Chapter 4 - NIMS Observation Summaries

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Introduction to Chapter 4

This chapter summarizes the NIMS E4 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 E4 Sequence. The information in this summary is derived from the E4 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 E4 data. It is also derived from the E4 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

			Sequence:	E04A-AR		Created: 1/20/97	Begin: 96-350/00:00:00 Finish: 96-357/13:00:00				
Line	**YR**	**DOY**	**SCET - GMT**	**PSID**	**Command**	**Parameters**	**Description**	**GCM**	**GO**	**GS**	**RIM MF I**
1	**96**	**350**	**00:00:00.000**	**20A3FF**	**40T2**	**Initial Condition**	**PCT Heater 2 ON**	**260**	**4**	**0**	**3,740,759:10:6**
2	**96**	**350**	**00:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**260**	**4**	**0**	**3,740,759:10:6**
3	**96**	**350**	**00:00:00.000**	**20A3FE**	**40T1P**	**Initial Condition**	**PCT Heater 1 ON (primary relay)**	**260**	**4**	**0**	**3,740,759:10:6**
4	**96**	**350**	**00:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**260**	**4**	**0**	**3,740,759:10:6**
5	**96**	**350**	**00:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**260**	**4**	**0**	**3,740,759:10:6**
6	**96**	**350**	**00:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**260**	**4**	**0**	**3,740,759:10:6**
7	**96**	**350**	**00:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**260**	**4**	**0**	**3,740,759:10:6**
8	**96**	**350**	**00:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**260**	**4**	**0**	**3,740,759:10:6**
9	**96**	**350**	**00:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**260**	**4**	**0**	**3,740,759:10:6**
10	96	350	00:00:00.266		DMS:	: READY	RDY, TRACK 3, FWD, TIC 201.62 +/-	260	4	0	3,740,759:11:0
11	**96**	**350**	**00:01:52.933**	**432JA6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**260**	**4**	**0**	**3,740,760:89:0**
12	96	350	00:01:53.600	432JA431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	260	4	0	3,740,760:90:0
13	**96**	**350**	**00:01:54.266**	**432JA6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**260**	**4**	**0**	**3,740,761:00:0**
14	96	350	00:01:54.266	432JA6C	6RTSL1		R/T Select of DDS and	260	4	0	3,740,761:00:0
15	96	350	00:02:02.266	488A6A	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	260	4	0	3,740,761:12:0
16	**96**	**350**	**00:02:10.266**	**432A6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**260**	**4**	**0**	**3,740,761:24:0**
17	96	350	00:03:00.266	418SA6B	6BUFHI	10	MUB Buffer high water	260	4	0	3,740,762:08:0
18	96	350	00:03:00.266	418SA6A	6BUFLO	2	MUB Buffer low water m	260	4	0	3,740,762:08:0
19	96	350	00:07:56.933	165BA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	260	4	0	3,740,766:89:0
20	96	350	00:07:57.600	165BA4B	7SCAN	NORM,195.712999,	Check S/P Position	260	4	0	3,740,766:90:0
21	**96**	**350**	**00:21:56.000**	**E4NNOPCAL_01-**		**-----START------**		**260**	**4**	**0**	**: :**
22	**96**	**350**	**00:22:02.266**	**31A4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**3,740,780:83:0**
23	**96**	**350**	**00:23:02.933**	**31A4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,740,781:83:0**
24	**96**	**350**	**00:24:03.600**	**31A4C**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,740,782:83:0**
25	**96**	**350**	**00:24:04.266**	**31A4D**	**37ETB**	**07,C7,31,87,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,740,782:84:0**
26	**96**	**350**	**00:25:04.266**	**31A4E**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**3,740,783:83:0**
27	**96**	**350**	**00:27:05.600**	**31A4F**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**3,740,785:83:0**
28	**96**	**350**	**00:29:06.933**	**31A4G**	**37IST**	**0,2,1,ON,0,0,1**	**ECAL**	**4R3**	**4**	**0**	**3,740,787:83:0**
29	**96**	**350**	**00:30:08.000**	**E4NNOPCAL_01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
30	96	350	02:20:38.933	488A6B	6TMSED	FILL,EL6	Sci, Eng, and D/L Chan	4R3	4	0	3,740,898:20:0
31	**96**	**350**	**02:33:38.000**	**E4NNSHDOFF01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
32	96	350	02:34:17.600	488A6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	3,740,911:65:0
33	**96**	**350**	**02:35:39.600**	**20DA3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,740,913:06:0**
34	**96**	**350**	**02:35:43.600**	**20DA3B**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,740,913:12:0**
35	**96**	**350**	**02:35:49.600**	**20DA3C**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,740,913:21:0**
36	**96**	**350**	**02:35:53.600**	**20DA3D**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,740,913:27:0**
37	**96**	**350**	**02:35:59.600**	**20DA3E**	**40T2**	**1**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,740,913:36:0**
38	**96**	**350**	**02:36:03.600**	**20DA3F**	**40T2**	**2**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,740,913:42:0**
39	**96**	**350**	**02:37:40.667**	**E4NNSHDOFF01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
40	96	350	07:00:00.200	488B6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4R3	4	0	3,741,174:46:0
41	96	350	07:12:58.200	488B6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,741,187:30:0
42	96	350	08:48:58.200	488B6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,741,282:25:0
43	96	350	09:06:07.533	488B6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,741,299:22:0
44	96	350	09:20:58.200	488B6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,741,313:84:0
45	96	350	09:57:14.200	488C6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,741,349:72:0
46	96	350	10:20:40.866	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	3,741,372:89:0
47	96	350	10:20:50.866	488C6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,741,373:13:0
48	96	350	10:23:50.866	20YC6A	6HICON			4R3	4	0	3,741,376:10:0
49	96	350	10:24:44.866	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4R3	4	0	3,741,377:00:0
50	96	350	10:30:00.200	20OA6A	6HICON			4R3	4	0	3,741,382:18:0
51	96	350	10:35:00.200	432OI6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,741,387:13:0
52	96	350	12:00:04.866	20KA4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R3	4	0	3,741,471:26:0
53	96	350	12:05:14.200	488C6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,741,476:35:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	96	350	13:30:20.200	444UA443A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4R3	4	0	3,741,560:50:0	
55	96	350	14:34:34.200	488C6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,741,624:07:0	
56	96	350	15:59:25.533		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 201.62 +/-	4R3	4	0	3,741,708:00:0	
57	96	350	15:59:25.533	465KI6A	6DMST	1750	DMS Slew to TIC	4R3	4	0	3,741,708:00:0	
58	96	350	16:04:27.533	165AA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,741,712:89:0	
59	96	350	16:04:28.200	165AA4B	7SCAN	NORM,209.109999,	Check S/P Position	4R3	4	0	3,741,712:90:0	
60	96	350	16:08:30.200	165AA4C	7VECT		Inert vect update UTC	4R3	4	0	3,741,716:89:0	
61	96	350	16:08:30.866	165AA4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	4R3	4	0	3,741,716:90:0	
62	96	350	16:29:46.200	488D6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,741,738:01:0	
63	96	350	17:40:10.200	488D6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,741,807:58:0	
64	96	350	17:59:44.866	465KJ6A	6DMSC	RDY,4	DMS Control Tape stop	4R3	4	0	3,741,827:00:0	
65	96	350	18:23:12.200	488D6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,741,850:18:0	
66	96	350	19:20:29.533	488D6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,741,906:78:0	
67	96	350	20:41:30.200	488D6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,741,986:89:0	
68	96	350	21:13:30.200	488E6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,742,018:57:0	
69	96	350	21:45:00.200	488E6B	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	4R3	4	0	3,742,049:71:0	
70	96	350	22:51:38.200	488E6C	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	4R3	4	0	3,742,115:62:0	
71	96	351	02:00:00.200	488E6D	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	3,742,301:89:0	
72	96	351	02:15:41.533	488E6E	6TMSED	FILL,EL6	Sci, Eng, and D/L Chan	4R3	4	0	3,742,317:45:0	
73	96	351	02:20:00.200	41VA99A	**POWER**	PWR MODE change	Change to Maneuver Mode	4R3	4	0	3,742,321:69:0	
74	**96**	**351**	**02:20:04.200**	**41VA3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,742,321:75:0**	
75	**96**	**351**	**02:20:14.200**	**41VA3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,742,321:90:0**	
76	**96**	**351**	**02:22:24.200**	**41VA3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,742,324:12:0**	
77	**96**	**351**	**02:22:34.200**	**41VA3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,742,324:27:0**	
78	**96**	**351**	**02:22:44.200**	**41VA3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,742,324:42:0**	
79	**96**	**351**	**02:22:54.200**	**41VA3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,742,324:57:0**	
80	96	351	02:23:00.200	488F6A	6TMSED	FILL,EH6	Sci, Eng, and D/L Chan	4R3	4	0	3,742,324:66:0	
81	96	351	02:29:20.866	488F6B	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	4R3	4	0	3,742,331:00:0	
82	96	351	02:44:00.200	474AA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4R3	4	0	3,742,345:45:0	
83	96	351	02:46:00.200	474AA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R3	4	0	3,742,347:43:0	
84	96	351	02:50:14.200	474AA416A4E	7BURN	Z,124.3103,-65.8	ALERT -- Thruster fire	4R3	4	0	3,742,351:60:0	
85	96	351	03:13:08.200	474AA416A4G	7BURN	,124.3103,-65.83	ALERT -- Thruster fire	4R3	4	0	3,742,374:28:0	
86	96	351	06:13:14.200	488F6C	6TMSED	NORM,EH5	Sci, Eng, and D/L Chan	4R3	4	0	3,742,552:39:0	
87	96	351	07:27:54.200	488F6D	6TMSED	NORM,EH4	Sci, Eng, and D/L Chan	4R3	4	0	3,742,626:25:0	
88	96	351	07:30:00.200	488F6E	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R3	4	0	3,742,628:32:0	
89	96	351	07:30:00.200	41WA99A	**POWER**	PWR MODE change	Change to Data Taking Mode	4R3	4	0	3,742,628:32:0	
90	**96**	**351**	**07:30:04.200**	**41WA3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,742,628:38:0**	
91	**96**	**351**	**07:30:14.200**	**41WA3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,742,628:53:0**	
92	**96**	**351**	**07:30:24.200**	**41WA3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,742,628:68:0**	
93	**96**	**351**	**07:30:34.200**	**41WA3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,742,628:83:0**	
94	**96**	**351**	**07:30:44.200**	**41WA3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,742,629:07:0**	
95	**96**	**351**	**07:30:54.200**	**41WA3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,742,629:22:0**	
96	96	351	07:41:59.533	432OB431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	3,742,640:19:0	
97	96	351	07:42:00.200	432OB6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,742,640:20:0	
98	96	351	08:00:00.200	488G6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,742,658:02:0	
99	96	351	08:00:04.866	20KB4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R3	4	0	3,742,658:09:0	
100	96	351	08:27:38.200	488G6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,742,685:32:0	
101	96	351	09:03:42.866	488G6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,742,721:03:0	
102	96	351	09:03:54.200	488G6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,742,721:20:0	
103	96	351	10:00:16.800	165AB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,742,776:89:0	
104	96	351	10:00:17.466	165AB4B	7SCAN	NORM,215.776999,	Check S/P Position	4R3	4	0	3,742,776:90:0	
105	96	351	10:04:11.466	117AA	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,742,780:77:0	
106	96	351	10:04:20.800	117AA105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,742,781:00:0	
107	96	351	10:25:48.133	488G6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,742,802:20:0	
108	96	351	10:33:40.133	117AA105A106A4B	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,742,810:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	96	351	10:34:40.800	117AA105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,742,811:00:0	
110	96	351	11:04:00.133	117AA105A106A4D	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,742,840:00:0	
111	96	351	11:05:00.800	117AA105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,742,841:00:0	
112	96	351	11:34:20.133	117AA105A106A4F	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,742,870:00:0	
113	96	351	11:35:20.800	117AA105A106A4G	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,742,871:00:0	
114	96	351	12:04:40.133	117AA105A106B4A	7STRP	0.018002,0.0,0,0	Slew =12.01	4R3	4	0	3,742,900:00:0	
115	96	351	12:05:33.466	117AA105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,742,900:80:0	
116	96	351	12:05:38.800	117AA105A106C4A	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,742,900:88:0	
117	96	351	12:06:39.466	117AA105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,742,901:88:0	
118	96	351	12:35:58.800	117AA105A106C4C	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,742,930:88:0	
119	96	351	12:36:59.466	117AA105A106C4D	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,742,931:88:0	
120	96	351	13:06:18.800	117AA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,742,960:88:0	
121	96	351	16:19:06.133	488H6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,743,151:58:0	
122	96	351	17:46:34.133	488H6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,743,238:13:0	
123	96	351	18:23:15.466	488H6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,743,274:39:0	
124	96	351	19:20:32.133	488H6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,743,331:07:0	
125	96	351	20:41:30.133	488H6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,743,411:14:0	
126	96	351	21:13:30.133	488I6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,743,442:73:0	
127	96	351	21:30:00.133	488I6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	3,743,459:11:0	
128	96	351	22:12:19.466	165AJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,743,500:89:0	
129	96	351	22:12:20.133	165AJ4B	7SCAN	NORM,224.463999,	Check S/P Position	4R3	4	0	3,743,500:90:0	
130	96	351	22:16:14.133	117AB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,743,504:77:0	
131	96	351	22:16:23.466	117AB105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,743,505:00:0	
132	96	351	22:45:14.133	488I6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	3,743,533:48:0	
133	96	351	22:45:42.800	117AB105A106A4B	7STRP	0.006,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,743,534:00:0	
134	96	351	22:46:43.466	117AB105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,743,535:00:0	
135	96	351	23:16:02.800	117AB105A106A4D	7STRP	0.006,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,743,564:00:0	
136	96	351	23:17:03.466	117AB105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,743,565:00:0	
137	96	351	23:46:22.800	117AB105A106A4F	7STRP	0.006,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,743,594:00:0	
138	96	351	23:47:23.466	117AB105A106A4G	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,743,595:00:0	
139	96	352	00:16:42.800	117AB105A106A4H	7STRP	0.006,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,743,624:00:0	
140	96	352	00:17:43.466	117AB105A106A4I	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,743,625:00:0	
141	96	352	00:47:02.800	117AB105A106A4J	7STRP	0.006,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,743,654:00:0	
142	96	352	00:48:03.466	117AB105A106A4K	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,743,655:00:0	
143	96	352	00:59:38.133	488I6D	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	3,743,666:41:0	
144	96	352	01:17:22.800	117AB105A106A4L	7STRP	0.006,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,743,684:00:0	
145	96	352	01:18:23.466	117AB105A106A4M	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,743,685:00:0	
146	96	352	01:40:10.133	488I6E	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	3,743,706:49:0	
147	96	352	01:47:42.800	117AB105A106A4N	7STRP	0.006,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,743,714:00:0	
148	96	352	01:48:43.466	117AB105A106A4O	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,743,715:00:0	
149	96	352	02:15:43.466	488J6A	6TMSED	FILL,EL6	Sci, Eng, and D/L Chan	4R3	4	0	3,743,741:64:0	
150	96	352	02:18:02.800	117AB105A106A4P	7STRP	0.006,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,743,744:00:0	
151	96	352	02:19:03.466	117AB105A106A4Q	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,743,745:00:0	
152	96	352	02:20:38.133		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 201.62 +/-	4R3	4	0	3,743,746:51:0	
153	96	352	02:29:22.800	488J6B	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	3,743,755:19:0	
154	96	352	02:48:22.800	117AB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,743,774:00:0	
155	96	352	02:48:52.133	165AK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,743,774:44:0	
156	96	352	02:48:52.800	165AK4B	7SCAN	NORM,231.0,-21.0	Check S/P Position	4R3	4	0	3,743,774:45:0	
157	**96**	**352**	**03:01:35.333**	**E4NNCHOPON01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
158	**96**	**352**	**03:04:28.800**	**125DN4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**463**	**4**	**0**	**3,743,789:84:0**	
159	96	352	03:04:28.800	125DN	NIMSINIT	GS	##### GROUP START INIT	463	4	0	3,743,789:84:0	
160	**96**	**352**	**03:05:29.466**	**125DN4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**4R3**	**4**	**0**	**3,743,790:84:0**	
161	96	352	03:06:30.133	125DN11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,743,791:84:0	
162	**96**	**352**	**03:06:30.133**	**125DN4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,743,791:84:0**	
163	**96**	**352**	**03:11:42.000**	**E4NNCHOPON01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	**96**	**352**	**03:21:48.666**	**E4JNGLOMOS01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
165	96	352	03:22:44.133	165DA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,743,807:89:0	
166	96	352	03:22:44.800	165DA4B	7SCAN	NORM,227.467999,	Check S/P Position	4R3	4	0	3,743,807:90:0	
167	96	352	03:23:43.466	176DA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,743,808:87:0	
168	**96**	**352**	**03:24:42.133**	**125DA4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,743,809:84:0**	
