPEL:  C9JNFEA14501            ALIAS:  C9JNFEA14501
EXT:    A                       PSID:   LP
SCLK1:  04124633:00:0           SCLK2:  04124633:75:0
SCET1:    97-253/12:58:53.666   SCET2:    97-253/12:59:43.666
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

C9JNFEA14502

```
OAPEL:  C9JNFEA14502            ALIAS:  C9JNFEA14502
EXT:    A                       PSID:   LS
SCLK1:  04124641:00:0           SCLK2:  04124641:75:0
SCET1:    97-253/13:06:59.000   SCET2:    97-253/13:07:49.000
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

C9JNGRS14501

```
OAPEL:  C9JNGRS14501            ALIAS:  C9JNGRS14501
EXT:    A                       PSID:   FB
SCLK1:  04124648:00:0           SCLK2:  04124648:75:0
SCET1:    97-253/13:14:03.666   SCET2:    97-253/13:14:53.666
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

C9JNGRS14502

```
OAPEL:  C9JNGRS14502            ALIAS:  C9JNGRS14502
EXT:    A                       PSID:   LU
SCLK1:  04124656:00:0           SCLK2:  04124656:75:0
SCET1:    97-253/13:22:09.000   SCET2:    97-253/13:22:59.000
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

C9JNFEA14503

```
OAPEL:  C9JNFEA14503            ALIAS:  C9JNFEA14503
EXT:    A                       PSID:   MG
SCLK1:  04124662:00:0           SCLK2:  04124662:75:0
SCET1:    97-253/13:28:13.000   SCET2:    97-253/13:29:03.000
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

C9JNSOU14501

OAPEL: C9JNSOU14501 ALIAS: C9JNSOU14501
EXT: A PSID: MH
SCLK1: 04124665:00:0 SCLK2: 04124665:75:0
SCET1: 97-253/13:31:15.000 SCET2: 97-253/13:32:05.000
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

C9JNNOR14501

```
OAPEL:  C9JNNOR14501            ALIAS:  C9JNNOR14501
EXT:    A                       PSID:   LZ
SCLK1:  04124670:00:0           SCLK2:  04124670:75:0
SCET1:    97-253/13:36:18.333   SCET2:    97-253/13:37:08.333
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

C9JNEQU14501

```
OAPEL:  C9JNEQU14501            ALIAS:  C9JNEQU14501
EXT:    A                       PSID:   MA
SCLK1:  04124676:00:0           SCLK2:  04124676:72:0
SCET1:    97-253/13:42:22.333   SCET2:    97-253/13:43:10.333
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

NIMS C9 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS C9 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.)
-------------------------------
.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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C9CNGLOBAL01C9CNGLOBAL01ADC04014583:00:004014615:89:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  228LPU  97-176/06:26:12.266  97-176/06:59:32.933
          0300300300000300290280280290280320340310310320300290326228001260l000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BD
FF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF0100000010000O
C9CNANARR_01C9CNANARR_01ADD04015031:00:004015040:80:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  360MPW  97-176/13:59:10.933  97-176/14:09:10.933
          0000000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF0100000010000O
C9CNSKULD_01C9CNSKULD_01ADE04015061:00:004015070:81:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  228LPU  97-176/14:29:30.933  97-176/14:39:30.933
          0000000000000000000000000000000000000000000000000000000032622800126l000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BD
FF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF0100000010000O
C9CNNOLAT_01C9CNNOLAT_01ADF04015089:00:004015099:50:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  228LPU  97-176/14:57:49.600  97-176/15:08:29.600
          0300300300000300290280280290280320340310310320300290326228001260l000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BD
FF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF0100000010000O
C9CNVALSPC01C9CNVALSPC01ADG04015110:00:004015116:54:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  228LPU  97-176/15:19:03.600  97-176/15:25:43.600
          0000000000000000000000000000000000000000000000000000000032622800126l000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BD
FF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF0100000010000O
C9CNVALHAL01C9CNVALHAL01ADH04015261:00:004015289:26:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  228LPU  97-176/17:51:44.200  97-176/18:20:20.866
          0300300300000300290280280290280320340310310320300290326228001260l000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BD
FF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF0100000010000O
C9HNDARK__01C9HNDARK__01ADB04015294:00:004015294:89:01         SKY      3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  252LPU  97-176/18:25:06.200  97-176/18:26:06.200
          0000000000000000000000000000000000000000000000000000000032625200126011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FF
FF011FFFF011FFFF011FFFF011FFFF011FFFF011FFF8010000001000000100000010000001000000100000010000001000000100000010000001000000100000O
C9JNSRTAUR01C9JNSRTAUR01RFE04015483:00:004015485:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  408RT 1997-176/21:36:12.2001997-176/21:38:21.533
          0000000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