169	96	352	03:24:42.133	125DA	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,743,809:84:0	
170	96	352	03:24:42.133	125DA11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,743,809:84:0	
171	**96**	**352**	**03:25:42.800**	**127DA4A**	**37IOP**	**7,5**	**Fixed Map, Grating Start Position =05**	**2R7**	**4**	**5**	**3,743,810:84:0**	
172	96	352	03:25:42.800	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	5	3,743,810:84:0	
173	**96**	**352**	**03:25:43.466**	**127DA4B**	**37ETB**	**07,C7,19,1F,E1,0**	**Loads wavelength edit table**	**2R7**	**4**	**5**	**3,743,810:85:0**	
174	96	352	03:25:51.466	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	5	3,743,811:06:0	
175	96	352	03:26:35.466	175DA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,743,811:72:0	
176	96	352	03:26:38.800	117DA	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	5	3,743,811:77:0	
177	96	352	03:26:44.800	175DA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	5	3,743,811:86:0	
178	**96**	**352**	**03:26:47.727**	**E4JNGLOMOS01-**	**NIMPBK**	**301DC**	**JUPITER GLOBAL MOSAIC PRT 1**	**2R7**	**4**	**5**	**: :**	
179	96	352	03:26:48.133	117DA105A106A4A	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,812:00:0	
180	96	352	03:27:45.466	117DA105A106A4B	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,812:86:0	
181	96	352	03:27:55.466	117DA105A106A4C	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,813:10:0	
182	**96**	**352**	**03:28:21.060**	**E4JNGLOMOS01-**	**DESELC**	**300DC**	**JUPITER GLOBAL MOSAIC PRT 1**	**2R7**	**4**	**5**	**: :**	
183	96	352	03:28:52.800	117DA105A106A4D	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,814:05:0	
184	96	352	03:29:02.800	117DA105A106A4E	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,814:20:0	
185	96	352	03:30:00.133	117DA105A106A4F	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,815:15:0	
186	96	352	03:30:10.133	117DA105A106A4G	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,815:30:0	
187	96	352	03:31:07.466	117DA105A106A4H	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,816:25:0	
188	96	352	03:31:17.466	117DA105A106A4I	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,816:40:0	
189	96	352	03:31:26.800	175DA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,743,816:54:0	
190	96	352	03:31:26.800	175DA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,743,816:54:0	
191	96	352	03:32:14.800	117DA105A106A4J	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,817:35:0	
192	96	352	03:32:24.800	117DA105A106A4K	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,817:50:0	
193	96	352	03:33:22.133	117DA105A106A4L	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,818:45:0	
194	96	352	03:33:32.133	117DA105A106A4M	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,818:60:0	
195	96	352	03:34:29.466	117DA105A106A4N	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,819:55:0	
196	96	352	03:34:39.466	117DA105A106A4O	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,819:70:0	
197	96	352	03:35:36.800	117DA105A106A4P	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,820:65:0	
198	96	352	03:35:46.800	117DA105A106A4Q	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,820:80:0	
199	96	352	03:36:44.133	117DA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	5	3,743,821:75:0	
200	**96**	**352**	**03:36:49.333**	**E4JNGLOMOS01-**		**-----STOP-------**		**2R7**	**4**	**5**	**: :**	
201	96	352	03:43:54.133	488J6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R7	4	5	3,743,828:83:0	
202	**96**	**352**	**04:59:53.333**	**E4JNGLOMOS02-**		**-----START------**		**2R7**	**4**	**5**	**: :**	
203	96	352	05:00:48.800	165DB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,743,904:89:0	
204	96	352	05:00:49.466	165DB4B	7SCAN	NORM,228.786999,	Check S/P Position	2R7	4	5	3,743,904:90:0	
205	96	352	05:03:47.466	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	5	3,743,907:84:0	
206	**96**	**352**	**05:03:47.466**	**127DB4A**	**37IOP**	**7,5**	**Fixed Map, Grating Start Position =05**	**2R7**	**4**	**5**	**3,743,907:84:0**	
207	**96**	**352**	**05:03:48.133**	**127DB4B**	**37ETB**	**07,C7,19,1F,E1,0**	**Loads wavelength edit table**	**2R7**	**4**	**5**	**3,743,907:85:0**	
208	96	352	05:03:56.133	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	5	3,743,908:06:0	
209	96	352	05:04:40.133	175DB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,743,908:72:0	
210	96	352	05:04:43.466	117DB	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	5	3,743,908:77:0	
211	96	352	05:04:48.200		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1751.39 +/-	2R7	4	5	3,743,908:84:1	
212	96	352	05:04:49.466	175DB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	5	3,743,908:86:0	
213	96	352	05:04:49.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1751.28 +/-	2R7	4	5	3,743,908:86:3	
214	96	352	05:04:49.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1751.28 +/-	2R7	4	5	3,743,908:86:3	
215	**96**	**352**	**05:04:52.389**	**E4JNGLOMOS02-**	**NIMPBK**	**301DD**	**JUPITER GLOBAL MOSAIC PRT 2**	**2R7**	**4**	**5**	**: :**	
216	96	352	05:04:52.800	117DB105A106A4A	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,909:00:0	
217	96	352	05:05:50.133	117DB105A106A4B	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,909:86:0	
218	96	352	05:06:00.133	117DB105A106A4C	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,910:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	**96**	**352**	**05:06:17.056**	**E4JNGLOMOS02-**	**NIMPBK**	**301DI**	**JUPITER GLOBAL MOSAIC PRT 2**	**2R7**	**4**	**5**	**: :**	
220	**96**	**352**	**05:06:55.056**	**E4JNGLOMOS02-**	**DESELC**	**300DI**	**JUPITER GLOBAL MOSAIC PRT 2**	**2R7**	**4**	**5**	**: :**	
221	96	352	05:06:57.466	117DB105A106A4D	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,911:05:0	
222	96	352	05:07:07.466	117DB105A106A4E	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,911:20:0	
223	**96**	**352**	**05:07:15.056**	**E4JNGLOMOS02-**	**NIMPBK**	**301DF**	**JUPITER GLOBAL MOSAIC PRT 2**	**2R7**	**4**	**5**	**: :**	
224	**96**	**352**	**05:07:27.723**	**E4JNGLOMOS02-**	**DESELC**	**300DF**	**JUPITER GLOBAL MOSAIC PRT 2**	**2R7**	**4**	**5**	**: :**	
225	96	352	05:08:04.800	117DB105A106A4F	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,912:15:0	
226	96	352	05:08:14.800	117DB105A106A4G	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,912:30:0	
227	96	352	05:09:12.133	117DB105A106A4H	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,913:25:0	
228	**96**	**352**	**05:09:21.723**	**E4JNGLOMOS02-**	**DESELC**	**300DD**	**JUPITER GLOBAL MOSAIC PRT 2**	**2R7**	**4**	**5**	**: :**	
229	96	352	05:09:22.133	117DB105A106A4I	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,913:40:0	
230	96	352	05:09:31.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1685.23 +/-	2R7	4	5	3,743,913:54:0	
231	96	352	05:09:31.466	175DB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,743,913:54:0	
232	96	352	05:09:31.466	175DB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,743,913:54:0	
233	96	352	05:10:19.466	117DB105A106A4J	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,914:35:0	
234	96	352	05:10:29.466	117DB105A106A4K	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,914:50:0	
235	96	352	05:11:26.800	117DB105A106A4L	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,915:45:0	
236	96	352	05:11:36.800	117DB105A106A4M	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,915:60:0	
237	96	352	05:12:34.133	117DB105A106A4N	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,916:55:0	
238	96	352	05:12:44.133	117DB105A106A4O	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,916:70:0	
239	96	352	05:13:41.466	117DB105A106A4P	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,917:65:0	
240	96	352	05:13:51.466	117DB105A106A4Q	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,917:80:0	
241	96	352	05:14:48.800	117DB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	5	3,743,918:75:0	
242	**96**	**352**	**05:14:54.000**	**E4JNGLOMOS02-**		**-----STOP-------**		**2R7**	**4**	**5**	**: :**	
243	**96**	**352**	**06:03:35.333**	**E4JNGLOMOS03-**		**-----START------**		**2R7**	**4**	**5**	**: :**	
244	96	352	06:04:30.800	165DC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,743,967:89:0	
245	96	352	06:04:31.466	165DC4B	7SCAN	NORM,230.070999,	Check S/P Position	2R7	4	5	3,743,967:90:0	
246	96	352	06:07:29.466	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	5	3,743,970:84:0	
247	**96**	**352**	**06:07:29.466**	**127DC4A**	**37IOP**	**7,5**	**Fixed Map, Grating Start Position =05**	**2R7**	**4**	**5**	**3,743,970:84:0**	
248	**96**	**352**	**06:07:30.133**	**127DC4B**	**37ETB**	**07,C7,19,1F,E1,0**	**Loads wavelength edit table**	**2R7**	**4**	**5**	**3,743,970:85:0**	
249	96	352	06:07:38.133	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	5	3,743,971:06:0	
250	96	352	06:08:22.133	175DC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,743,971:72:0	
251	96	352	06:08:25.466	117DC	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	5	3,743,971:77:0	
252	96	352	06:08:30.200		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1686.56 +/-	2R7	4	5	3,743,971:84:1	
253	96	352	06:08:31.466	175DC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	5	3,743,971:86:0	
254	96	352	06:08:31.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1686.44 +/-	2R7	4	5	3,743,971:86:3	
255	96	352	06:08:31.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1686.44 +/-	2R7	4	5	3,743,971:86:3	
256	96	352	06:08:34.800	117DC105A106A4A	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,972:00:0	
257	96	352	06:09:32.133	117DC105A106A4B	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,972:86:0	
258	96	352	06:09:42.133	117DC105A106A4C	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,973:10:0	
259	96	352	06:10:39.466	117DC105A106A4D	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,974:05:0	
260	96	352	06:10:49.466	117DC105A106A4E	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,974:20:0	
261	96	352	06:11:46.800	117DC105A106A4F	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,975:15:0	
262	96	352	06:11:56.800	117DC105A106A4G	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,975:30:0	
263	96	352	06:12:54.133	117DC105A106A4H	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,976:25:0	
264	96	352	06:13:04.133	117DC105A106A4I	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,976:40:0	
265	96	352	06:13:13.466	175DC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,743,976:54:0	
266	96	352	06:13:13.466	175DC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,743,976:54:0	
267	96	352	06:13:13.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1620.40 +/-	2R7	4	5	3,743,976:54:0	
268	96	352	06:14:01.466	117DC105A106A4J	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,977:35:0	
269	96	352	06:14:11.466	117DC105A106A4K	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,977:50:0	
270	96	352	06:15:08.800	117DC105A106A4L	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,978:45:0	
271	96	352	06:15:18.800	117DC105A106A4M	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,978:60:0	
272	96	352	06:16:16.133	117DC105A106A4N	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,979:55:0	
273	96	352	06:16:26.133	117DC105A106A4O	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,979:70:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	96	352	06:17:23.466	117DC105A106A4P	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,743,980:65:0	
275	96	352	06:17:33.466	117DC105A106A4Q	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,743,980:80:0	
276	96	352	06:18:30.800	117DC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	5	3,743,981:75:0	
277	**96**	**352**	**06:18:36.000**	**E4JNGLOMOS03-**		**-----STOP-------**		**2R7**	**4**	**5**	**: :**	
278	96	352	06:45:00.133	488J6D	6TMSED	NORM,BL5	Sci, Eng, and D/L Chan	2R7	4	5	3,744,008:02:0	
279	96	352	07:27:54.133	488J6E	6TMSED	NORM,BL4	Sci, Eng, and D/L Chan	2R7	4	5	3,744,050:41:0	
280	96	352	08:08:26.133	488K6A	6TMSED	NORM,BL2	Sci, Eng, and D/L Chan	2R7	4	5	3,744,090:49:0	
281	96	352	08:13:27.466	488K6B	6TMSED	FILL,BL2	Sci, Eng, and D/L Chan	2R7	4	5	3,744,095:46:0	
282	**96**	**352**	**08:40:18.666**	**E4JNGLOMOS04-**		**-----START------**		**2R7**	**4**	**5**	**: :**	
283	96	352	08:41:14.133	165DD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,744,122:89:0	
284	96	352	08:41:14.800	165DD4B	7SCAN	NORM,231.868999,	Check S/P Position	2R7	4	5	3,744,122:90:0	
285	96	352	08:44:12.800	127DD	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	5	3,744,125:84:0	
286	**96**	**352**	**08:44:12.800**	**127DD4A**	**37IOP**	**7,5**	**Fixed Map, Grating Start Position =05**	**2R7**	**4**	**5**	**3,744,125:84:0**	
287	**96**	**352**	**08:44:13.466**	**127DD4B**	**37ETB**	**07,C7,19,1F,E1,0**	**Loads wavelength edit table**	**2R7**	**4**	**5**	**3,744,125:85:0**	
288	96	352	08:44:21.466	127DD11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	5	3,744,126:06:0	
289	96	352	08:45:05.466	175DD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,744,126:72:0	
290	96	352	08:45:08.800	117DD	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	5	3,744,126:77:0	
291	96	352	08:45:13.533		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1621.73 +/-	2R7	4	5	3,744,126:84:1	
292	96	352	08:45:14.800	175DD176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	5	3,744,126:86:0	
293	96	352	08:45:15.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1621.61 +/-	2R7	4	5	3,744,126:86:3	
294	96	352	08:45:15.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1621.61 +/-	2R7	4	5	3,744,126:86:3	
295	96	352	08:45:18.133	117DD105A106A4A	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,127:00:0	
296	96	352	08:46:15.466	117DD105A106A4B	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,127:86:0	
297	96	352	08:46:25.466	117DD105A106A4C	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,128:10:0	
298	96	352	08:47:22.800	117DD105A106A4D	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,129:05:0	
299	96	352	08:47:32.800	117DD105A106A4E	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,129:20:0	
300	96	352	08:48:30.133	117DD105A106A4F	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,130:15:0	
301	96	352	08:48:40.133	117DD105A106A4G	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,130:30:0	
302	96	352	08:49:37.466	117DD105A106A4H	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,131:25:0	
303	96	352	08:49:47.466	117DD105A106A4I	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,131:40:0	
304	96	352	08:49:56.800	175DD6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,744,131:54:0	
305	96	352	08:49:56.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1555.57 +/-	2R7	4	5	3,744,131:54:0	
306	96	352	08:49:56.800	175DD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,744,131:54:0	
307	96	352	08:50:44.800	117DD105A106A4J	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,132:35:0	
308	96	352	08:50:54.800	117DD105A106A4K	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,132:50:0	
309	96	352	08:51:52.133	117DD105A106A4L	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,133:45:0	
310	96	352	08:52:02.133	117DD105A106A4M	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,133:60:0	
311	96	352	08:52:59.466	117DD105A106A4N	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,134:55:0	
312	96	352	08:53:09.466	117DD105A106A4O	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,134:70:0	
313	96	352	08:54:06.800	117DD105A106A4P	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,135:65:0	
314	96	352	08:54:16.800	117DD105A106A4Q	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,135:80:0	
315	96	352	08:55:14.133	117DD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	5	3,744,136:75:0	
316	**96**	**352**	**08:55:19.333**	**E4JNGLOMOS04-**		**-----STOP-------**		**2R7**	**4**	**5**	**: :**	
317	96	352	09:30:46.800	165CI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,744,171:89:0	
318	96	352	09:30:47.466	165CI4B	7SCAN	NORM,225.838999,	Check S/P Position	2R7	4	5	3,744,171:90:0	
319	**96**	**352**	**10:20:24.666**	**E4JNGLOMOS05-**		**-----START------**		**2R7**	**4**	**5**	**: :**	
320	96	352	10:21:20.133	165DE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,744,221:89:0	
321	96	352	10:21:20.800	165DE4B	7SCAN	NORM,233.360998,	Check S/P Position	2R7	4	5	3,744,221:90:0	
322	**96**	**352**	**10:24:18.800**	**127DE4A**	**37IOP**	**7,5**	**Fixed Map, Grating Start Position =05**	**2R7**	**4**	**5**	**3,744,224:84:0**	
323	96	352	10:24:18.800	127DE	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	5	3,744,224:84:0	
324	**96**	**352**	**10:24:19.466**	**127DE4B**	**37ETB**	**07,C7,19,1F,E1,0**	**Loads wavelength edit table**	**2R7**	**4**	**5**	**3,744,224:85:0**	
325	96	352	10:24:27.466	127DE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	5	3,744,225:06:0	
326	96	352	10:25:11.466	175DE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,744,225:72:0	
327	96	352	10:25:14.800	117DE	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	5	3,744,225:77:0	
328	96	352	10:25:19.533		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1556.90 +/-	2R7	4	5	3,744,225:84:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	96	352	10:25:20.800	175DE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	5	3,744,225	86:0
330	96	352	10:25:21.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1556.78 +/-	2R7	4	5	3,744,225	86:3
331	96	352	10:25:21.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1556.78 +/-	2R7	4	5	3,744,225	86:3
332	96	352	10:25:24.133	117DE105A106A4A	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,226	00:0
333	96	352	10:26:21.466	117DE105A106A4B	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,226	86:0
334	96	352	10:26:31.466	117DE105A106A4C	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,227	10:0
335	96	352	10:27:28.800	117DE105A106A4D	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,228	05:0
336	96	352	10:27:38.800	117DE105A106A4E	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,228	20:0
337	96	352	10:28:36.133	117DE105A106A4F	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,229	15:0
338	96	352	10:28:46.133	117DE105A106A4G	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,229	30:0
339	96	352	10:29:43.466	117DE105A106A4H	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,230	25:0
340	96	352	10:29:53.466	117DE105A106A4I	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,230	40:0
341	96	352	10:30:02.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1490.73 +/-	2R7	4	5	3,744,230	54:0
342	96	352	10:30:02.800	175DE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,744,230	54:0
343	96	352	10:30:02.800	175DE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,744,230	54:0
344	96	352	10:30:50.800	117DE105A106A4J	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,231	35:0
345	96	352	10:31:00.800	117DE105A106A4K	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,231	50:0
346	96	352	10:31:58.133	117DE105A106A4L	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,232	45:0
347	96	352	10:32:08.133	117DE105A106A4M	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,232	60:0
348	96	352	10:33:05.466	117DE105A106A4N	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,233	55:0
349	96	352	10:33:15.466	117DE105A106A4O	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,233	70:0
350	96	352	10:34:12.800	117DE105A106A4P	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,234	65:0
351	96	352	10:34:22.800	117DE105A106A4Q	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,234	80:0
352	96	352	10:35:20.133	117DE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	5	3,744,235	75:0
353	**96**	**352**	**10:35:20.666**	**E4JNGLOMOS05-**		**-----STOP-------**		**2R7**	**4**	**5**	**: :**	
354	**96**	**352**	**10:35:24.667**	**E4NNHEALTH01-**		**-----START------**		**2R7**	**4**	**5**	**: :**	
355	96	352	10:35:26.133	125FY	NIMSINIT	GS	##### GROUP START INIT	2R7	4	5	3,744,235	84:0
356	96	352	10:35:26.133	125FY11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	5	3,744,235	84:0
357	**96**	**352**	**10:35:26.133**	**125FY4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R7**	**4**	**5**	**3,744,235**	**84:0**
358	96	352	10:35:44.800	488K6C	6TMSED	NORM,BL2	Sci, Eng, and D/L Chan	2R7	4	5	3,744,236	21:0
359	**96**	**352**	**10:36:26.800**	**127FY4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,744,236**	**84:0**
360	96	352	10:36:26.800	127FY	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,744,236	84:0
361	**96**	**352**	**10:36:27.466**	**127FY4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,744,236**	**85:0**
362	96	352	10:36:35.466	127FY11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,744,237	06:0
363	**96**	**352**	**10:36:51.466**	**432EA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,744,237**	**30:0**
364	**96**	**352**	**10:37:50.800**	**432EB6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,744,238**	**28:0**
365	**96**	**352**	**10:38:36.667**	**E4NNHEALTH01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
366	96	352	11:00:46.133	165CJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,744,260	89:0
367	96	352	11:00:46.800	165CJ4B	7SCAN	NORM,206.664,-12	Check S/P Position	2R3	4	0	3,744,260	90:0
368	**96**	**352**	**11:59:30.000**	**E4JNGLOMOS06-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
369	96	352	12:00:25.466	165DF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,744,319	89:0
370	96	352	12:00:26.133	165DF4B	7SCAN	NORM,234.789,-19	Check S/P Position	2R3	4	0	3,744,319	90:0
371	**96**	**352**	**12:03:24.133**	**127DF4A**	**37IOP**	**7,5**	**Fixed Map, Grating Start Position =05**	**2R7**	**4**	**5**	**3,744,322**	**84:0**
372	96	352	12:03:24.133	127DF	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	5	3,744,322	84:0
373	**96**	**352**	**12:03:24.800**	**127DF4B**	**37ETB**	**07,C7,19,1F,E1,0**	**Loads wavelength edit table**	**2R7**	**4**	**5**	**3,744,322**	**85:0**
374	96	352	12:03:32.800	127DF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	5	3,744,323	06:0
375	96	352	12:04:16.800	175DF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,744,323	72:0
376	96	352	12:04:20.133	117DF	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	5	3,744,323	77:0
377	96	352	12:04:24.866		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1492.07 +/-	2R7	4	5	3,744,323	84:1
378	96	352	12:04:26.133	175DF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	5	3,744,323	86:0
379	96	352	12:04:26.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1491.95 +/-	2R7	4	5	3,744,323	86:3
380	96	352	12:04:26.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1491.95 +/-	2R7	4	5	3,744,323	86:3
381	96	352	12:04:29.466	117DF105A106A4A	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,324	00:0
382	96	352	12:05:26.800	117DF105A106A4B	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,324	86:0
383	96	352	12:05:36.800	117DF105A106A4C	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,325	10:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	96	352	12:06:34.133	117DF105A106A4D	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,326:05:0	
385	96	352	12:06:44.133	117DF105A106A4E	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,326:20:0	
386	96	352	12:07:41.466	117DF105A106A4F	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,327:15:0	
387	96	352	12:07:51.466	117DF105A106A4G	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,327:30:0	
388	96	352	12:08:48.800	117DF105A106A4H	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,328:25:0	
389	96	352	12:08:58.800	117DF105A106A4I	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,328:40:0	
390	96	352	12:09:08.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1425.90 +/-	2R7	4	5	3,744,328:54:0	
391	96	352	12:09:08.133	175DF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,744,328:54:0	
392	96	352	12:09:08.133	175DF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,744,328:54:0	
393	96	352	12:09:56.133	117DF105A106A4J	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,329:35:0	
394	96	352	12:10:06.133	117DF105A106A4K	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,329:50:0	
395	96	352	12:11:03.466	117DF105A106A4L	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,330:45:0	
396	96	352	12:11:13.466	117DF105A106A4M	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,330:60:0	
397	96	352	12:12:10.800	117DF105A106A4N	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,331:55:0	
398	96	352	12:12:20.800	117DF105A106A4O	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,331:70:0	
399	96	352	12:13:18.133	117DF105A106A4P	7STRP	0.041023,-0.008,	Slew =12.01	2R7	4	5	3,744,332:65:0	
400	96	352	12:13:28.133	117DF105A106A4Q	7STRP	-0.041023,0.0,0,	Slew =,0.76	2R7	4	5	3,744,332:80:0	
401	96	352	12:14:25.466	117DF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	5	3,744,333:75:0	
402	**96**	**352**	**12:14:28.666**	**E4JNGLOMOS06-**		**-----STOP-------**		**2R7**	**4**	**5**	**: :**	
403	96	352	14:44:13.466	165GA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,744,481:89:0	
404	96	352	14:44:14.133	165GA4B	7SCAN	NORM,235.712,-21	Check S/P Position	2R7	4	5	3,744,481:90:0	
405	96	352	14:48:08.133	117GA	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	5	3,744,485:77:0	
406	96	352	14:48:17.466	117GA105A106A4A	7STRP	0.046032,0.0,0,0	Slew =,0.11	2R7	4	5	3,744,486:00:0	
407	96	352	14:48:17.466	176GA6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R7	4	5	3,744,486:00:0	
408	96	352	14:55:20.800	117GA105A106A4B	7STRP	-0.047035,-0.001	Slew =12.01	2R7	4	5	3,744,492:89:0	
409	96	352	14:55:34.133	117GA105A106A4C	7STRP	0.046032,0.0,0,0	Slew =,0.11	2R7	4	5	3,744,493:18:0	
410	96	352	15:01:00.866		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1427.24 +/-	2R7	4	5	3,744,498:53:1	
411	96	352	15:01:02.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1427.12 +/-	2R7	4	5	3,744,498:55:3	
412	96	352	15:01:17.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1423.57 +/-	2R7	4	5	3,744,498:78:0	
413	96	352	15:01:37.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1418.88 +/-	2R7	4	5	3,744,499:17:0	
414	96	352	15:02:37.466	117GA105A106A4D	7STRP	-0.047035,-0.001	Slew =12.01	2R7	4	5	3,744,500:16:0	
415	96	352	15:02:50.800	117GA105A106A4E	7STRP	0.046032,0.0,0,0	Slew =,0.11	2R7	4	5	3,744,500:36:0	
416	96	352	15:09:54.133	117GA105A106A4F	7STRP	-0.047035,-0.001	Slew =12.01	2R7	4	5	3,744,507:34:0	
417	96	352	15:10:07.466	117GA105A106A4G	7STRP	0.046032,0.0,0,0	Slew =,0.11	2R7	4	5	3,744,507:54:0	
418	96	352	15:14:02.866		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1420.22 +/-	2R7	4	5	3,744,511:43:1	
419	96	352	15:14:04.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1420.10 +/-	2R7	4	5	3,744,511:45:3	
420	96	352	15:14:19.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1416.55 +/-	2R7	4	5	3,744,511:68:0	
421	96	352	15:14:39.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1411.87 +/-	2R7	4	5	3,744,512:07:0	
422	96	352	15:17:10.800	117GA105A106A4H	7STRP	-0.047035,-0.001	Slew =12.01	2R7	4	5	3,744,514:52:0	
423	96	352	15:17:24.133	117GA105A106A4I	7STRP	0.046032,0.0,0,0	Slew =,0.11	2R7	4	5	3,744,514:72:0	
424	96	352	15:24:27.466	117GA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	5	3,744,521:70:0	
425	96	352	15:24:27.466	176GA6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,744,521:70:0	
426	96	352	15:24:37.533		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1413.20 +/-	2R7	4	5	3,744,521:85:1	
427	96	352	15:24:39.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1413.08 +/-	2R7	4	5	3,744,521:87:3	
428	96	352	15:24:39.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1412.97 +/-	2R7	4	5	3,744,521:88:0	
429	96	352	15:24:56.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1409.07 +/-	2R7	4	5	3,744,522:22:0	
430	96	352	15:30:00.133	488L6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R7	4	5	3,744,527:23:0	
431	96	352	15:30:45.466	411AD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,744,528:00:0	
432	96	352	15:30:53.533		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1410.40 +/-	2R7	4	5	3,744,528:12:1	
433	96	352	15:30:55.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1410.28 +/-	2R7	4	5	3,744,528:14:3	
434	96	352	15:30:55.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1410.28 +/-	2R7	4	5	3,744,528:14:3	
435	96	352	15:30:55.466	411AD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R7	4	5	3,744,528:15:0	
436	96	352	15:32:56.800	411AD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,744,530:15:0	
437	96	352	15:32:59.466	175TF176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R7	4	5	3,744,530:19:0	
438	96	352	15:33:00.133	175TF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,744,530:20:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	96	352	15:33:06.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1379.39 +/-	2R7	4	5	3,744,530:30:0	
440	96	352	15:33:06.800	175TF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,744,530:30:0	
441	**96**	**352**	**15:37:54.067**	**E4JNFEA05501-**		**-----START------**		**2R7**	**4**	**5**	**: :**	
442	96	352	15:38:49.466	165DG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,744,535:89:0	
443	96	352	15:38:50.133	165DG4B	7SCAN	NORM,236.677999,	Check S/P Position	2R7	4	5	3,744,535:90:0	
444	**96**	**352**	**15:41:48.133**	**127DG4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,744,538:84:0**	
445	96	352	15:41:48.133	127DG	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,744,538:84:0	
446	**96**	**352**	**15:41:48.800**	**127DG4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,744,538:85:0**	
447	96	352	15:41:56.800	127DG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,744,539:06:0	
448	96	352	15:42:40.800	175DG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,744,539:72:0	
449	96	352	15:42:44.133	117DG	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,744,539:77:0	
450	96	352	15:42:48.866		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1380.72 +/-	2R5	4	1	3,744,539:84:1	
451	96	352	15:42:50.133	175DG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,744,539:86:0	
452	96	352	15:42:50.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1380.61 +/-	2R5	4	1	3,744,539:86:3	
453	96	352	15:42:50.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1380.61 +/-	2R5	4	1	3,744,539:86:3	
454	**96**	**352**	**15:42:53.033**	**E4JNFEA05501-**	**NIMPBK**	**301DK**	**JUPITER CAMP. FEAT. 55 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
455	96	352	15:42:53.466	117DG105A106A4A	7STRP	0.047536,0.0,0,0	Slew =,0.12	2R5	4	1	3,744,540:00:0	
456	**96**	**352**	**15:49:29.699**	**E4JNFEA05501-**	**DESELC**	**300DK**	**JUPITER CAMP. FEAT. 55 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
457	96	352	15:49:30.800	117DG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,744,546:50:0	
458	96	352	15:49:42.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1284.09 +/-	2R5	4	1	3,744,546:67:0	
459	96	352	15:49:42.133	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,744,546:67:0	
460	96	352	15:49:42.133	175DG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,744,546:67:0	
461	**96**	**352**	**15:50:02.067**	**E4JNFEA05501-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
462	**96**	**352**	**15:50:29.400**	**E4JNFEA05502-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
463	96	352	15:50:57.466	165DH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,547:89:0	
464	96	352	15:50:58.133	165DH4B	7SCAN	NORM,237.853998,	Check S/P Position	2R5	4	1	3,744,547:90:0	
465	96	352	15:53:56.133	127DH	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,744,550:84:0	
466	**96**	**352**	**15:53:56.133**	**127DH4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,744,550:84:0**	
467	**96**	**352**	**15:53:56.800**	**127DH4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,744,550:85:0**	
468	96	352	15:54:04.800	127DH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,744,551:06:0	
469	96	352	15:54:48.800	175DH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,744,551:72:0	
470	96	352	15:54:52.133	117DH	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,744,551:77:0	
471	96	352	15:54:56.866		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1285.42 +/-	2R5	4	1	3,744,551:84:1	
472	96	352	15:54:58.133	175DH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,744,551:86:0	
473	96	352	15:54:58.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1285.31 +/-	2R5	4	1	3,744,551:86:3	
474	96	352	15:54:58.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1285.31 +/-	2R5	4	1	3,744,551:86:3	
475	**96**	**352**	**15:55:01.032**	**E4JNFEA05502-**	**NIMPBK**	**301DL**	**JUPITER CAMP. FEAT. 55 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
476	96	352	15:55:01.466	117DH105A106A4A	7STRP	-0.047536,0.0,0,	Slew =,0.12	2R5	4	1	3,744,552:00:0	
477	96	352	15:57:46.133	488L6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R5	4	1	3,744,554:65:0	
478	**96**	**352**	**16:01:37.699**	**E4JNFEA05502-**	**DESELC**	**300DL**	**JUPITER CAMP. FEAT. 55 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
479	96	352	16:01:38.733	117DH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,744,558:50:0	
480	96	352	16:01:52.733	175DH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,744,558:71:0	
481	96	352	16:01:52.733	175DH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,744,558:71:0	
482	96	352	16:01:52.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1188.18 +/-	2R5	4	1	3,744,558:71:0	
483	**96**	**352**	**16:02:10.067**	**E4JNFEA05502-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
484	96	352	16:07:08.066	165IA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,563:89:0	
485	96	352	16:07:08.733	165IA4B	7SCAN	NORM,238.164999,	Check S/P Position	2R5	4	1	3,744,563:90:0	
486	96	352	16:07:58.733	175IA422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,744,564:74:0	
487	96	352	16:08:02.066	118IA	**SMOS**	GS		2R5	4	1	3,744,564:79:0	
488	96	352	16:08:06.800		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1189.52 +/-	2R5	4	1	3,744,564:86:1	
489	96	352	16:08:10.733	175IA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,744,565:01:0	
490	96	352	16:08:10.800		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1183.25 +/-	2R5	4	1	3,744,565:01:1	
491	96	352	16:08:10.800		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1183.25 +/-	2R5	4	1	3,744,565:01:1	
492	96	352	16:08:12.066	118IA110A111A4A	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,565:03:0	
493	96	352	16:08:58.066	118IA110A111A4B	7STRP	-0.021503,0.0,0,	Slew =,3.01	2R5	4	1	3,744,565:72:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	96	352	16:09:13.400	118IA110A111A4C	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,566:04:0	
495	96	352	16:09:59.400	118IA110A111A4D	7STRP	-0.021503,0.0,0,	Slew =,3.01	2R5	4	1	3,744,566:73:0	
496	96	352	16:10:14.733	118IA110A111A4E	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,567:05:0	
497	96	352	16:11:00.733	118IA110A111A4F	7STRP	-0.021503,0.0,0,	Slew =,3.01	2R5	4	1	3,744,567:74:0	
498	96	352	16:11:16.066	118IA110A111A4G	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,568:06:0	
499	96	352	16:12:02.066	118IA11A	**SMOS**	GE		2R5	4	1	3,744,568:75:0	
500	96	352	16:12:03.400	117AC	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,744,568:77:0	
501	96	352	16:12:12.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC * 332.70 +/-	2R5	4	1	3,744,569:00:0	
502	96	352	16:12:12.733	175IA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,744,569:00:0	
503	96	352	16:12:12.733	117AC105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,569:00:0	
504	96	352	16:13:43.400	117AC105A106A4B	7STRP	-0.0057,0.0,0,0,	Slew =12.01	2R5	4	1	3,744,570:45:0	
505	96	352	16:14:14.066	117AC105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,571:00:0	
506	96	352	16:15:44.733	117AC105A106A4D	7STRP	-0.0057,0.0,0,0,	Slew =12.01	2R5	4	1	3,744,572:45:0	
507	96	352	16:16:15.400	117AC105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,573:00:0	
508	96	352	16:17:09.400	465KA6A	6DTRN	CMD,6DTRN,465KA6	DMS TRACK TURNAROUND	2R5	4	1	3,744,573:81:0	
509	96	352	16:17:46.066	117AC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,744,574:45:0	
510	96	352	16:26:20.733	165IB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,582:89:0	
511	96	352	16:26:21.400	165IB4B	7SCAN	NORM,238.556,-21	Check S/P Position	2R5	4	1	3,744,582:90:0	
512	96	352	16:26:26.066	118IB	**SMOS**	GS		2R5	4	1	3,744,583:06:0	