C9JNSRTAUR02C9JNSRTAUR02RFQ04015499:00:004015501:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  408RT 1997-176/21:52:22.8661997-176/21:54:32.200
          0000000000000000000000000000000000000000000000000000000301408000 2241FFFF0200000

C9JNRTHOTS01C9JNRTHOTS01RMB04015515:00:004015517:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  408RT 1997-176/22:08:33.5331997-176/22:10:42.866
          0000000000000000000000000000000000000000000000000000000301408000 2241FFFF0200000

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C9JNSRTAUR03C9JNSRTAUR03RFU04015529:00:004015531:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-176/22:22:42.8661997-176/22:24:52.200
          00000000000000000000000000000000000000000000000000301408000 2241FFFF0200000

C9JNRTHOTS02C9JNRTHOTS02RMC04015721:00:004015723:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-177/01:36:50.8661997-177/01:39:00.200
          00000000000000000000000000000000000000000000000000301408000 2241FFFF0200000

C9JNSRTAUR06C9JNSRTAUR06RDM04015835:00:004015837:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-177/03:32:06.8661997-177/03:34:16.200
          00000000000000000000000000000000000000000000000000301408000 2241FFFF0200000

C9JNRTHOTS03C9JNRTHOTS03RMD04015976:00:004015978:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-177/05:54:40.8661997-177/05:56:50.200
          00000000000000000000000000000000000000000000000000301408000 2241FFFF0200000

C9JNAURMAP01C9JNAURMAP01RAH04016077:00:004016079:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-177/07:36:48.2001997-177/07:38:57.533
          00000000000000000000000000000000000000000000000000301408000 2241FFFF0200000

C9GNGLOBAL01C9GNGLOBAL01ADI04016329:00:004016376:43:01         GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 228LPU  97-177/11:51:36.200  97-177/12:39:36.200
          03003003000003002902802802902803203403103103203002903262280012601 03C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BD
FF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF01000000100000
C9JNAURMAP02C9JNAURMAP02RLI04016420:00:004016422:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-177/13:23:36.8661997-177/13:25:46.200
          00000000000000000000000000000000000000000000000000301408000 2241FFFF0200000

C9ENCLIPSE01C9ENCLIPSE01ADJ04016575:00:004016580:02:01         EUROPA   1414 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                 126LPU  97-177/16:00:20.200  97-177/16:05:25.533
          00000000000000000000000000000000000000000000000000011312600113011BDFF010003F011BDFF010003F011BDFF010003F011BDFF01000
3F011BDFF010003F011BDFF010003F0100000
C9ENRTECLI01C9ENRTECLI01RME04016584:00:004016586:12:01         EUROPA   1414 1 1 0 0 212 1 1 0 0 21200100 1101111011 0 0.00.0000
0000000                 221RT 1997-177/16:09:26.2001997-177/16:11:35.533
          00000000000000000000000000000000000000000000000000101221000 1131FFFF

C9HNDARK__02C9HNDARK__02ADK04016615:00:004016615:90:01         SKY      3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 252LPU  97-177/16:40:46.866  97-177/16:41:46.866
          00000000000000000000000000000000000000000000000000032625200126011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FF
FF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFF801000000100000010000001000000100000010000001000000100000010000001000000100000
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C9GNDRKLIT01C9GNDRKLIT01ADL04016627:00:004016655:71:01        GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  97-177/16:52:54.866  97-177/17:22:01.533
          00000000000000000000000000000000000000000000000000326228001260103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BD
FF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF01000000100000
C9GNBRILED01C9GNBRILED01ADN04016661:00:004016672:16:01        GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  97-177/17:27:17.533  97-177/17:38:35.533
          00000000000000000000000000000000000000000000000000326228001260103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BD
FF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF01000000100000
C9GNRTSULC01C9GNRTSULC01RLK04016690:00:004016691:12:01        GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-177/17:56:36.8661997-177/17:57:45.533
          00000000000000000000000000000000000000000000000000301408000 2241FFFF0200000