513	96	352	16:26:41.400	175IB422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,744,583:29:0	
514	96	352	16:26:53.400	175IB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,744,583:47:0	
515	96	352	16:26:54.733	118IB110A111A4A	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,583:49:0	
516	96	352	16:27:25.400	118IB110A111A4B	7STRP	-0.014301,0.0,0,	Slew =,3.01	2R5	4	1	3,744,584:04:0	
517	96	352	16:27:40.733	118IB110A111A4C	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,584:27:0	
518	96	352	16:28:11.400	118IB11A	**SMOS**	GE		2R5	4	1	3,744,584:73:0	
519	96	352	16:28:14.066	117AD	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,744,584:77:0	
520	96	352	16:28:23.400	175IB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,744,585:00:0	
521	96	352	16:28:23.400	117AD105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,585:00:0	
522	96	352	16:29:54.066	117AD105A106A4B	7STRP	-0.0074,0.0,0,0,	Slew =12.01	2R5	4	1	3,744,586:45:0	
523	96	352	16:30:24.733	117AD105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,587:00:0	
524	96	352	16:31:55.400	117AD105A106A4D	7STRP	-0.0074,0.0,0,0,	Slew =12.01	2R5	4	1	3,744,588:45:0	
525	96	352	16:32:26.066	117AD105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,589:00:0	
526	96	352	16:33:56.733	117AD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,744,590:45:0	
527	96	352	16:34:26.066	165IC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,590:89:0	
528	96	352	16:34:26.733	165IC4B	7SCAN	NORM,238.811998,	Check S/P Position	2R5	4	1	3,744,590:90:0	
529	96	352	16:35:16.733	175IC422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,744,591:74:0	
530	96	352	16:35:20.066	118IC	**SMOS**	GS		2R5	4	1	3,744,591:79:0	
531	96	352	16:35:23.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 201.62 +/-	2R5	4	1	3,744,591:84:0	
532	96	352	16:35:27.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 207.89 +/-	2R5	4	1	3,744,591:90:0	
533	96	352	16:35:27.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 207.89 +/-	2R5	4	1	3,744,591:90:0	
534	96	352	16:35:28.733	175IC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,744,592:01:0	
535	96	352	16:35:30.066	118IC110A111A4A	7STRP	0.0,-0.0071,46,0	Slew =,3.01	2R5	4	1	3,744,592:03:0	
536	96	352	16:35:45.400	118IC110A111B4A	7STRP	0.0071,0.0071,0,	Slew =,3.01	2R5	4	1	3,744,592:26:0	
537	96	352	16:36:00.733	118IC110A111B4B	7STRP	0.0,-0.0071,46,0	Slew =,3.01	2R5	4	1	3,744,592:49:0	
538	96	352	16:36:16.066	118IC110A111A4B	7STRP	-0.0072,0.0071,0	Slew =,3.01	2R5	4	1	3,744,592:72:0	
539	96	352	16:36:31.400	118IC110A111A4C	7STRP	0.0,-0.0071,46,0	Slew =,3.01	2R5	4	1	3,744,593:04:0	
540	96	352	16:36:46.733	118IC110A111B4C	7STRP	0.0071,0.0071,0,	Slew =,3.01	2R5	4	1	3,744,593:27:0	
541	96	352	16:37:02.066	118IC110A111B4D	7STRP	0.0,-0.0071,46,0	Slew =,3.01	2R5	4	1	3,744,593:50:0	
542	96	352	16:37:17.400	118IC11A	**SMOS**	GE		2R5	4	1	3,744,593:73:0	
543	96	352	16:37:28.066	165AN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,593:89:0	
544	96	352	16:37:28.733	165AN4B	7SCAN	NORM,238.490999,	Check S/P Position	2R5	4	1	3,744,593:90:0	
545	96	352	16:37:29.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 636.80 +/-	2R5	4	1	3,744,594:00:0	
546	96	352	16:37:29.400	175IC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,744,594:00:0	
547	96	352	16:40:51.400	411JH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,744,597:30:0	
548	96	352	16:40:58.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 637.71 +/-	2R5	4	1	3,744,597:40:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	96	352	16:40:59.533		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 637.83 +/-	2R5	4	1	3,744,597:42:2	
550	96	352	16:40:59.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 637.83 +/-	2R5	4	1	3,744,597:42:2	
551	96	352	16:41:01.400	411JH6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R5	4	1	3,744,597:45:0	
552	96	352	16:43:02.733	411JH6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,744,599:45:0	
553	96	352	16:43:03.400	411JH6D	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,744,599:46:0	
554	96	352	16:43:03.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 666.86 +/-	2R5	4	1	3,744,599:46:0	
555	96	352	16:46:34.066	165AC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,602:89:0	
556	96	352	16:46:34.733	165AC4B	7SCAN	NORM,239.058998,	Check S/P Position	2R5	4	1	3,744,602:90:0	
557	**96**	**352**	**16:58:47.400**	**E4JNFEA05503-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
558	96	352	16:59:42.733	165DI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,615:89:0	
559	96	352	16:59:43.400	165DI4B	7SCAN	NORM,239.778999,	Check S/P Position	2R5	4	1	3,744,615:90:0	
560	96	352	17:02:41.400	127DI	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,744,618:84:0	
561	**96**	**352**	**17:02:41.400**	**127DI4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,744,618:84:0**	
562	**96**	**352**	**17:02:42.066**	**127DI4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,744,618:85:0**	
563	96	352	17:02:50.066	127DI11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,744,619:06:0	
564	96	352	17:03:27.400	175KA422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R5	4	1	3,744,619:62:0	
565	96	352	17:03:34.066		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 666.92 +/-	2R5	4	1	3,744,619:72:0	
566	96	352	17:03:37.400	117DI	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,744,619:77:0	
567	96	352	17:03:38.066		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 668.42 +/-	2R5	4	1	3,744,619:78:0	
568	96	352	17:03:38.066		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 668.42 +/-	2R5	4	1	3,744,619:78:0	
569	96	352	17:03:39.400	175KA176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R5	4	1	3,744,619:80:0	
570	96	352	17:03:40.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 670.77 +/-	2R5	4	1	3,744,619:82:0	
571	96	352	17:03:40.733	175DI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,744,619:82:0	
572	96	352	17:03:42.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 670.99 +/-	2R5	4	1	3,744,619:84:1	
573	96	352	17:03:43.400	175DI176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,744,619:86:0	
574	96	352	17:03:43.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 671.11 +/-	2R5	4	1	3,744,619:86:3	
575	96	352	17:03:43.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 671.11 +/-	2R5	4	1	3,744,619:86:3	
576	**96**	**352**	**17:03:46.364**	**E4JNFEA05503-**	**NIMPBK**	**301DM**	**JUPITER CAMP. FEAT. 55 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
577	96	352	17:03:46.733	117DI105A106A4A	7STRP	-0.047536,0.0,0,	Slew =,0.12	2R5	4	1	3,744,620:00:0	
578	**96**	**352**	**17:10:23.029**	**E4JNFEA05503-**	**DESELC**	**300DM**	**JUPITER CAMP. FEAT. 55 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
579	96	352	17:10:24.066	117DI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,744,626:50:0	
580	96	352	17:10:25.400	175DI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,744,626:52:0	
581	96	352	17:10:25.400	175DI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,744,626:52:0	
582	96	352	17:10:25.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 765.28 +/-	2R5	4	1	3,744,626:52:0	
583	96	352	17:10:50.066	165ID4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,626:89:0	
584	96	352	17:10:50.733	165ID4B	7SCAN	NORM,237.575998,	Check S/P Position	2R5	4	1	3,744,626:90:0	
585	**96**	**352**	**17:10:55.400**	**E4JNFEA05503-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
586	96	352	17:11:40.733	175ID422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,744,627:74:0	
587	96	352	17:11:44.066	118ID	**SMOS**	GS		2R5	4	1	3,744,627:79:0	
588	96	352	17:11:47.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 765.34 +/-	2R5	4	1	3,744,627:84:0	
589	96	352	17:11:51.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 771.61 +/-	2R5	4	1	3,744,627:90:0	
590	96	352	17:11:51.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 771.61 +/-	2R5	4	1	3,744,627:90:0	
591	96	352	17:11:52.733	175ID176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,744,628:01:0	
592	96	352	17:11:54.066	118ID110A111A4A	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,628:03:0	
593	96	352	17:12:40.066	118ID110A111A4B	7STRP	-0.021403,0.0,0,	Slew =,3.01	2R5	4	1	3,744,628:72:0	
594	96	352	17:12:55.400	118ID110A111A4C	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,629:04:0	
595	96	352	17:13:41.400	118ID110A111A4D	7STRP	-0.021403,0.0,0,	Slew =,3.01	2R5	4	1	3,744,629:73:0	
596	96	352	17:13:56.733	118ID110A111A4E	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,630:05:0	
597	96	352	17:14:42.733	118ID110A111A4F	7STRP	-0.021403,0.0,0,	Slew =,3.01	2R5	4	1	3,744,630:74:0	
598	96	352	17:14:58.066	118ID110A111A4G	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,631:06:0	
599	96	352	17:15:44.066	118ID11A	**SMOS**	GE		2R5	4	1	3,744,631:75:0	
600	96	352	17:15:45.400	117AF	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,744,631:77:0	
601	96	352	17:15:54.733	175ID422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,744,632:00:0	
602	96	352	17:15:54.733	117AF105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,632:00:0	
603	96	352	17:15:54.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1627.08 +/-	2R5	4	1	3,744,632:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	96	352	17:16:42.066	488L6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R5	4	1	3,744,632	71:0
605	96	352	17:17:25.400	117AF105A106A4B	7STRP	-0.0057,0.0,0,0,	Slew =12.01	2R5	4	1	3,744,633	45:0
606	96	352	17:17:56.066	117AF105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,634	00:0
607	96	352	17:19:26.733	117AF105A106A4D	7STRP	-0.0057,0.0,0,0,	Slew =12.01	2R5	4	1	3,744,635	45:0
608	96	352	17:19:57.400	117AF105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,636	00:0
609	96	352	17:21:28.066	117AF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,744,637	45:0
610	96	352	17:23:58.733	165IE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,639	89:0
611	96	352	17:23:59.400	165IE4B	7SCAN	NORM,237.976999,	Check S/P Position	2R5	4	1	3,744,639	90:0
612	96	352	17:24:04.066	118IE	**SMOS**	GS		2R5	4	1	3,744,640	06:0
613	96	352	17:24:19.400	175IE422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,744,640	29:0
614	96	352	17:24:26.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1627.99 +/-	2R5	4	1	3,744,640	39:0
615	96	352	17:24:30.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1634.26 +/-	2R5	4	1	3,744,640	45:0
616	96	352	17:24:30.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1634.26 +/-	2R5	4	1	3,744,640	45:0
617	96	352	17:24:31.400	175IE176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,744,640	47:0
618	96	352	17:24:32.733	118IE110A111A4A	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,640	49:0
619	96	352	17:25:03.400	118IE110A111A4B	7STRP	-0.014301,0.0,0,	Slew =,3.01	2R5	4	1	3,744,641	04:0
620	96	352	17:25:18.733	118IE110A111A4C	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,641	27:0
621	96	352	17:25:49.400	118IE11A	**SMOS**	GE		2R5	4	1	3,744,641	73:0
622	96	352	17:25:52.066	117AG	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,744,641	77:0
623	96	352	17:26:01.400	175IE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,744,642	00:0
624	96	352	17:26:01.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1955.35 +/-	2R5	4	1	3,744,642	00:0
625	96	352	17:26:01.400	117AG105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,642	00:0
626	96	352	17:27:32.066	117AG105A106A4B	7STRP	-0.0074,0.0,0,0,	Slew =12.01	2R5	4	1	3,744,643	45:0
627	96	352	17:28:02.733	117AG105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,644	00:0
628	96	352	17:29:33.400	117AG105A106A4D	7STRP	-0.0074,0.0,0,0,	Slew =12.01	2R5	4	1	3,744,645	45:0
629	96	352	17:30:04.066	117AG105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,646	00:0
630	96	352	17:31:34.733	117AG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,744,647	45:0
631	96	352	17:32:04.066	165IF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,647	89:0
632	96	352	17:32:04.733	165IF4B	7SCAN	NORM,238.344999,	Check S/P Position	2R5	4	1	3,744,647	90:0
633	96	352	17:32:54.733	175IF422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,744,648	74:0
634	96	352	17:32:58.066	118IF	**SMOS**	GS		2R5	4	1	3,744,648	79:0
635	96	352	17:33:01.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1956.27 +/-	2R5	4	1	3,744,648	84:0
636	96	352	17:33:05.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1962.54 +/-	2R5	4	1	3,744,648	90:0
637	96	352	17:33:05.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1962.54 +/-	2R5	4	1	3,744,648	90:0
638	96	352	17:33:06.733	175IF176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,744,649	01:0
639	96	352	17:33:08.066	118IF110A111A4A	7STRP	0.0,-0.0071,46,0	Slew =,3.01	2R5	4	1	3,744,649	03:0
640	96	352	17:33:23.400	118IF110A111B4A	7STRP	0.0071,0.0071,0,	Slew =,3.01	2R5	4	1	3,744,649	26:0
641	96	352	17:33:38.733	118IF110A111B4B	7STRP	0.0,-0.0071,46,0	Slew =,3.01	2R5	4	1	3,744,649	49:0
642	96	352	17:33:54.066	118IF110A111A4B	7STRP	-0.0072,0.0071,0	Slew =,3.01	2R5	4	1	3,744,649	72:0
643	96	352	17:34:09.400	118IF110A111A4C	7STRP	0.0,-0.0071,46,0	Slew =,3.01	2R5	4	1	3,744,650	04:0
644	96	352	17:34:24.733	118IF110A111B4C	7STRP	0.0071,0.0071,0,	Slew =,3.01	2R5	4	1	3,744,650	27:0
645	96	352	17:34:40.066	118IF110A111B4D	7STRP	0.0,-0.0071,46,0	Slew =,3.01	2R5	4	1	3,744,650	50:0
646	96	352	17:34:55.400	118IF11A	**SMOS**	GE		2R5	4	1	3,744,650	73:0
647	96	352	17:35:06.066	165AO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,650	89:0
648	96	352	17:35:06.733	165AO4B	7SCAN	NORM,238.007,-21	Check S/P Position	2R5	4	1	3,744,650	90:0
649	96	352	17:35:07.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2391.45 +/-	2R5	4	1	3,744,651	00:0
650	96	352	17:35:07.400	175IF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,744,651	00:0
651	96	352	17:44:49.400	165AD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,660	54:0
652	96	352	17:44:50.066	165AD4B	7SCAN	NORM,238.523998,	Check S/P Position	2R5	4	1	3,744,660	55:0
653	96	352	18:01:23.400	165AW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,676	89:0
654	96	352	18:01:24.066	165AW4B	7SCAN	NORM,238.662998,	Check S/P Position	2R5	4	1	3,744,676	90:0
655	96	352	18:05:18.066	117AI	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,744,680	77:0
656	96	352	18:05:27.400	117AI105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,681	00:0
657	96	352	18:06:58.066	117AI105A106A4B	7STRP	-0.0055,0.0,0,0,	Slew =12.01	2R5	4	1	3,744,682	45:0
658	96	352	18:07:28.733	117AI105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,683	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	96	352	18:08:59.400	117AI105A106A4D	7STRP	-0.0055,0.0,0,0,	Slew =12.01	2R5	4	1	3,744,684:45:0	
660	96	352	18:09:30.066	117AI105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,685:00:0	
661	96	352	18:11:00.733	117AI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,744,686:45:0	
662	96	352	18:11:06.733	165AF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,686:54:0	
663	96	352	18:11:07.400	165AF4B	7SCAN	NORM,238.188,-21	Check S/P Position	2R5	4	1	3,744,686:55:0	
664	96	352	18:11:22.066	117AJ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,744,686:77:0	
665	96	352	18:11:31.400	117AJ105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,687:00:0	
666	96	352	18:13:02.066	117AJ105A106A4B	7STRP	0.011,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,744,688:45:0	
667	96	352	18:13:32.733	117AJ105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,744,689:00:0	
668	96	352	18:15:03.400	117AJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,744,690:45:0	
669	96	352	18:15:09.400	165AP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,690:54:0	
670	96	352	18:15:10.066	165AP4B	7SCAN	NORM,238.040998,	Check S/P Position	2R5	4	1	3,744,690:55:0	
671	96	352	18:21:13.400	165AE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,696:54:0	
672	96	352	18:21:14.066	165AE4B	7SCAN	NORM,238.627998,	Check S/P Position	2R5	4	1	3,744,696:55:0	
673	96	352	18:30:42.733	165IG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,705:89:0	
674	96	352	18:30:43.400	165IG4B	7SCAN	NORM,238.181999,	Check S/P Position	2R5	4	1	3,744,705:90:0	
675	96	352	18:31:33.400	175IG422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,744,706:74:0	
676	96	352	18:31:36.733	118IG	**SMOS**	GS		2R5	4	1	3,744,706:79:0	
677	96	352	18:31:40.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2392.36 +/-	2R5	4	1	3,744,706:84:0	
678	96	352	18:31:44.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2398.63 +/-	2R5	4	1	3,744,706:90:0	
679	96	352	18:31:44.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2398.63 +/-	2R5	4	1	3,744,706:90:0	
680	96	352	18:31:45.400	175IG176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,744,707:01:0	
681	96	352	18:31:46.733	118IG110A111A4A	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,707:03:0	
682	96	352	18:32:17.400	118IG110A111A4B	7STRP	-0.014101,0.0,0,	Slew =,3.01	2R5	4	1	3,744,707:49:0	
683	96	352	18:32:32.733	118IG110A111A4C	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,707:72:0	
684	96	352	18:33:03.400	118IG110A111A4D	7STRP	-0.014101,0.0,0,	Slew =,3.01	2R5	4	1	3,744,708:27:0	
685	96	352	18:33:18.733	118IG110A111A4E	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,708:50:0	
686	96	352	18:33:49.400	118IG110A111A4F	7STRP	-0.014101,0.0,0,	Slew =,3.01	2R5	4	1	3,744,709:05:0	
687	96	352	18:34:04.733	118IG110A111A4G	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,709:28:0	
688	96	352	18:34:35.400	118IG11A	**SMOS**	GE		2R5	4	1	3,744,709:74:0	
689	96	352	18:34:45.400	165IH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,709:89:0	
690	96	352	18:34:46.066	165IH4B	7SCAN	NORM,238.407,-21	Check S/P Position	2R5	4	1	3,744,709:90:0	
691	96	352	18:34:46.733	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,744,710:00:0	
692	96	352	18:34:46.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3040.82 +/-	2R5	4	1	3,744,710:00:0	
693	96	352	18:35:36.066	175IH422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,744,710:74:0	
694	96	352	18:35:39.400	118IH	**SMOS**	GS		2R5	4	1	3,744,710:79:0	
695	96	352	18:35:42.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3041.73 +/-	2R5	4	1	3,744,710:84:0	
696	96	352	18:35:46.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3048.00 +/-	2R5	4	1	3,744,710:90:0	