C9ENCLIPSE03C9ENCLIPSE03ADO04016743:00:004016747:59:01        EUROPA   1414 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                 126LPU  97-177/18:50:12.200  97-177/18:54:54.866
          00000000000000000000000000000000000000000000000000011312600113011BDFF010003F011BDFF010003F011BDFF010003F011BDFF01000
3F011BDFF010003F011BDFF010003F0100000
C9ENRTECLI03C9ENRTECLI03REY04016751:00:004016753:12:01        EUROPA   1414 1 1 0 0 212 1 1 0 0 21200100 1101111011 0 0.00.0000
0000000                 221RT 1997-177/18:58:17.5331997-177/19:00:26.866
          00000000000000000000000000000000000000000000000000101221000 1131FFFF

C9JNGRS05101C9JNGRS05101ADP04016836:00:004016839:24:01        JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  25LPU  97-177/20:24:14.200  97-177/20:27:32.200
          00000000000000000000000000000000000000000000000000507025001 701004000111D8101199000101902010B8100100C010100000

C9JNGRS05102C9JNGRS05102ADQ04016856:00:004016859:24:01        JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  25LPU  97-177/20:44:27.533  97-177/20:47:45.533
          00000000000000000000000000000000000000000000000000507025001 701004000111D8101199000101902010B8100100C010100000

C9JNGRS05103C9JNGRS05103ADR04016921:00:004016924:26:01        JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  25LPU  97-177/21:50:10.866  97-177/21:53:30.866
          00000000000000000000000000000000000000000000000000507025001 701004000111D8101199000101902010B8100100C010100000

C9GNGLOBAL02C9GNGLOBAL02ADS04016929:00:004016948:81:01        GANYMEDE 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  97-177/21:58:16.200  97-177/22:18:22.800
          00000000000000000000000000000000000000000000000000326228001260103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BD
FF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF01000000100000
C9INCOOLCV01C9INCOOLCV01ADT04016978:87:004016987:56:01        IO       5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-177/22:48:46.800  97-177/22:57:32.133
          00000000000000000000000000000000000000000000000000507068001 7010000001000FF011BDFF011BDFF011BDFF011BDFF0100000

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C9GNRTGLOB01C9GNRTGLOB01RLM04017011:00:004017013:12:01         GANYMEDE 3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-177/23:21:10.8001997-177/23:23:20.133
          00000000000000000000000000000000000000000000000000301408000 2241FFFF0200000

C9INWARMCV01C9INWARMCV01ADU04017113:00:004017120:71:01         IO       5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-178/01:04:18.800  97-178/01:12:10.800
          00000000000000000000000000000000000000000000000000507068001 7010000001000FF011BDFF011BDFF011BDFF011BDFF0100000

C9INWARMCV02C9INWARMCV02ADV04017152:00:004017156:76:01         IO       5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-178/01:43:44.800  97-178/01:48:38.133
          00000000000000000000000000000000000000000000000000507068001 7010000001000FF011BDFF011BDFF011BDFF011BDFF0100000

C9JNGRS01102C9JNGRS01102ADX04017444:00:004017447:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-178/06:38:59.466  97-178/06:42:19.466
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNGRS01103C9JNGRS01103ADY04017548:00:004017551:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-178/08:24:08.800  97-178/08:27:28.800
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9INCHEMIS01C9INCHEMIS01AEA04017679:00:004017681:00:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  97-178/10:36:36.133  97-178/10:38:37.466
          00000000000000000000000000000000000000000000000000326228001260102580011BDFF0102580011BDFF0102580011BDFF0102580011BD
FF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF01000000100000
C9JNFEAFUL01C9JNFEAFUL01AEG04017901:00:004017905:21:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 253LPU  97-178/14:21:04.133  97-178/14:25:20.800
          00000000000000000000000000000000000000000000000000326253001260 11BD87011BD87011BD87011BD87011BD87011BD87011BD87011BD
87011BD87011BD87011BD87011BD87011BD07011BD07011BD07011BD07011BD07011BD07011BD07011BD07011BD0701000000100000
C9JNFEA01504C9JNFEA01504AEK04017973:00:004017976:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-178/15:33:52.133  97-178/15:37:12.133
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNSPOLEM04C9JNSPOLEM04AEL04017999:00:004018005:38:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-178/16:00:09.466  97-178/16:06:38.800
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNSPOLEM05C9JNSPOLEM05AEM04018051:00:004018057:38:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-178/16:52:44.133  97-178/16:59:13.466
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