697	96	352	18:35:46.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3048.00 +/-	2R5	4	1	3,744,710:90:0	
698	96	352	18:35:48.066	175IH176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,744,711:01:0	
699	96	352	18:35:49.400	118IH110A111A4A	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,711:03:0	
700	96	352	18:36:04.733	118IH110A111A4B	7STRP	-0.0071,0.0,0,0,	Slew =,3.01	2R5	4	1	3,744,711:26:0	
701	96	352	18:36:20.066	118IH110A111A4C	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,744,711:49:0	
702	96	352	18:36:35.400	118IH11A	**SMOS**	GE		2R5	4	1	3,744,711:72:0	
703	96	352	18:36:46.733	165II4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,711:89:0	
704	96	352	18:36:47.400	165II4B	7SCAN	NORM,238.976999,	Check S/P Position	2R5	4	1	3,744,711:90:0	
705	96	352	18:36:48.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3263.63 +/-	2R5	4	1	3,744,712:00:0	
706	96	352	18:36:48.066	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,744,712:00:0	
707	96	352	18:37:37.400	175II422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,744,712:74:0	
708	96	352	18:37:40.733	118II	**SMOS**	GS		2R5	4	1	3,744,712:79:0	
709	96	352	18:37:44.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3264.54 +/-	2R5	4	1	3,744,712:84:0	
710	96	352	18:37:48.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3270.81 +/-	2R5	4	1	3,744,712:90:0	
711	96	352	18:37:48.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3270.81 +/-	2R5	4	1	3,744,712:90:0	
712	96	352	18:37:49.400	175II176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,744,713:01:0	
713	96	352	18:37:50.733	118II110A111A4A	7STRP	-0.00325,-0.0071	Slew =,3.01	2R5	4	1	3,744,713:03:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	96	352	18:38:06.066	118II110A111A4B	7STRP	0.00325,0.0071,0	Slew =12.01	2R5	4	1	3,744,713:26:0	
715	96	352	18:38:21.400	118II110A111A4C	7STRP	-0.00325,-0.0071	Slew =,3.01	2R5	4	1	3,744,713:49:0	
716	96	352	18:38:36.733	118II11A	**SMOS**	GE		2R5	4	1	3,744,713:72:0	
717	96	352	18:38:49.400	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,744,714:00:0	
718	96	352	18:38:49.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3486.44 +/-	2R5	4	1	3,744,714:00:0	
719	96	352	18:41:50.066	165CK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,716:89:0	
720	96	352	18:41:50.733	165CK4B	7SCAN	NORM,250.727999,	Check S/P Position	2R5	4	1	3,744,716:90:0	
721	96	352	18:50:34.066	488L6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R5	4	1	3,744,725:56:0	
722	**96**	**352**	**19:05:10.733**	**E4INCOOLCV01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
723	96	352	19:06:06.066	165DK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,744,740:89:0	
724	96	352	19:06:06.733	165DK4B	7SCAN	NORM,251.577999,	Check S/P Position	2R5	4	1	3,744,740:90:0	
725	96	352	19:08:04.066	125DK11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	3,744,742:84:0	
726	96	352	19:08:04.066	125DK	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,744,742:84:0	
727	**96**	**352**	**19:08:04.066**	**125DK4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**3,744,742:84:0**	
728	96	352	19:09:04.733	127DK	NIMSTAB	GS	%%%%% GROUP START TAB	4R5	4	1	3,744,743:84:0	
729	**96**	**352**	**19:09:04.733**	**127DK4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**4R7**	**4**	**21**	**3,744,743:84:0**	
730	**96**	**352**	**19:09:05.400**	**127DK4B**	**37ETB**	**07,C7,19,55,5D,0**	**Loads wavelength edit table**	**4R7**	**4**	**21**	**3,744,743:85:0**	
731	96	352	19:09:13.400	127DK11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	21	3,744,744:06:0	
732	96	352	19:09:50.733	175KB422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R7	4	21	3,744,744:62:0	
733	96	352	19:09:57.400		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 3487.35 +/-	4R7	4	21	3,744,744:72:0	
734	96	352	19:10:00.733	117DK	**CSMOS**	GS	***** GROUP START CSMOS	4R7	4	21	3,744,744:77:0	
735	96	352	19:10:01.400		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 3488.85 +/-	4R7	4	21	3,744,744:78:0	
736	96	352	19:10:01.400		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *3488.85 +/-	4R7	4	21	3,744,744:78:0	
737	96	352	19:10:02.733	175KB176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R7	4	21	3,744,744:80:0	
738	96	352	19:10:04.066		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *3491.20 +/-	4R7	4	21	3,744,744:82:0	
739	96	352	19:10:04.066	175DK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	21	3,744,744:82:0	
740	96	352	19:10:05.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *3491.42 +/-	4R7	4	21	3,744,744:84:1	
741	96	352	19:10:06.733	175DK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R7	4	21	3,744,744:86:0	
742	96	352	19:10:06.933		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3491.53 +/-	4R7	4	21	3,744,744:86:3	
743	96	352	19:10:06.933		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3491.53 +/-	4R7	4	21	3,744,744:86:3	
744	96	352	19:10:10.066	117DK105A106A4A	7STRP	0.0028,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,744,745:00:0	
745	96	352	19:10:18.733	117DK105A106A4B	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,745:13:0	
746	**96**	**352**	**19:10:23.692**	**E4INCOOLCV01-**	**NIMPBK**	**301DO**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
747	96	352	19:10:24.066	117DK105A106A4C	7STRP	0.0028,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,744,745:21:0	
748	96	352	19:10:32.733	117DK105A106A4D	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,745:34:0	
749	**96**	**352**	**19:10:33.025**	**E4INCOOLCV01-**	**DESELC**	**300DO**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
750	96	352	19:10:38.066	117DK105A106A4E	7STRP	0.0028,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,744,745:42:0	
751	96	352	19:10:46.733	117DK105A106A4F	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,745:55:0	
752	96	352	19:10:52.066	117DK105A106A4G	7STRP	0.0028,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,744,745:63:0	
753	96	352	19:11:00.733	117DK105A106A4H	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,745:76:0	
754	**96**	**352**	**19:11:05.692**	**E4INCOOLCV01-**	**NIMPBK**	**301ED**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
755	96	352	19:11:06.066	117DK105A106A4I	7STRP	0.0028,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,744,745:84:0	
756	96	352	19:11:14.733	117DK105A106A4J	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,746:06:0	
757	**96**	**352**	**19:11:15.025**	**E4INCOOLCV01-**	**DESELC**	**300ED**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
758	96	352	19:11:20.066	117DK105A106A4K	7STRP	0.0028,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,744,746:14:0	
759	96	352	19:11:20.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3508.83 +/-	4R7	4	21	3,744,746:15:0	
760	96	352	19:11:20.733	175DK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R7	4	21	3,744,746:15:0	
761	96	352	19:11:20.733	175DK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	21	3,744,746:15:0	
762	96	352	19:11:28.733	117DK105A106A4L	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,746:27:0	
763	96	352	19:11:34.066	117DK105A106A4M	7STRP	0.0028,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,744,746:35:0	
764	96	352	19:11:42.733	117DK105A106A4N	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,746:48:0	
765	96	352	19:11:48.066	117DK105A106A4O	7STRP	0.0028,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,744,746:56:0	
766	96	352	19:11:56.733	117DK105A106A4P	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,746:69:0	
767	96	352	19:11:58.733	175FU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	21	3,744,746:72:0	
768	96	352	19:12:02.066	117DK105A106A4Q	7STRP	0.0028,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,744,746:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	96	352	19:12:05.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3508.89 +/-	4R7	4	21	3,744,746:82:0	
770	96	352	19:12:06.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3509.01 +/-	4R7	4	21	3,744,746:84:2	
771	96	352	19:12:06.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3509.01 +/-	4R7	4	21	3,744,746:84:2	
772	96	352	19:12:08.066	175FU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R7	4	21	3,744,746:86:0	
773	96	352	19:12:10.733	117DK105A106A4R	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,746:90:0	
774	**96**	**352**	**19:12:15.692**	**E4INCOOLCV01-**	**NIMPBK**	**301EH**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
775	96	352	19:12:16.066	117DK105A106A4S	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,747:07:0	
776	96	352	19:12:24.733	117DK105A106A4T	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,747:20:0	
777	**96**	**352**	**19:12:25.025**	**E4INCOOLCV01-**	**DESELC**	**300EH**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
778	96	352	19:12:30.066	117DK105A106A4U	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,747:28:0	
779	96	352	19:12:38.733	117DK105A106A4V	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,747:41:0	
780	96	352	19:12:44.066	117DK105A106A4W	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,747:49:0	
781	96	352	19:12:52.733	117DK105A106A4X	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,747:62:0	
782	96	352	19:12:58.066	117DK105A106A4Y	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,747:70:0	
783	96	352	19:13:06.733	117DK105A106A4Z	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,747:83:0	
784	96	352	19:13:12.066	117DK105A106A4AA	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,748:00:0	
785	96	352	19:13:20.733	117DK105A106A4AB	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,748:13:0	
786	96	352	19:13:22.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3526.63 +/-	4R7	4	21	3,744,748:15:0	
787	96	352	19:13:22.066	175FU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R7	4	21	3,744,748:15:0	
788	96	352	19:13:22.066	175FU422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	21	3,744,748:15:0	
789	96	352	19:13:26.066	117DK105A106A4AC	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,748:21:0	
790	96	352	19:13:34.733	117DK105A106A4AD	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,748:34:0	
791	96	352	19:13:40.066	117DK105A106A4AE	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,748:42:0	
792	96	352	19:13:48.733	117DK105A106A4AF	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,748:55:0	
793	96	352	19:13:54.066	117DK105A106A4AG	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,748:63:0	
794	96	352	19:14:00.066	175FV422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	21	3,744,748:72:0	
795	96	352	19:14:02.733	117DK105A106A4AH	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,748:76:0	
796	96	352	19:14:06.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3526.69 +/-	4R7	4	21	3,744,748:82:0	
797	96	352	19:14:08.066	117DK105A106A4AI	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,748:84:0	
798	96	352	19:14:08.200		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3526.81 +/-	4R7	4	21	3,744,748:84:2	
799	96	352	19:14:08.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3526.81 +/-	4R7	4	21	3,744,748:84:2	
800	96	352	19:14:09.400	175FV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R7	4	21	3,744,748:86:0	
801	96	352	19:14:16.733	117DK105A106A4AJ	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,749:06:0	
802	**96**	**352**	**19:14:21.692**	**E4INCOOLCV01-**	**NIMPBK**	**301ET**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
803	96	352	19:14:22.066	117DK105A106A4AK	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,749:14:0	
804	96	352	19:14:30.733	117DK105A106A4AL	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,749:27:0	
805	**96**	**352**	**19:14:31.025**	**E4INCOOLCV01-**	**DESELC**	**300ET**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
806	96	352	19:14:36.066	117DK105A106A4AM	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,749:35:0	
807	96	352	19:14:44.733	117DK105A106A4AN	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,749:48:0	
808	96	352	19:14:50.066	117DK105A106A4AO	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,749:56:0	
809	96	352	19:14:58.733	117DK105A106A4AP	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,749:69:0	
810	96	352	19:15:04.066	117DK105A106A4AQ	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,749:77:0	
811	96	352	19:15:12.733	117DK105A106A4AR	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,749:90:0	
812	96	352	19:15:18.066	117DK105A106A4AS	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,750:07:0	
813	96	352	19:15:23.400	175FV422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	21	3,744,750:15:0	
814	96	352	19:15:23.400	175FV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R7	4	21	3,744,750:15:0	
815	96	352	19:15:23.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3544.44 +/-	4R7	4	21	3,744,750:15:0	
816	96	352	19:15:26.733	117DK105A106A4AT	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,750:20:0	
817	96	352	19:15:30.066	175FZ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	21	3,744,750:25:0	
818	96	352	19:15:32.066	117DK105A106A4AU	7STRP	0.0028,0.0,0,0	Slew =,0.76	4R7	4	21	3,744,750:28:0	
819	96	352	19:15:36.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3544.50 +/-	4R7	4	21	3,744,750:35:0	
820	96	352	19:15:38.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3544.62 +/-	4R7	4	21	3,744,750:37:2	
821	96	352	19:15:38.200		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3544.62 +/-	4R7	4	21	3,744,750:37:2	
822	96	352	19:15:39.400	175FZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R7	4	21	3,744,750:39:0	
823	96	352	19:15:40.733	117DK105A106A4AV	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,750:41:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	96	352	19:15:46.066	117DK105A106A4AW	7STRP	0.0028,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,744,750	49:0
825	96	352	19:15:54.733	117DK105A106A4AX	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,750	62:0
826	96	352	19:16:00.066	117DK105A106A4AY	7STRP	0.0028,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,744,750	70:0
827	96	352	19:16:08.733	117DK105A106A4AZ	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,750	83:0
828	**96**	**352**	**19:16:13.692**	**E4INCOOLCV01-**	**NIMPBK**	**301FF**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**:**	**:**
829	96	352	19:16:14.066	117DK105A106A4BA	7STRP	0.0028,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,744,751	00:0
830	96	352	19:16:22.733	117DK105A106A4BB	7STRP	-0.00261,0.0,0,0	Slew =0,1.4	4R7	4	21	3,744,751	13:0
831	**96**	**352**	**19:16:23.025**	**E4INCOOLCV01-**	**DESELC**	**300FF**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**:**	**:**
832	96	352	19:16:28.066	117DK105A106A4BC	7STRP	0.0028,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,744,751	21:0
833	96	352	19:16:36.733	117DK11A	**CSMOS**	GE	***** GROUP END CSMOS	4R7	4	21	3,744,751	34:0
834	96	352	19:16:53.400	175FZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	21	3,744,751	59:0
835	96	352	19:16:53.400	175FZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R7	4	21	3,744,751	59:0
836	96	352	19:16:53.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3562.24 +/-	4R7	4	21	3,744,751	59:0
837	**96**	**352**	**19:19:20.066**	**E4INCOOLCV01-**		**-----STOP-------**		**4R7**	**4**	**21**	**:**	**:**
838	96	352	19:26:19.400	165CL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	21	3,744,760	89:0
839	96	352	19:26:20.066	165CL4B	7SCAN	NORM,253.004999,	Check S/P Position	4R7	4	21	3,744,760	90:0
840	96	352	19:44:31.400	165IJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	21	3,744,778	89:0
841	96	352	19:44:32.066	165IJ4B	7SCAN	NORM,253.594,-24	Check S/P Position	4R7	4	21	3,744,778	90:0
842	96	352	19:45:32.066	165IJ4C	7VECT		Inert vect update UTC	4R7	4	21	3,744,779	89:0
843	96	352	19:45:32.733	165IJ4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	4R7	4	21	3,744,779	90:0
844	96	352	19:45:37.400	118IJ	**SMOS**	GS		4R7	4	21	3,744,780	06:0
845	96	352	19:45:54.066	118IJ110A111A4A	7STRP	-0.0031,0.0,92,0	Slew =,2.01	4R7	4	21	3,744,780	31:0
846	96	352	19:46:24.733	175IJ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R7	4	21	3,744,780	77:0
847	96	352	19:46:24.733	118IJ11A	**SMOS**	GE		4R7	4	21	3,744,780	77:0
848	96	352	19:46:31.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3562.30 +/-	4R7	4	21	3,744,780	87:0
849	96	352	19:46:35.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3568.57 +/-	4R7	4	21	3,744,781	02:0
850	96	352	19:46:35.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3568.57 +/-	4R7	4	21	3,744,781	02:0
851	96	352	19:46:36.733	175IJ176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R7	4	21	3,744,781	04:0
852	96	352	19:47:04.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3671.70 +/-	4R7	4	21	3,744,781	46:0
853	96	352	19:47:04.733	175IJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	21	3,744,781	46:0
854	96	352	19:47:33.400	118IK	**SMOS**	GS		4R7	4	21	3,744,781	89:0
855	96	352	19:47:43.400	118IK110A111A4A	7STRP	0.0031,0.0,46,0,	Slew =,2.01	4R7	4	21	3,744,782	13:0
856	96	352	19:47:58.733	118IK110A111A4B	7STRP	-0.0031,-0.0031,	Slew =,3.01	4R7	4	21	3,744,782	36:0
857	96	352	19:48:14.066	118IK110A111A4C	7STRP	0.0031,0.0,46,0,	Slew =,2.01	4R7	4	21	3,744,782	59:0
858	96	352	19:48:24.066	175JG422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R7	4	21	3,744,782	74:0
859	96	352	19:48:29.400	118IK11A	**SMOS**	GE		4R7	4	21	3,744,782	82:0
860	96	352	19:48:30.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3672.61 +/-	4R7	4	21	3,744,782	84:0
861	96	352	19:48:34.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3678.88 +/-	4R7	4	21	3,744,782	90:0
862	96	352	19:48:34.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3678.88 +/-	4R7	4	21	3,744,782	90:0
863	96	352	19:48:36.066	175JG176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R7	4	21	3,744,783	01:0
864	96	352	19:48:50.733	175JG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	21	3,744,783	23:0
865	96	352	19:48:50.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3735.13 +/-	4R7	4	21	3,744,783	23:0
866	**96**	**352**	**20:14:56.733**	**E4INRTIMON01-**		**-----START------**		**4R7**	**4**	**21**	**:**	**:**
867	96	352	20:15:52.066	165FR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	21	3,744,809	89:0
868	96	352	20:15:52.733	165FR4B	7SCAN	NORM,255.353998,	Check S/P Position	4R7	4	21	3,744,809	90:0
869	96	352	20:16:49.400	125FR	NIMSINIT	GS	##### GROUP START INIT	4R7	4	21	3,744,810	84:0
870	**96**	**352**	**20:16:49.400**	**125FR4A**	**37IST**	**0,0,0,OFF,0,1,0**	**Gain State 2**	**2R7**	**4**	**21**	**3,744,810**	**84:0**
871	96	352	20:17:50.066	125FR11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	21	3,744,811	84:0
872	**96**	**352**	**20:17:50.066**	**125FR4B**	**37MB**	**1C,07,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R7**	**4**	**21**	**3,744,811**	**84:0**
873	**96**	**352**	**20:18:50.733**	**127FR4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,744,812**	**84:0**
874	96	352	20:18:50.733	127FR	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,744,812	84:0
875	**96**	**352**	**20:18:51.400**	**127FR4B**	**37ETB**	**07,C7,19,2A,95,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,744,812**	**85:0**
876	96	352	20:18:59.400	127FR11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,744,813	06:0
877	**96**	**352**	**20:19:15.400**	**432DA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R7**	**4**	**21**	**3,744,813**	**30:0**
878	96	352	20:19:46.733	117FR	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,744,813	77:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	96	352	20:19:56.066	117FR105A106A4A	7STRP	-0.002,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,814:00:0	
880	96	352	20:20:02.733	117FR11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,744,814:10:0	
881	**96**	**352**	**20:20:14.733**	**432DB6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R7**	**4**	**21**	**3,744,814:28:0**	
882	**96**	**352**	**20:22:53.400**	**125FU4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R7**	**4**	**21**	**3,744,816:84:0**	
883	96	352	20:22:53.400	125FU11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	21	3,744,816:84:0	
884	96	352	20:22:53.400	125FU	NIMSINIT	GS	##### GROUP START INIT	2R7	4	21	3,744,816:84:0	
885	**96**	**352**	**20:23:02.066**	**E4INRTIMON01-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
886	96	352	20:41:30.066	488L6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R7	4	21	3,744,835:30:0	
887	96	352	20:59:20.733	165CM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,744,852:89:0	
888	96	352	20:59:21.400	165CM4B	7SCAN	NORM,257.870998,	Check S/P Position	2R7	4	21	3,744,852:90:0	
889	96	352	21:17:32.733	165HB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,744,870:89:0	
890	96	352	21:17:33.400	165HB4B	7SCAN	NORM,258.429996,	Check S/P Position	2R7	4	21	3,744,870:90:0	
891	96	352	21:18:25.400	117HB	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,744,871:77:0	
892	96	352	21:18:34.733	117HB105A106A4A	7STRP	-0.0014,0.0,0,0,	Slew =,0.03	2R7	4	21	3,744,872:00:0	
893	96	352	21:18:34.733	176HB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R7	4	21	3,744,872:00:0	
894	96	352	21:19:24.066	117HB105A106A4B	7STRP	0.0019,-0.0005,0	Slew =,1.31	2R7	4	21	3,744,872:74:0	
895	96	352	21:19:29.400	117HB105A106A4C	7STRP	-0.0014,0.0,0,0,	Slew =,0.03	2R7	4	21	3,744,872:82:0	
896	96	352	21:20:18.733	117HB105A106A4D	7STRP	0.0019,-0.0005,0	Slew =,1.31	2R7	4	21	3,744,873:65:0	
897	96	352	21:20:24.066	117HB105A106A4E	7STRP	-0.0014,0.0,0,0,	Slew =,0.03	2R7	4	21	3,744,873:73:0	
898	96	352	21:21:13.400	176HB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,744,874:56:0	
899	96	352	21:21:13.400	117HB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,744,874:56:0	
900	96	352	21:21:22.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3736.05 +/-	2R7	4	21	3,744,874:69:0	
901	96	352	21:21:23.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3736.16 +/-	2R7	4	21	3,744,874:71:2	
902	96	352	21:21:25.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3736.60 +/-	2R7	4	21	3,744,874:74:0	
903	96	352	21:21:34.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3738.79 +/-	2R7	4	21	3,744,874:88:0	
904	**96**	**352**	**21:22:41.400**	**E4INWARMCV01-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
905	96	352	21:23:36.733	165DL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,744,876:89:0	
906	96	352	21:23:37.400	165DL4B	7SCAN	NORM,258.742996,	Check S/P Position	2R7	4	21	3,744,876:90:0	
907	96	352	21:25:34.733	125DL	NIMSINIT	GS	##### GROUP START INIT	2R7	4	21	3,744,878:84:0	
908	**96**	**352**	**21:25:34.733**	**125DL4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R7**	**4**	**21**	**3,744,878:84:0**	
909	96	352	21:25:34.733	125DL11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	21	3,744,878:84:0	
910	96	352	21:26:35.400	127DL	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,744,879:84:0	
911	**96**	**352**	**21:26:35.400**	**127DL4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,744,879:84:0**	
912	**96**	**352**	**21:26:36.066**	**127DL4B**	**37ETB**	**07,C7,19,55,5D,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,744,879:85:0**	
913	96	352	21:26:44.066	127DL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,744,880:06:0	
914	96	352	21:27:21.400	175KD422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R7	4	21	3,744,880:62:0	
915	96	352	21:27:28.066		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 3738.85 +/-	2R7	4	21	3,744,880:72:0	
916	96	352	21:27:31.400	117DL	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,744,880:77:0	
917	96	352	21:27:32.066		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *3740.35 +/-	2R7	4	21	3,744,880:78:0	
918	96	352	21:27:32.066		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 3740.35 +/-	2R7	4	21	3,744,880:78:0	
919	96	352	21:27:33.400	175KD176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R7	4	21	3,744,880:80:0	
920	96	352	21:27:34.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *3742.69 +/-	2R7	4	21	3,744,880:82:0	
921	96	352	21:27:34.733	175DL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,744,880:82:0	
922	96	352	21:27:36.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *3742.91 +/-	2R7	4	21	3,744,880:84:1	
923	96	352	21:27:37.400	175DL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,744,880:86:0	
924	96	352	21:27:37.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3743.03 +/-	2R7	4	21	3,744,880:86:3	
925	96	352	21:27:37.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3743.03 +/-	2R7	4	21	3,744,880:86:3	
926	96	352	21:27:40.733	117DL105A106A4A	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,881:00:0	
927	96	352	21:27:50.733	117DL105A106A4B	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,881:15:0	
928	**96**	**352**	**21:27:57.020**	**E4INWARMCV01-**	**NIMPBK**	**301DQ**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
929	96	352	21:27:57.400	117DL105A106A4C	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,881:25:0	
930	96	352	21:28:07.400	117DL105A106A4D	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,881:40:0	
931	**96**	**352**	**21:28:07.687**	**E4INWARMCV01-**	**DESELC**	**300DQ**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
932	96	352	21:28:14.066	117DL105A106A4E	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,881:50:0	
933	96	352	21:28:24.066	117DL105A106A4F	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,881:65:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	96	352	21:28:30.733	117DL105A106A4G	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,881:75:0	
935	96	352	21:28:40.733	117DL105A106A4H	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,881:90:0	
936	**96**	**352**	**21:28:47.020**	**E4INWARMCV01-**	**NIMPBK**	**301ER**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
937	96	352	21:28:47.400	117DL105A106A4I	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,882:09:0	
938	96	352	21:28:57.400	117DL105A106A4J	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,882:24:0	
939	**96**	**352**	**21:28:57.687**	**E4INWARMCV01-**	**DESELC**	**300ER**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
940	96	352	21:29:04.066	117DL105A106A4K	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,882:34:0	
941	96	352	21:29:14.066	117DL105A106A4L	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,882:49:0	
942	96	352	21:29:20.733	117DL105A106A4M	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,882:59:0	
943	96	352	21:29:30.733	117DL105A106A4N	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,882:74:0	
944	**96**	**352**	**21:29:37.020**	**E4INWARMCV01-**	**NIMPBK**	**301EZ**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
945	96	352	21:29:37.400	117DL105A106A4O	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,882:84:0	
946	96	352	21:29:47.400	117DL105A106A4P	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,883:08:0	
947	**96**	**352**	**21:29:47.687**	**E4INWARMCV01-**	**DESELC**	**300EZ**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
948	96	352	21:29:54.066	117DL105A106A4Q	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,883:18:0	
949	96	352	21:30:00.066	488M6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R7	4	21	3,744,883:27:0	
950	96	352	21:30:04.066	117DL105A106A4R	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,883:33:0	
951	96	352	21:30:10.733	117DL105A106A4S	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,883:43:0	
952	96	352	21:30:20.733	117DL105A106A4T	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,883:58:0	
953	**96**	**352**	**21:30:27.020**	**E4INWARMCV01-**	**NIMPBK**	**301FV**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
954	96	352	21:30:27.400	117DL105A106A4U	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,883:68:0	
955	96	352	21:30:34.066	488M6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R7	4	21	3,744,883:78:0	
956	96	352	21:30:37.400	117DL105A106A4V	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,883:83:0	
957	**96**	**352**	**21:30:37.687**	**E4INWARMCV01-**	**DESELC**	**300FV**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
958	96	352	21:30:44.066	117DL105A106A4W	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,884:02:0	
959	96	352	21:30:54.066	117DL105A106A4X	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,884:17:0	
960	96	352	21:31:00.733	117DL105A106A4Y	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,884:27:0	
961	96	352	21:31:10.733	117DL105A106A4Z	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,884:42:0	
962	96	352	21:31:17.400	117DL105A106A4AA	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,884:52:0	
963	96	352	21:31:27.400	117DL105A106A4AB	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,884:67:0	
964	**96**	**352**	**21:31:33.687**	**E4INWARMCV01-**	**NIMPBK**	**301DZ**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
965	96	352	21:31:34.066	117DL105A106A4AC	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,884:77:0	
966	96	352	21:31:44.066	117DL105A106A4AD	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,885:01:0	
967	**96**	**352**	**21:31:44.354**	**E4INWARMCV01-**	**DESELC**	**300DZ**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
968	96	352	21:31:50.733	117DL105A106A4AE	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,885:11:0	
969	96	352	21:32:00.733	117DL105A106A4AF	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,885:26:0	
970	96	352	21:32:07.400	117DL105A106A4AG	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,885:36:0	
971	96	352	21:32:17.400	117DL105A106A4AH	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,885:51:0	
972	96	352	21:32:24.066	117DL105A106A4AI	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,885:61:0	
973	96	352	21:32:34.066	117DL105A106A4AJ	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,885:76:0	
974	96	352	21:32:40.733	117DL105A106A4AK	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,885:86:0	
975	96	352	21:32:50.733	117DL105A106A4AL	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,886:10:0	
976	96	352	21:32:57.400	117DL105A106A4AM	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,886:20:0	
977	96	352	21:33:07.400	117DL105A106A4AN	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,886:35:0	
978	96	352	21:33:14.066	117DL105A106A4AO	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,886:45:0	
979	96	352	21:33:24.066	117DL105A106A4AP	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,886:60:0	
980	96	352	21:33:30.733	117DL105A106A4AQ	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,886:70:0	
981	96	352	21:33:40.733	117DL105A106A4AR	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,886:85:0	
982	**96**	**352**	**21:33:47.020**	**E4INWARMCV01-**	**NIMPBK**	**301FT**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
983	96	352	21:33:47.400	117DL105A106A4AS	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,887:04:0	
984	96	352	21:33:57.400	117DL105A106A4AT	7STRP	-0.0033,0.0,0,0,	Slew =0,1.4	2R7	4	21	3,744,887:19:0	
985	**96**	**352**	**21:33:57.687**	**E4INWARMCV01-**	**DESELC**	**300FT**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
986	96	352	21:33:59.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3832.51 +/-	2R7	4	21	3,744,887:22:0	
987	96	352	21:33:59.400	175DL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,744,887:22:0	
988	96	352	21:33:59.400	175DL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,744,887:22:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	96	352	21:34:04.066	117DL105A106A4AU	7STRP	0.0035,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,744,887:29:0	
990	96	352	21:34:14.066	117DL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,744,887:44:0	
991	**96**	**352**	**21:36:50.733**	**E4INWARMCV01-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
992	96	352	21:43:50.066	165CN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,744,896:89:0	
993	96	352	21:43:50.733	165CN4B	7SCAN	NORM,260.217999,	Check S/P Position	2R7	4	21	3,744,896:90:0	
994	**96**	**352**	**22:01:06.733**	**E4INWARMCV02-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
995	96	352	22:01:58.733	127DM	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,744,914:84:0	
996	**96**	**352**	**22:01:58.733**	**127DM4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,744,914:84:0**	
997	**96**	**352**	**22:01:59.400**	**127DM4B**	**37ETB**	**07,C7,19,55,5D,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,744,914:85:0**	
998	96	352	22:02:02.066	165DM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,744,914:89:0	
999	96	352	22:02:02.733	165DM4B	7SCAN	NORM,260.574997,	Check S/P Position	2R7	4	21	3,744,914:90:0	
1000	96	352	22:02:06.733	175KE422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R7	4	21	3,744,915:05:0	
1001	96	352	22:02:07.400	117DM	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,744,915:06:0	
1002	96	352	22:02:07.400	127DM11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,744,915:06:0	
1003	96	352	22:02:13.400		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 3832.57 +/-	2R7	4	21	3,744,915:15:0	
1004	96	352	22:02:17.400		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *3834.07 +/-	2R7	4	21	3,744,915:21:0	
1005	96	352	22:02:17.400		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 3834.07 +/-	2R7	4	21	3,744,915:21:0	
1006	96	352	22:02:18.733	175KE176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R7	4	21	3,744,915:23:0	
1007	96	352	22:02:20.066	175DM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,744,915:25:0	
1008	96	352	22:02:20.066		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *3836.42 +/-	2R7	4	21	3,744,915:25:0	
1009	96	352	22:02:21.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *3836.64 +/-	2R7	4	21	3,744,915:27:1	
1010	96	352	22:02:22.733	175DM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,744,915:29:0	
1011	96	352	22:02:22.933		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3836.76 +/-	2R7	4	21	3,744,915:29:3	
1012	96	352	22:02:22.933		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3836.76 +/-	2R7	4	21	3,744,915:29:3	
1013	96	352	22:02:23.400	117DM105A106A4A	7STRP	0.003,0.0,0,0,0,	Slew =,0.76	2R7	4	21	3,744,915:30:0	
1014	96	352	22:02:32.733	117DM105A106A4B	7STRP	-0.00275,0.0,0,0	Slew =0,1.4	2R7	4	21	3,744,915:44:0	
1015	**96**	**352**	**22:02:36.353**	**E4INWARMCV02-**	**NIMPBK**	**301DR**	**NIMS IO ECLIPSE OBS. (POST-EGRES**	**2R7**	**4**	**21**	**: :**	
1016	96	352	22:02:38.066	117DM105A106A4C	7STRP	0.003,0.0,0,0,0,	Slew =,0.76	2R7	4	21	3,744,915:52:0	
1017	**96**	**352**	**22:02:47.019**	**E4INWARMCV02-**	**DESELC**	**300DR**	**NIMS IO ECLIPSE OBS. (POST-EGRES**	**2R7**	**4**	**21**	**: :**	
1018	96	352	22:02:47.400	117DM105A106A4D	7STRP	-0.00275,0.0,0,0	Slew =0,1.4	2R7	4	21	3,744,915:66:0	
1019	96	352	22:02:52.733	117DM105A106A4E	7STRP	0.003,0.0,0,0,0,	Slew =,0.76	2R7	4	21	3,744,915:74:0	
1020	96	352	22:03:02.066	117DM105A106A4F	7STRP	-0.00275,0.0,0,0	Slew =0,1.4	2R7	4	21	3,744,915:88:0	
1021	**96**	**352**	**22:03:05.686**	**E4INWARMCV02-**	**NIMPBK**	**301LY**	**NIMS IO ECLIPSE OBS. (POST-EGRES**	**2R7**	**4**	**21**	**: :**	
1022	96	352	22:03:07.400	117DM105A106A4G	7STRP	0.003,0.0,0,0,0,	Slew =,0.76	2R7	4	21	3,744,916:05:0	
1023	**96**	**352**	**22:03:16.352**	**E4INWARMCV02-**	**DESELC**	**300LY**	**NIMS IO ECLIPSE OBS. (POST-EGRES**	**2R7**	**4**	**21**	**: :**	
1024	96	352	22:03:16.733	117DM105A106A4H	7STRP	-0.00275,0.0,0,0	Slew =0,1.4	2R7	4	21	3,744,916:19:0	
1025	96	352	22:03:22.066	117DM105A106A4I	7STRP	0.003,0.0,0,0,0,	Slew =,0.76	2R7	4	21	3,744,916:27:0	
1026	96	352	22:03:31.400	117DM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,744,916:41:0	
1027	96	352	22:03:36.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3854.05 +/-	2R7	4	21	3,744,916:49:0	
1028	96	352	22:03:36.733	175DM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,744,916:49:0	
1029	96	352	22:03:36.733	175DM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,744,916:49:0	
1030	**96**	**352**	**22:04:08.733**	**E4INWARMCV02-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
1031	96	352	22:18:12.733	165IL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,744,930:89:0	
1032	96	352	22:18:13.400	165IL4B	7SCAN	NORM,261.848,-25	Check S/P Position	2R7	4	21	3,744,930:90:0	
1033	96	352	22:22:10.733	118IL	**SMOS**	GS		2R7	4	21	3,744,934:82:0	
1034	96	352	22:22:20.733	118IL110A111A4A	7STRP	-0.0033,0.0,92,0	Slew =,3.01	2R7	4	21	3,744,935:06:0	
1035	96	352	22:22:38.066	175IK422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	21	3,744,935:32:0	