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C9JNGRS03901C9JNGRS03901AEN04018067:00:004018070:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-178/17:08:54.800  97-178/17:12:14.800
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNSPOLEM06C9JNSPOLEM06AEO04018128:00:004018134:38:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-178/18:10:35.466  97-178/18:17:04.800
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNGRSFUL01C9JNGRSFUL01AET04018208:00:004018212:21:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 360MPW  97-178/19:31:28.800  97-178/19:35:45.466
          00000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
C9JNGRS03902C9JNGRS03902AEU04018246:00:004018249:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-178/20:09:54.133  97-178/20:13:14.133
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNGRS03903C9JNGRS03903AEV04018260:00:004018263:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-178/20:24:03.466  97-178/20:27:23.466
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNSPOLEM08C9JNSPOLEM08AEX04018280:00:004018286:38:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-178/20:44:16.800  97-178/20:50:46.133
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9INVOLCAN01C9INVOLCAN01AEZ04018332:00:004018333:49:01         IO       3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  97-178/21:36:51.466  97-178/21:38:24.800
          00000000000000000000000000000000000000000000000000032622800126011A100011BDFF011A100011BDFF011A100011BDFF011A100011BD
FF011A100011BDFF011A100011BDFF011A100011BDFF011A100011BDFF011A100011BDFF011A100011BDFF01000000100000
C9INCHEMIS03C9INCHEMIS03AFB04018386:00:004018389:27:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  97-178/22:31:27.466  97-178/22:34:47.466
          00000000000000000000000000000000000000000000000000032622800126010258001 1BDFF0102580011BDFF0102580011BDFF0102580011BD
FF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF01000000100000
C9JNFEA05701C9JNFEA05701AFC04018401:00:004018412:26:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-178/22:46:37.466  97-178/22:58:02.800
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNFEA05702C9JNFEA05702AFF04018506:00:004018509:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-179/00:32:47.466  97-179/00:36:07.466
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

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C9JNFEA05703C9JNFEA05703AFG04018546:00:004018549:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-179/01:13:14.133  97-179/01:16:34.133
          0000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNFEA05704C9JNFEA05704AFH04018594:84:004018597:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-179/02:02:42.800  97-179/02:05:06.133
          0000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9INHRSPEC01C9INHRSPEC01AFI04018624:00:004018626:44:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 360MPW  97-179/02:32:06.133  97-179/02:34:37.466
          0300300300000300290280280290280320340310310320300290326360001260 11BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
C9INNSPEC_01C9INNSPEC_01AFJ04018637:00:004018639:00:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 360MPW  97-179/02:45:14.800  97-179/02:47:16.133
          0300300300000300290280280290280320340310310320300290326360001260 11BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
C9JNGRS07501C9JNGRS07501AFK04018754:00:004018757:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  40LPU  97-179/04:43:32.733  97-179/04:46:52.733
          0000000000000000000000000000000000000000000000000507040001 70100400011DD80011BD80011BD80011BD80011B9800100000

C9JNGRS07502C9JNGRS07502AFL04018808:00:004018811:26:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  40LPU  97-179/05:38:08.733  97-179/05:41:28.733
          0000000000000000000000000000000000000000000000000507040001 70100400011DD80011BD80011BD80011BD80011B9800100000

C9JNGRS07504C9JNGRS07504AFN04018872:00:004018875:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  40LPU  97-179/06:42:51.400  97-179/06:46:11.400
          0000000000000000000000000000000000000000000000000507040001 70100400011DD80011BD80011BD80011BD80011B9800100000