1036	96	352	22:22:44.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3854.11 +/-	2R7	4	21	3,744,935:42:0	
1037	96	352	22:22:48.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3860.38 +/-	2R7	4	21	3,744,935:48:0	
1038	96	352	22:22:48.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3860.38 +/-	2R7	4	21	3,744,935:48:0	
1039	96	352	22:22:50.066	175IK176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	21	3,744,935:50:0	
1040	96	352	22:22:51.400	118IL110A111A4B	7STRP	0.00415,0.0,0,0,	Slew =0,5.0	2R7	4	21	3,744,935:52:0	
1041	96	352	22:23:17.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3961.16 +/-	2R7	4	21	3,744,936:00:0	
1042	96	352	22:23:17.400	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,744,936:00:0	
1043	96	352	22:23:22.066	118IL110A111A4C	7STRP	-0.0033,0.0,92,0	Slew =,3.01	2R7	4	21	3,744,936:07:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	96	352	22:23:38.733	175JE422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	21	3,744,936:32:0	
1045	96	352	22:23:45.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3962.08 +/-	2R7	4	21	3,744,936:42:0	
1046	96	352	22:23:49.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3968.35 +/-	2R7	4	21	3,744,936:48:0	
1047	96	352	22:23:49.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3968.35 +/- 1	2R7	4	21	3,744,936:48:0	
1048	96	352	22:23:50.733	175JE176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	21	3,744,936:50:0	
1049	96	352	22:23:52.733	118IL11A	**SMOS**	GE		2R7	4	21	3,744,936:53:0	
1050	96	352	22:24:18.066	175JE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,744,937:00:0	
1051	96	352	22:24:18.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4069.13 +/- 1	2R7	4	21	3,744,937:00:0	
1052	96	352	22:29:23.400	488M6C	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	2R7	4	21	3,744,942:03:0	
1053	96	352	22:45:14.066	488M6D	6TMSED	FILL,EL6	Sci, Eng, and D/L Chan	2R7	4	21	3,744,957:64:0	
1054	96	352	22:49:03.400	488M6E	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2R7	4	21	3,744,961:44:0	
1055	96	353	00:38:18.066	488N6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R7	4	21	3,745,069:48:0	
1056	**96**	**353**	**01:24:20.733**	**E4JNFEA04101-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
1057	96	353	01:25:16.066	165DO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,745,115:89:0	
1058	96	353	01:25:16.733	165DO4B	7SCAN	NORM,251.726999,	Check S/P Position	2R7	4	21	3,745,115:90:0	
1059	**96**	**353**	**01:28:14.733**	**127DO4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,745,118:84:0**	
1060	96	353	01:28:14.733	127DO	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,745,118:84:0	
1061	**96**	**353**	**01:28:15.400**	**127DO4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,745,118:85:0**	
1062	96	353	01:28:23.400	127DO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,745,119:06:0	
1063	96	353	01:29:00.733	175KF422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R5	4	1	3,745,119:62:0	
1064	96	353	01:29:07.400		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 4070.05 +/- 1	2R5	4	1	3,745,119:72:0	
1065	96	353	01:29:10.733	117DO	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,119:77:0	
1066	96	353	01:29:11.400		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *4071.55 +/- 1	2R5	4	1	3,745,119:78:0	
1067	96	353	01:29:11.400		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 4071.55 +/- 1	2R5	4	1	3,745,119:78:0	
1068	96	353	01:29:12.733	175KF176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R5	4	1	3,745,119:80:0	
1069	96	353	01:29:14.066		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *4073.89 +/- 1	2R5	4	1	3,745,119:82:0	
1070	96	353	01:29:14.066	175DO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,745,119:82:0	
1071	96	353	01:29:15.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *4074.11 +/- 1	2R5	4	1	3,745,119:84:1	
1072	96	353	01:29:16.733	175DO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,745,119:86:0	
1073	96	353	01:29:16.933		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4074.23 +/- 1	2R5	4	1	3,745,119:86:3	
1074	96	353	01:29:16.933		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4074.23 +/- 1	2R5	4	1	3,745,119:86:3	
1075	**96**	**353**	**01:29:19.678**	**E4JNFEA04101-**	**NIMPBK**	**301DT**	**JUPITER CAMP. FEAT. 41 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
1076	96	353	01:29:20.066	117DO105A106A4A	7STRP	0.043527,0.0,0,0	Slew =,0.11	2R5	4	1	3,745,120:00:0	
1077	96	353	01:30:00.066	488N6B	6TMSED	NORM,BL4	Sci, Eng, and D/L Chan	2R5	4	1	3,745,120:60:0	
1078	**96**	**353**	**01:35:56.345**	**E4JNFEA04101-**	**DESELC**	**300DT**	**JUPITER CAMP. FEAT. 41 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
1079	96	353	01:35:57.400	117DO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,126:50:0	
1080	96	353	01:35:58.733	175DO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,126:52:0	
1081	96	353	01:35:58.733	175DO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,126:52:0	
1082	96	353	01:35:58.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4168.40 +/- 1	2R5	4	1	3,745,126:52:0	
1083	**96**	**353**	**01:36:28.733**	**E4JNFEA04101-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1084	**96**	**353**	**01:37:29.400**	**E4JNPFTA4101-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1085	96	353	01:38:24.733	165DP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,128:89:0	
1086	96	353	01:38:25.400	165DP4B	7SCAN	NORM,254.952999,	Check S/P Position	2R5	4	1	3,745,128:90:0	
1087	**96**	**353**	**01:39:22.066**	**127DP4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,745,129:84:0**	
1088	96	353	01:39:22.066	127DP	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,745,129:84:0	
1089	**96**	**353**	**01:39:22.733**	**127DP4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,745,129:85:0**	
1090	96	353	01:39:30.733	127DP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,745,130:06:0	
1091	96	353	01:40:08.066	175KG422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R5	4	1	3,745,130:62:0	
1092	96	353	01:40:14.733		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 4168.46 +/- 1	2R5	4	1	3,745,130:72:0	
1093	96	353	01:40:18.066	117DP	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,130:77:0	
1094	96	353	01:40:18.733		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 4169.96 +/- 1	2R5	4	1	3,745,130:78:0	
1095	96	353	01:40:18.733		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *4169.96 +/- 1	2R5	4	1	3,745,130:78:0	
1096	96	353	01:40:20.066	175KG176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R5	4	1	3,745,130:80:0	
1097	96	353	01:40:21.400		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *4172.30 +/- 1	2R5	4	1	3,745,130:82:0	
1098	96	353	01:40:21.400	175DP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,745,130:82:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	96	353	01:40:22.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *4172.52 +/- 1	2R5	4	1	3,745,130:84:1	
1100	96	353	01:40:24.066	175DP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,745,130:86:0	
1101	96	353	01:40:24.266		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4172.64 +/- 1	2R5	4	1	3,745,130:86:3	
1102	96	353	01:40:24.266		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4172.64 +/- 1	2R5	4	1	3,745,130:86:3	
1103	96	353	01:40:27.400	117DP105A106A4A	7STRP	-0.025806,0.0,0,	Slew =,0.11	2R5	4	1	3,745,131:00:0	
1104	96	353	01:44:23.400	117DP105A106A4B	7STRP	0.026006,-0.0080	Slew =12.01	2R5	4	1	3,745,134:81:0	
1105	96	353	01:44:36.733	117DP105A106A4C	7STRP	-0.025806,0.0,0,	Slew =,0.11	2R5	4	1	3,745,135:10:0	
1106	96	353	01:48:32.733	117DP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,139:00:0	
1107	96	353	01:48:34.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4287.44 +/- 1	2R5	4	1	3,745,139:02:0	
1108	96	353	01:48:34.066	175DP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,139:02:0	
1109	96	353	01:48:34.066	175DP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,139:02:0	
1110	**96**	**353**	**01:48:35.400**	**E4JNPFTA4101-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1111	**96**	**353**	**01:48:36.733**	**E4JNFEA04102-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1112	96	353	01:49:28.733	127DQ	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,745,139:84:0	
1113	**96**	**353**	**01:49:28.733**	**127DQ4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,745,139:84:0**	
1114	**96**	**353**	**01:49:29.400**	**127DQ4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,745,139:85:0**	
1115	96	353	01:49:32.066	165DQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,139:89:0	
1116	96	353	01:49:32.733	165DQ4B	7SCAN	NORM,254.997,-24	Check S/P Position	2R5	4	1	3,745,139:90:0	
1117	96	353	01:49:37.400	127DQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,745,140:06:0	
1118	96	353	01:50:14.733	175KH422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R5	4	1	3,745,140:62:0	
1119	96	353	01:50:21.400		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 4287.50 +/- 1	2R5	4	1	3,745,140:72:0	
1120	96	353	01:50:24.733	117DQ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,140:77:0	
1121	96	353	01:50:25.400		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *4289.00 +/- 1	2R5	4	1	3,745,140:78:0	
1122	96	353	01:50:25.400		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 4289.00 +/- 1	2R5	4	1	3,745,140:78:0	
1123	96	353	01:50:26.733	175KH176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R5	4	1	3,745,140:80:0	
1124	96	353	01:50:28.066		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *4291.34 +/- 1	2R5	4	1	3,745,140:82:0	
1125	96	353	01:50:28.066	175DQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,745,140:82:0	
1126	96	353	01:50:29.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *4291.56 +/- 1	2R5	4	1	3,745,140:84:1	
1127	96	353	01:50:30.733	175DQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,745,140:86:0	
1128	96	353	01:50:30.933		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4291.68 +/- 1	2R5	4	1	3,745,140:86:3	
1129	96	353	01:50:30.933		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4291.68 +/- 1	2R5	4	1	3,745,140:86:3	
1130	**96**	**353**	**01:50:33.677**	**E4JNFEA04102-**	**NIMPBK**	**301DV**	**JUPITER CAMP. FEAT. 41 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
1131	96	353	01:50:34.066	117DQ105A106A4A	7STRP	-0.047736,0.0,0,	Slew =,0.12	2R5	4	1	3,745,141:00:0	
1132	**96**	**353**	**01:50:49.011**	**E4JNFEA04102-**	**DESELC**	**300DV**	**JUPITER CAMP. FEAT. 41 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
1133	96	353	01:50:58.733	175DQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,141:37:0	
1134	96	353	01:50:58.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4298.19 +/- 1	2R5	4	1	3,745,141:37:0	
1135	96	353	01:50:58.733	175DQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,141:37:0	
1136	96	353	01:57:13.400	117DQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,147:53:0	
1137	**96**	**353**	**01:57:42.733**	**E4JNFEA04102-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1138	96	353	01:58:38.066	165GB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,148:89:0	
1139	96	353	01:58:38.733	165GB4B	7SCAN	NORM,253.116999,	Check S/P Position	2R5	4	1	3,745,148:90:0	
1140	96	353	01:59:30.733	117GB	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,149:77:0	
1141	96	353	01:59:40.066	176GB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,745,150:00:0	
1142	96	353	01:59:40.066	117GB105A106A4A	7STRP	0.03101,0.0,0,0,	Slew =0,0.1	2R5	4	1	3,745,150:00:0	
1143	96	353	02:04:54.066	117GB105A106A4B	7STRP	-0.032011,-0.001	Slew =12.01	2R5	4	1	3,745,155:16:0	
1144	96	353	02:05:00.733	117GB105A106A4C	7STRP	0.03101,0.0,0,0,	Slew =0,0.1	2R5	4	1	3,745,155:26:0	
1145	96	353	02:10:14.733	117GB105A106A4D	7STRP	-0.032011,-0.001	Slew =12.01	2R5	4	1	3,745,160:42:0	
1146	96	353	02:10:21.400	117GB105A106A4E	7STRP	0.03101,0.0,0,0,	Slew =0,0.1	2R5	4	1	3,745,160:52:0	
1147	96	353	02:12:22.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4298.25 +/- 1	2R5	4	1	3,745,162:51:0	
1148	96	353	02:12:23.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *4298.37 +/- 1	2R5	4	1	3,745,162:53:2	
1149	96	353	02:12:40.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4302.25 +/- 1	2R5	4	1	3,745,162:78:0	
1150	96	353	02:13:00.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4306.94 +/- 1	2R5	4	1	3,745,163:17:0	
1151	96	353	02:15:35.400	117GB105A106A4F	7STRP	-0.032011,-0.001	Slew =12.01	2R5	4	1	3,745,165:68:0	
1152	96	353	02:15:42.066	117GB105A106A4G	7STRP	0.03101,0.0,0,0,	Slew =0,0.1	2R5	4	1	3,745,165:78:0	
1153	96	353	02:20:56.066	117GB105A106A4H	7STRP	-0.032011,-0.001	Slew =12.01	2R5	4	1	3,745,171:03:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	96	353	02:21:02.733	117GB105A106A4I	7STRP	0.03101,0.0,0,0,	Slew =0,0.1	2R5	4	1	3,745,171:13:0	
1155	96	353	02:25:24.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4307.00 +/- 1	2R5	4	1	3,745,175:41:0	
1156	96	353	02:25:25.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *4307.11 +/- 1	2R5	4	1	3,745,175:43:2	
1157	96	353	02:25:42.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4310.99 +/- 1	2R5	4	1	3,745,175:68:0	
1158	96	353	02:26:02.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4315.68 +/- 1	2R5	4	1	3,745,176:07:0	
1159	96	353	02:26:16.733	117GB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,176:29:0	
1160	96	353	02:28:32.066	165GC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,178:50:0	
1161	96	353	02:28:32.733	165GC4B	7SCAN	NORM,252.942999,	Check S/P Position	2R5	4	1	3,745,178:51:0	
1162	96	353	02:28:50.066	117GC	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,178:77:0	
1163	96	353	02:28:59.400	117GC105A106A4A	7STRP	0.03101,0.0,0,0,	Slew =,0.11	2R5	4	1	3,745,179:00:0	
1164	96	353	02:33:44.066	117GC105A106A4B	7STRP	-0.031711,-0.001	Slew =12.01	2R5	4	1	3,745,183:63:0	
1165	96	353	02:33:51.400	117GC105A106A4C	7STRP	0.03101,0.0,0,0,	Slew =,0.11	2R5	4	1	3,745,183:74:0	
1166	96	353	02:38:26.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4315.74 +/- 1	2R5	4	1	3,745,188:31:0	
1167	96	353	02:38:27.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *4315.85 +/- 1	2R5	4	1	3,745,188:33:2	
1168	96	353	02:38:36.066	117GC105A106A4D	7STRP	-0.031711,-0.001	Slew =12.01	2R5	4	1	3,745,188:46:0	
1169	96	353	02:38:43.400	117GC105A106A4E	7STRP	0.03101,0.0,0,0,	Slew =,0.11	2R5	4	1	3,745,188:57:0	
1170	96	353	02:38:44.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4319.73 +/- 1	2R5	4	1	3,745,188:58:0	
1171	96	353	02:39:04.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4324.42 +/- 1	2R5	4	1	3,745,188:88:0	
1172	96	353	02:43:28.066	117GC105A106A4F	7STRP	-0.031711,-0.001	Slew =12.01	2R5	4	1	3,745,193:29:0	
1173	96	353	02:43:35.400	117GC105A106A4G	7STRP	0.03101,0.0,0,0,	Slew =,0.11	2R5	4	1	3,745,193:40:0	
1174	96	353	02:48:20.066	117GC105A106A4H	7STRP	-0.031711,-0.001	Slew =12.01	2R5	4	1	3,745,198:12:0	
1175	96	353	02:48:27.400	117GC105A106A4I	7STRP	0.03101,0.0,0,0,	Slew =,0.11	2R5	4	1	3,745,198:23:0	
1176	96	353	02:51:28.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4324.48 +/- 1	2R5	4	1	3,745,201:22:0	
1177	96	353	02:51:30.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *4324.59 +/- 1	2R5	4	1	3,745,201:24:2	
1178	96	353	02:51:46.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4328.31 +/- 1	2R5	4	1	3,745,201:48:0	
1179	96	353	02:52:06.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4333.00 +/- 1	2R5	4	1	3,745,201:78:0	
1180	96	353	02:53:12.066	176GB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,202:86:0	
1181	96	353	02:53:12.066	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,202:86:0	
1182	96	353	02:53:20.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4333.06 +/- 1	2R5	4	1	3,745,203:08:0	
1183	96	353	02:53:22.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *4333.18 +/- 1	2R5	4	1	3,745,203:10:2	
1184	96	353	02:53:24.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4333.62 +/- 1	2R5	4	1	3,745,203:13:0	
1185	96	353	02:53:32.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4335.49 +/- 1	2R5	4	1	3,745,203:25:0	
1186	96	353	02:56:16.066	165IM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,205:89:0	
1187	96	353	02:56:16.733	165IM4B	7SCAN	NORM,253.412998,	Check S/P Position	2R5	4	1	3,745,205:90:0	
1188	96	353	02:57:06.733	175IL422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,745,206:74:0	
1189	96	353	02:57:10.066	118IM	**SMOS**	GS		2R5	4	1	3,745,206:79:0	
1190	96	353	02:57:13.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4335.55 +/- 1	2R5	4	1	3,745,206:84:0	
1191	96	353	02:57:17.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4341.82 +/- 1	2R5	4	1	3,745,206:90:0	
1192	96	353	02:57:17.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4341.82 +/- 1	2R5	4	1	3,745,206:90:0	
1193	96	353	02:57:18.733	175IL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,745,207:01:0	
1194	96	353	02:57:20.066	118IM110A111A4A	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,745,207:03:0	
1195	96	353	02:58:06.066	118IM110A111A4B	7STRP	-0.021403,0.0,0,	Slew =,3.01	2R5	4	1	3,745,207:72:0	
1196	96	353	02:58:21.400	118IM110A111A4C	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,745,208:04:0	
1197	96	353	02:59:07.400	118IM11A	**SMOS**	GE		2R5	4	1	3,745,208:73:0	
1198	96	353	02:59:19.400	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,209:00:0	
1199	96	353	02:59:19.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4770.73 +/- 1	2R5	4	1	3,745,209:00:0	
1200	96	353	03:03:20.733	165IN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,212:89:0	
1201	96	353	03:03:21.400	165IN4B	7SCAN	NORM,253.865,-23	Check S/P Position	2R5	4	1	3,745,212:90:0	
1202	96	353	03:03:26.066	118IN	**SMOS**	GS		2R5	4	1	3,745,213:06:0	
1203	96	353	03:03:41.400	175IM422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,745,213:29:0	
1204	96	353	03:03:48.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4771.64 +/- 1	2R5	4	1	3,745,213:39:0	
1205	96	353	03:03:52.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4777.91 +/- 1	2R5	4	1	3,745,213:45:0	
1206	96	353	03:03:52.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4777.91 +/- 1	2R5	4	1	3,745,213:45:0	
1207	96	353	03:03:53.400	175IM176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,745,213:47:0	