C9INCHEMIS04C9INCHEMIS04AFO04018887:00:004018891:86:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 228LPU  97-179/06:58:01.400  97-179/07:03:01.400
          0300300300000300290280280290280320340310310320300290326228001260 102580011BDFF0102580011BDFF0102580011BDFF0102580011BD
FF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF01000000100000
C9JNGRS53M01C9JNGRS53M01AFP04018902:00:004018911:00:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 157LPU  97-179/07:13:11.400  97-179/07:22:17.400
          0000000000000000000000000000000000000000000000000032615700126010118301011 8B010118F010118F010118F010118F010118F01001
8F010018F010018F010018F010018F010018F010018F010018F010018F010018F010019F010019F010219F010219F010211F010211F010211F01000000100000
C9JNGRS5UM01C9JNGRS5UM01AFR04018954:00:004018963:00:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 157LPU  97-179/08:05:46.066  97-179/08:14:52.066
          0000000000000000000000000000000000000000000000000032615700126010118301011 8B010118F010118F010118F010118F010118F01001
8F010018F010018F010018F010018F010018F010018F010018F010018F010018F010019F010019F010219F010219F010211F010211F010211F01000000100000
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C9JNAURMAP03C9JNAURMAP03RLE04018988:00:004018990:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-179/08:40:08.7331997-179/08:42:18.066
          0000000000000000000000000000000000000000000000000301408000 2241FFFF0200000

C9JNFEA08501C9JNFEA08501AFS04019053:00:004019056:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  40LPU  97-179/09:45:52.066  97-179/09:49:12.066
          0000000000000000000000000000000000000000000000000507040001 70100400011DD80011BD80011BD80011BD80011B9800100000

C9JNTHRCYL03C9JNTHRCYL03AFT04019061:00:004019080:53:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 127LPU  97-179/09:53:57.400  97-179/10:13:45.400
          0000000000000000000000000000000000000000000000000032612700126010018701001870100187010018701001870100187010018701001
8701001870100187010018701001870100187010018701001870100187010018701001870100187010018F010018F010018F010018F010018F010018F010018F01000000100000
C9JNFEA08502C9JNFEA08502AFV04019097:00:004019100:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  40LPU  97-179/10:30:21.400  97-179/10:33:41.400
          0000000000000000000000000000000000000000000000000507040001 70100400011DD80011BD80011BD80011BD80011B9800100000

C9JNTHRCYL04C9JNTHRCYL04AFW04019105:00:004019124:53:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 127LPU  97-179/10:38:26.733  97-179/10:58:14.733
          0000000000000000000000000000000000000000000000000032612700126010018701001870100187010018701001870100187010018701001
8701001870100187010018701001870100187010018701001870100187010018701001870100187010018F010018F010018F010018F010018F010018F010018F01000000100000
C9JNFEA08503C9JNFEA08503AFY04019146:00:004019149:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  40LPU  97-179/11:19:54.066  97-179/11:23:14.066
          0000000000000000000000000000000000000000000000000507040001 70100400011DD80011BD80011BD80011BD80011B9800100000

C9JNFEA08504C9JNFEA08504AFZ04019164:00:004019167:26:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  40LPU  97-179/11:38:06.066  97-179/11:41:26.066
          0000000000000000000000000000000000000000000000000507040001 70100400011DD80011BD80011BD80011BD80011B9800100000

C9HNDARK__04C9HNDARK__04ALB04019203:00:004019203:90:01         SKY      3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 252LPU  97-179/12:17:32.066  97-179/12:18:32.066
          0000000000000000000000000000000000000000000000000032625200126011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FF
FF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFF801000000100000010000001000000100000010000001000000100000010000001000000100000
C9JNFEA53M01C9JNFEA53M01ALC04019209:00:004019220:63:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 157LPU  97-179/12:23:36.066  97-179/12:35:26.066
          0000000000000000000000000000000000000000000000000032615700126010118301011 8B010118F010118F010118F010118F010118F01001
8F010018F010018F010018F010018F010018F010018F010018F010018F010018F010019F010019F010219F010219F010211F010211F010211F01000000100000
C9JNFEA5UM01C9JNFEA5UM01ALD04019254:00:004019262:86:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 157LPU  97-179/13:09:06.066  97-179/13:18:09.400
          0000000000000000000000000000000000000000000000000032615700126010118301011 8B010118F010118F010118F010118F010118F01001
8F010018F010018F010018F010018F010018F010018F010018F010018F010018F010019F010019F010219F010219F010211F010211F010211F01000000100000
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C9JNTHRCYL06C9JNTHRCYL06ALQ04019268:00:004019289:86:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 127LPU  97-179/13:23:15.400  97-179/13:45:27.400
          0000000000000000000000000000000000000000000000000000000032612700126010018701001870100187010018701001870100187010018701001
870100187010018701001870100187010018701001870100187010018701001870100187010018F010018F010018F010018F010018F010018F010018F01000000100000
C9JNAURVAR01C9JNAURVAR01RLG04019313:00:004019317:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-179/14:08:45.4001997-179/14:12:56.066
          0000000000000000000000000000000000000000000000000000301408000 2241FFFF0200000

C9JNTHRCYL07C9JNTHRCYL07ALF04019369:00:004019390:22:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 127LPU  97-179/15:05:22.733  97-179/15:26:51.400
          0000000000000000000000000000000000000000000000000000032612700126010018701001870100187010018701001870100187010018701001
870100187010018701001870100187010018701001870100187010018701001870100187010018F010018F010018F010018F010018F010018F010018F01000000100000
C9JNGRS09501C9JNGRS09501ALG04019402:00:004019405:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-179/15:38:44.733  97-179/15:42:04.733
          0000000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNGRS09502C9JNGRS09502ALI04019431:00:004019437:29:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-179/16:08:04.066  97-179/16:14:28.066
          0000000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9INCHEMIS06C9INCHEMIS06ALK04019584:00:004019586:51:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 228LPU  97-179/18:42:46.066  97-179/18:45:21.400
          0300300300000300290280280290280320340310310320300290326228001260102580011BDFF0102580011BDFF0102580011BDFF0102580011BD
FF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF01000000100000
C9JNFEA10201C9JNFEA10201ALQ04019720:00:004019723:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-179/21:00:16.733  97-179/21:03:36.733
          0000000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNFEA10202C9JNFEA10202ALR04019760:00:004019763:27:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-179/21:40:43.400  97-179/21:44:03.400
          0000000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNAUCAMB01C9JNAUCAMB01ADZ04027849:00:004027854:00:01         JUPITER  1414 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                 126LPU  97-185/13:59:34.533  97-185/14:04:37.866
          0000000000000000000000000000000000000000000000000000011312600113010 3DFC0103DFC0103DFC0103DFC0103DFC0103DFC0103DF80103D
F80103DF80103DF80103DF80103DF80100000
C9JNAURRTB01C9JNAURRTB01RLZ04027863:00:004027867:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-185/14:13:43.8661997-185/14:17:54.533
          0000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

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C9HNSTRCAL01C9HNSTRCAL01REP04027873:00:004027873:12:01         SKY      7414 1 1 0 0 012 1 1 0 0 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/14:23:50.5331997-185/14:23:58.533
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL02C9HNSTRCAL01REP04027874:00:004027874:12:01         SKY      7414 1 1 0 1 012 1 1 0 1 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/14:24:51.2001997-185/14:24:59.200
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL03C9HNSTRCAL01REP04027875:00:004027875:12:01         SKY      7414 1 1 0 2 012 1 1 0 2 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/14:25:51.8661997-185/14:25:59.866
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL04C9HNSTRCAL01REP04027876:00:004027876:12:01         SKY      7414 1 1 0 3 012 1 1 0 3 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/14:26:52.5331997-185/14:27:00.533
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL05C9HNSTRCAL01REP04027877:00:004027877:12:01         SKY      7414 1 1 0 4 012 1 1 0 4 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/14:27:53.2001997-185/14:28:01.200
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL06C9HNSTRCAL01REP04027878:00:004027878:12:01         SKY      7414 1 1 0 5 012 1 1 0 5 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/14:28:53.8661997-185/14:29:01.866
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL07C9HNSTRCAL01REP04027879:00:004027879:12:01         SKY      7414 1 1 0 6 012 1 1 0 6 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/14:29:54.5331997-185/14:30:02.533
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL08C9HNSTRCAL01REP04027880:00:004027880:12:01         SKY      7414 1 1 0 7 012 1 1 0 7 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/14:30:55.2001997-185/14:31:03.200
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL09C9HNSTRCAL01REP04027881:00:004027881:12:01         SKY      7414 1 1 0 8 012 1 1 0 8 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/14:31:55.8661997-185/14:32:03.866
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL10C9HNSTRCAL01REP04027882:00:004027882:90:01         SKY      7414 1 1 0 9 012 1 1 0 9 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/14:32:56.5331997-185/14:33:04.533
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

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C9HNSTRCAL11C9HNSTRCAL01REP04027883:00:004027883:90:01         SKY      7414 1 1 010 012 1 1 010 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/14:33:57.2001997-185/14:34:05.200
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL12C9HNSTRCAL01REP04027884:00:004027884:12:01         SKY      7414 1 1 011 012 1 1 011 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/14:34:57.8661997-185/14:35:05.866
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9JNAURRTB02C9JNAURRTB02RMU04027893:00:004027897:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-185/14:44:03.8661997-185/14:48:14.533
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

C9JNAURRTB03C9JNAURRTB03RMV04027923:00:004027927:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-185/15:14:23.8661997-185/15:18:34.533
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

C9JNAURRTB04C9JNAURRTB04RDB04027943:00:004027947:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-185/15:34:37.2001997-185/15:38:47.866
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

C9HNSTRCAL13C9HNSTRCAL02RDA04027953:00:004027953:12:01         SKY      7414 1 1 012 012 1 1 012 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/15:44:43.8661997-185/15:44:51.866
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL14C9HNSTRCAL02RDA04027954:00:004027954:12:01         SKY      7414 1 1 013 012 1 1 013 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/15:45:44.5331997-185/15:45:52.533
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL15C9HNSTRCAL02RDA04027955:00:004027955:12:01         SKY      7414 1 1 014 012 1 1 014 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/15:46:45.2001997-185/15:46:53.200
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL16C9HNSTRCAL02RDA04027956:00:004027956:12:01         SKY      7414 1 1 015 012 1 1 015 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/15:47:45.8661997-185/15:47:53.866
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL17C9HNSTRCAL02RDA04027957:00:004027957:12:01         SKY      7414 1 1 016 012 1 1 016 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/15:48:46.5331997-185/15:48:54.533
          000000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

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C9HNSTRCAL18C9HNSTRCAL02RDA04027958:00:004027958:12:01         SKY      7414 1 1 017 012 1 1 017 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/15:49:47.2001997-185/15:49:55.200
          00000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL19C9HNSTRCAL02RDA04027959:00:004027959:12:01         SKY      7414 1 1 018 012 1 1 018 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/15:50:47.8661997-185/15:50:55.866
          00000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL20C9HNSTRCAL02RDA04027960:00:004027960:12:01         SKY      7414 1 1 019 012 1 1 019 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/15:51:48.5331997-185/15:51:56.533
          00000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL21C9HNSTRCAL02RDA04027961:00:004027961:12:01         SKY      7414 1 1 020 012 1 1 020 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/15:52:49.2001997-185/15:52:57.200
          00000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL22C9HNSTRCAL02RDA04027962:00:004027962:12:01         SKY      7414 1 1 021 012 1 1 021 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/15:53:49.8661997-185/15:53:57.866
          00000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL23C9HNSTRCAL02RDA04027963:00:004027963:12:01         SKY      7414 1 1 022 012 1 1 022 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/15:54:50.5331997-185/15:54:58.533
          00000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9HNSTRCAL24C9HNSTRCAL02RDA04027964:00:004027964:28:01         SKY      7414 1 1 023 012 1 1 023 01200100 1101111011 0 0.00.0000
0000000                  17RT 1997-185/15:55:51.2001997-185/15:55:59.866
          00000000000000000000000000000000000000000000000000702204000 2121FFFF0100000

C9JNAURRTB05C9JNAURRTB05RMX04027973:00:004027977:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-185/16:04:57.2001997-185/16:09:07.866
          00000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

C9JNAUCAMB02C9JNAUCAMB02AMT04027984:00:004027989:00:01         JUPITER  1414 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                  126LPU  97-185/16:16:04.533  97-185/16:21:07.866
          00000000000000000000000000000000000000000000000000011312600113010 3DFC0103DFC0103DFC0103DFC0103DFC0103DFC0103DF80103D
F80103DF80103DF80103DF80103DF80100000
C9NNRCTRLT01LSNNRCTRTA01RXU04041131:00:004041131:12:01         CAL      3114 1 1 1 0 124 1 1 1 0 12400100 1101111011 0 0.00.0000
0000000                  252RT 1997-194/21:49:08.7331997-194/21:49:16.733
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

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C9NNRCTRLT01LSNNRCTRTA01SXU04041137:00:004041138:12:01         CAL      3114 1 1 1 0 124 1 1 1 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-194/21:55:02.7331997-194/21:56:21.400
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

C9NNRCTRLT01LSNNRCTRTA01TXU04041143:00:004041143:12:01         CAL      3114 1 1 1 0 124 1 1 1 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-194/22:00:76.7331997-194/22:01:24.733
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

C9NNPCTRLT01C9NNPCTRLT01RFT04041893:00:004041894:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-195/10:39:36.6661997-195/10:40:45.333
          00000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

C9NNPCTRLT01C9NNPCTRLT01SFT04041899:00:004041906:90:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-195/10:45:40.6661997-195/10:53:45.333
          00000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

C9NNPCTRLT01C9NNPCTRLT01TFT04041907:00:004041908:12:01         CAL      3414 1 1 1 0 124 1 1 1 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-195/10:53:46.0001997-195/10:54:54.666
          00000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

C9NNRCTRLT02LSNNRCTRTB01RXI04081944:00:004081944:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-223/13:35:35.8661997-223/13:35:43.866
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

C9NNRCTRLT02LSNNRCTRTB01SXI04081950:00:004081951:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-223/13:41:39.8661997-223/13:42:48.533
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

C9NNRCTRLT02LSNNRCTRTB01TXI04081956:00:004081956:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-223/13:47:43.8661997-223/13:47:51.866
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

C9JNGRS15601C9JNGRS15601ALJ04115205:00:004115205:75:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-246/22:06:08.666  97-246/22:06:58.666
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNSOU15601C9JNSOU15601ALL04115211:00:004115211:75:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-246/22:12:12.666  97-246/22:13:02.666
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

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C9JNNOR15601C9JNNOR15601ALM04115217:00:004115217:74:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-246/22:18:16.666  97-246/22:19:06.666
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9RNMRING_01C9RNMRING_01ADZ04115263:00:004115266:87:01         RING     1414 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                 108LPU  97-246/23:04:47.333  97-246/23:08:47.333
          00000000000000000000000000000000000000000000000000011312600013011BDFF010BC80011BDFF010BC80011BDFF010BC80011BDFF010BC
80011BDFF010BC80011BDFF010BC800100000
C9JNFEA15601C9JNFEA15601ALO04115298:00:004115298:75:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-246/23:40:10.666  97-246/23:41:00.666
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9NNOPCAL_01C9NNOPCAL_01RDA04124590:00:004124592:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12401100 1101111011 0 0.00.0000
0000000                 048RT 1997-253/12:15:25.0001997-253/12:17:34.333
          00000000000000000000000000000000000000000000000000302048000 224180000200000

C9JNFEA14501C9JNFEA14501ALP04124633:00:004124633:75:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-253/12:58:53.666  97-253/12:59:43.666
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNFEA14502C9JNFEA14502ALS04124641:00:004124641:75:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-253/13:06:59.000  97-253/13:07:49.000
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNGRS14501C9JNGRS14501AFB04124648:00:004124648:75:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-253/13:14:03.666  97-253/13:14:53.666
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNGRS14502C9JNGRS14502ALU04124656:00:004124656:75:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-253/13:22:09.000  97-253/13:22:59.000
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNFEA14503C9JNFEA14503AMG04124662:00:004124662:75:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-253/13:28:13.000  97-253/13:29:03.000
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNSOU14501C9JNSOU14501AMH04124665:00:004124665:75:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-253/13:31:15.000  97-253/13:32:05.000
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

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C9JNNOR14501C9JNNOR14501ALZ04124670:00:004124670:75:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-253/13:36:18.333  97-253/13:37:08.333
          00000000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

C9JNEQU14501C9JNEQU14501AMA04124676:00:004124676:72:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-253/13:42:22.333  97-253/13:43:10.333
          00000000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

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