1208	96	353	03:03:54.733	118IN110A111A4A	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,745,213:49:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	96	353	03:04:25.400	118IN110A111A4B	7STRP	-0.014301,0.0,0,	Slew =,3.01	2R5	4	1	3,745,214:04:0	
1210	96	353	03:04:40.733	118IN110A111A4C	7STRP	0.0071,0.0,46,0,	Slew =,3.01	2R5	4	1	3,745,214:27:0	
1211	96	353	03:05:11.400	118IN11A	**SMOS**	GE		2R5	4	1	3,745,214:73:0	
1212	96	353	03:05:23.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5099.01 +/- 1	2R5	4	1	3,745,215:00:0	
1213	96	353	03:05:23.400	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,215:00:0	
1214	96	353	03:09:24.733	165IO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,218:89:0	
1215	96	353	03:09:25.400	165IO4B	7SCAN	NORM,254.198999,	Check S/P Position	2R5	4	1	3,745,218:90:0	
1216	96	353	03:10:15.400	175IN422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,745,219:74:0	
1217	96	353	03:10:18.733	118IO	**SMOS**	GS		2R5	4	1	3,745,219:79:0	
1218	96	353	03:10:22.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5099.92 +/- 1	2R5	4	1	3,745,219:84:0	
1219	96	353	03:10:26.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5106.19 +/- 1	2R5	4	1	3,745,219:90:0	
1220	96	353	03:10:26.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5106.19 +/- 1	2R5	4	1	3,745,219:90:0	
1221	96	353	03:10:27.400	175IN176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,745,220:01:0	
1222	96	353	03:10:28.733	118IO110A111A4A	7STRP	0.0,-0.0071,46,0	Slew =,3.01	2R5	4	1	3,745,220:03:0	
1223	96	353	03:10:44.066	118IO110A111B4A	7STRP	0.0071,0.0071,0,	Slew =,3.01	2R5	4	1	3,745,220:26:0	
1224	96	353	03:10:59.400	118IO110A111B4B	7STRP	0.0,-0.0071,46,0	Slew =,3.01	2R5	4	1	3,745,220:49:0	
1225	96	353	03:11:14.733	118IO110A111A4B	7STRP	-0.0072,0.0071,0	Slew =,3.01	2R5	4	1	3,745,220:72:0	
1226	96	353	03:11:30.066	118IO110A111A4C	7STRP	0.0,-0.0071,46,0	Slew =,3.01	2R5	4	1	3,745,221:04:0	
1227	96	353	03:11:45.400	118IO110A111B4C	7STRP	0.0071,0.0071,0,	Slew =,3.01	2R5	4	1	3,745,221:27:0	
1228	96	353	03:12:00.733	118IO110A111B4D	7STRP	0.0,-0.0071,46,0	Slew =,3.01	2R5	4	1	3,745,221:50:0	
1229	96	353	03:12:16.066	118IO11A	**SMOS**	GE		2R5	4	1	3,745,221:73:0	
1230	96	353	03:12:28.066	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,222:00:0	
1231	96	353	03:12:28.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5535.10 +/- 1	2R5	4	1	3,745,222:00:0	
1232	**96**	**353**	**03:12:32.066**	**E4JNFEA04103-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1233	96	353	03:15:25.400	127DR	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,745,224:84:0	
1234	**96**	**353**	**03:15:25.400**	**127DR4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,745,224:84:0**	
1235	**96**	**353**	**03:15:26.066**	**127DR4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,745,224:85:0**	
1236	96	353	03:15:28.733	165DU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,224:89:0	
1237	96	353	03:15:29.400	165DU4B	7SCAN	NORM,254.844999,	Check S/P Position	2R5	4	1	3,745,224:90:0	
1238	96	353	03:15:34.066	127DR11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,745,225:06:0	
1239	96	353	03:16:18.066	175DR422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,745,225:72:0	
1240	96	353	03:16:21.400	117DU	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,225:77:0	
1241	96	353	03:16:24.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5536.01 +/- 1	2R5	4	1	3,745,225:82:0	
1242	96	353	03:16:26.200		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5536.13 +/- 1	2R5	4	1	3,745,225:84:2	
1243	96	353	03:16:26.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5536.13 +/- 1	2R5	4	1	3,745,225:84:2	
1244	96	353	03:16:27.400	175DR176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,745,225:86:0	
1245	**96**	**353**	**03:16:30.341**	**E4JNFEA04103-**	**NIMPBK**	**301DX**	**JUPITER CAMP. FEAT. 41 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
1246	96	353	03:16:30.733	117DU105A106A4A	7STRP	-0.037017,0.0,0,	Slew =,0.12	2R5	4	1	3,745,226:00:0	
1247	**96**	**353**	**03:21:40.341**	**E4JNFEA04103-**	**DESELC**	**300DX**	**JUPITER CAMP. FEAT. 41 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
1248	96	353	03:21:40.733	117DU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,231:10:0	
1249	96	353	03:23:12.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5631.26 +/- 1	2R5	4	1	3,745,232:56:0	
1250	96	353	03:23:12.066	175DR6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,232:56:0	
1251	96	353	03:23:12.066	175DR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,232:56:0	
1252	96	353	03:28:32.066	465KB6A	6DTRN	CMD,6DTRN,465KB6	DMS TRACK TURNAROUND	2R5	4	1	3,745,237:81:0	
1253	96	353	03:43:20.066	175DU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,745,252:48:0	
1254	96	353	03:43:29.400	175DU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,745,252:62:0	
1255	**96**	**353**	**03:43:44.066**	**127DU4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,745,252:84:0**	
1256	96	353	03:43:44.066	127DU	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,745,252:84:0	
1257	**96**	**353**	**03:43:44.733**	**127DU4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,745,252:85:0**	
1258	96	353	03:43:47.400	165DR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,252:89:0	
1259	96	353	03:43:48.066	165DR4B	7SCAN	NORM,254.844,-24	Check S/P Position	2R5	4	1	3,745,252:90:0	
1260	96	353	03:43:52.733	127DU11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,745,253:06:0	
1261	96	353	03:44:40.066	117DR	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,253:77:0	
1262	96	353	03:44:49.400	117DR105A106A4A	7STRP	-0.037017,0.0,0,	Slew =,0.12	2R5	4	1	3,745,254:00:0	
1263	96	353	03:49:40.733	175DU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,258:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	96	353	03:49:40.733	175DU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,258:73:0	
1265	96	353	03:49:59.400	117DR11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,259:10:0	
1266	**96**	**353**	**03:50:57.399**	**E4JNFEA04103-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1267	**96**	**353**	**03:51:30.733**	**E4JNPFTA4102-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1268	96	353	03:51:52.733	165DS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,260:89:0	
1269	96	353	03:51:53.400	165DS4B	7SCAN	NORM,254.602999,	Check S/P Position	2R5	4	1	3,745,260:90:0	
1270	96	353	03:52:50.066	127DS	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,745,261:84:0	
1271	**96**	**353**	**03:52:50.066**	**127DS4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,745,261:84:0**	
1272	**96**	**353**	**03:52:50.733**	**127DS4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,745,261:85:0**	
1273	96	353	03:52:58.733	127DS11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,745,262:06:0	
1274	96	353	03:53:42.733	175DS422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,745,262:72:0	
1275	96	353	03:53:46.066	117DS	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,262:77:0	
1276	96	353	03:53:52.066	175DS176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,745,262:86:0	
1277	96	353	03:53:55.400	117DS105A106A4A	7STRP	-0.026506,0.0,0,	Slew =,0.11	2R5	4	1	3,745,263:00:0	
1278	96	353	03:57:58.066	117DS105A106A4B	7STRP	0.026506,-0.0080	Slew =12.01	2R5	4	1	3,745,267:00:0	
1279	96	353	03:58:11.400	117DS105A106A4C	7STRP	-0.026506,0.0,0,	Slew =,0.11	2R5	4	1	3,745,267:20:0	
1280	96	353	04:02:14.066	117DS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,271:20:0	
1281	96	353	04:02:25.400	175DS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,271:37:0	
1282	96	353	04:02:25.400	175DS6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,271:37:0	
1283	**96**	**353**	**04:02:28.066**	**E4JNPFTA4102-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1284	**96**	**353**	**04:02:45.334**	**E4NNHEALTH02-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1285	96	353	04:02:56.733	125FX11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	3,745,271:84:0	
1286	96	353	04:02:56.733	125FX	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,745,271:84:0	
1287	**96**	**353**	**04:02:56.733**	**125FX4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R5**	**4**	**1**	**3,745,271:84:0**	
1288	96	353	04:03:00.066	165GD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,271:89:0	
1289	96	353	04:03:00.733	165GD4B	7SCAN	NORM,252.853998,	Check S/P Position	2R5	4	1	3,745,271:90:0	
1290	**96**	**353**	**04:03:57.400**	**127FX4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,745,272:84:0**	
1291	96	353	04:03:57.400	127FX	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,745,272:84:0	
1292	**96**	**353**	**04:03:58.066**	**127FX4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,745,272:85:0**	
1293	96	353	04:04:06.066	127FX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,745,273:06:0	
1294	**96**	**353**	**04:04:22.066**	**432EC6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,745,273:30:0**	
1295	**96**	**353**	**04:05:21.400**	**432ED6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,745,274:28:0**	
1296	**96**	**353**	**04:06:07.334**	**E4NNHEALTH02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1297	96	353	04:06:54.733	117GD	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,745,275:77:0	
1298	96	353	04:07:04.066	176GD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,745,276:00:0	
1299	96	353	04:07:04.066	117GD105A106A4A	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,276:00:0	
1300	96	353	04:08:22.733	117GD105A106A4B	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,277:27:0	
1301	96	353	04:08:34.733	117GD105A106A4C	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,277:45:0	
1302	96	353	04:09:53.400	117GD105A106A4D	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,278:72:0	
1303	96	353	04:10:05.400	117GD105A106A4E	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,278:90:0	
1304	96	353	04:11:24.066	117GD105A106A4F	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,280:26:0	
1305	96	353	04:11:36.066	117GD105A106A4G	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,280:44:0	
1306	96	353	04:12:54.733	117GD105A106A4H	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,281:71:0	
1307	96	353	04:13:06.733	117GD105A106A4I	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,281:89:0	
1308	96	353	04:14:25.400	117GD105A106A4J	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,283:25:0	
1309	96	353	04:14:37.400	117GD105A106A4K	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,283:43:0	
1310	96	353	04:15:56.066	117GD105A106A4L	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,284:70:0	
1311	96	353	04:16:08.066	117GD105A106A4M	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,284:88:0	
1312	96	353	04:17:26.733	117GD105A106A4N	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,286:24:0	
1313	96	353	04:17:38.733	117GD105A106A4O	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,286:42:0	
1314	96	353	04:18:57.400	117GD105A106A4P	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,287:69:0	
1315	96	353	04:19:09.400	117GD105A106A4Q	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,287:87:0	
1316	96	353	04:19:47.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *6026.77 +/-	2R3	4	0	3,745,288:53:1	
1317	96	353	04:19:48.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *6026.65 +/-	2R3	4	0	3,745,288:55:3	
1318	96	353	04:20:04.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *6023.11 +/-	2R3	4	0	3,745,288:78:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1319	96	353	04:20:24.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *6018.42 +/-	2R3	4	0	3,745,289:17:0
1320	96	353	04:20:28.066	117GD105A106A4R	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,289:23:0
1321	96	353	04:20:40.066	117GD105A106A4S	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,289:41:0
1322	96	353	04:21:58.733	117GD105A106A4T	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,290:68:0
1323	96	353	04:22:10.733	117GD105A106A4U	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,290:86:0
1324	96	353	04:23:29.400	117GD105A106A4V	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,292:22:0
1325	96	353	04:23:41.400	117GD105A106A4W	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,292:40:0
1326	96	353	04:25:00.066	117GD105A106A4X	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,293:67:0
1327	96	353	04:25:12.066	117GD105A106A4Y	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,293:85:0
1328	96	353	04:26:30.733	117GD105A106A4Z	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,295:21:0
1329	96	353	04:26:42.733	117GD105A106A4AA	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,295:39:0
1330	96	353	04:28:01.400	117GD105A106A4AB	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,296:66:0
1331	96	353	04:28:13.400	117GD105A106A4AC	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,296:84:0
1332	96	353	04:29:32.066	117GD105A106A4AD	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,298:20:0
1333	96	353	04:29:44.066	117GD105A106A4AE	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,298:38:0
1334	**96**	**353**	**04:30:23.334**	**E4NNRELOAD01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1335	96	353	04:31:02.733	117GD105A106A4AF	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,299:65:0
1336	96	353	04:31:14.733	117GD105A106A4AG	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,299:83:0
1337	**96**	**353**	**04:31:24.066**	**20EB6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,745,300:06:0**
1338	**96**	**353**	**04:32:24.733**	**20EB5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,745,301:06:0**
1339	96	353	04:32:33.400	117GD105A106A4AH	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,301:19:0
1340	96	353	04:32:45.400	117GD105A106A4AI	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,301:37:0
1341	96	353	04:32:49.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *6019.75 +/-	2R3	4	0	3,745,301:43:1
1342	96	353	04:32:50.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *6019.63 +/-	2R3	4	0	3,745,301:45:3
1343	96	353	04:33:06.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *6016.09 +/-	2R3	4	0	3,745,301:68:0
1344	**96**	**353**	**04:33:25.400**	**20EB5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,745,302:06:0**
1345	96	353	04:33:26.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *6011.40 +/-	2R3	4	0	3,745,302:07:0
1346	96	353	04:34:04.066	117GD105A106B4A	7STRP	-0.012001,0.0,0,	Slew =12.01	2R3	4	0	3,745,302:64:0
1347	96	353	04:34:10.066	117GD105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.21	2R3	4	0	3,745,302:73:0
1348	**96**	**353**	**04:34:26.066**	**20EB6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,745,303:06:0**
1349	96	353	04:34:56.733	117GD105A106C4A	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,303:52:0
1350	96	353	04:35:08.733	117GD105A106C4B	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,303:70:0
1351	**96**	**353**	**04:35:26.733**	**20EB6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,745,304:06:0**
1352	96	353	04:36:27.400	117GD105A106C4C	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,305:06:0
1353	**96**	**353**	**04:36:27.400**	**20EB5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,745,305:06:0**
1354	96	353	04:36:39.400	117GD105A106C4D	7STRP	0.0,-0.008401,0,	Slew =,0.21	260	4	0	3,745,305:24:0
1355	**96**	**353**	**04:37:28.066**	**20EB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,745,306:06:0**
1356	96	353	04:37:58.066	117GD105A106C4E	7STRP	0.0014,0.008401,	Slew =12.01	260	4	0	3,745,306:51:0
1357	96	353	04:38:10.066	117GD105A106C4F	7STRP	0.0,-0.008401,0,	Slew =,0.21	260	4	0	3,745,306:69:0
1358	**96**	**353**	**04:38:28.733**	**20EB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,745,307:06:0**
1359	96	353	04:39:28.733	117GD105A106C4G	7STRP	0.0014,0.008401,	Slew =12.01	2R0	4	0	3,745,308:05:0
1360	**96**	**353**	**04:39:29.400**	**20EB4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,745,308:06:0**
1361	96	353	04:39:40.733	117GD105A106C4H	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,308:23:0
1362	96	353	04:40:59.400	117GD105A106C4I	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,309:50:0
1363	96	353	04:41:11.400	117GD105A106C4J	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,309:68:0
1364	96	353	04:42:30.066	117GD105A106C4K	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,311:04:0
1365	96	353	04:42:42.066	117GD105A106C4L	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,311:22:0
1366	96	353	04:44:00.733	117GD105A106C4M	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,312:49:0
1367	96	353	04:44:12.733	117GD105A106C4N	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,312:67:0
1368	96	353	04:45:31.400	117GD105A106C4O	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,314:03:0
1369	**96**	**353**	**04:45:33.334**	**E4NNRELOAD01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1370	96	353	04:45:43.400	117GD105A106C4P	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,314:21:0
1371	96	353	04:45:51.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *6012.73 +/-	2R3	4	0	3,745,314:33:1
1372	96	353	04:45:52.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *6012.62 +/-	2R3	4	0	3,745,314:35:3
1373	96	353	04:46:08.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *6009.07 +/-	2R3	4	0	3,745,314:58:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	96	353	04:46:28.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *6004.38 +/-	2R3	4	0	3,745,314:88:0	
1375	96	353	04:47:02.066	117GD105A106C4Q	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,315:48:0	
1376	96	353	04:47:14.066	117GD105A106C4R	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,315:66:0	
1377	96	353	04:48:32.733	117GD105A106C4S	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,317:02:0	
1378	96	353	04:48:44.733	117GD105A106C4T	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,317:20:0	
1379	96	353	04:50:03.400	117GD105A106C4U	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,318:47:0	
1380	96	353	04:50:15.400	117GD105A106C4V	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,318:65:0	
1381	96	353	04:51:34.066	117GD105A106C4W	7STRP	0.0014,0.008401,	Slew =12.01	2R3	4	0	3,745,320:01:0	
1382	96	353	04:51:46.066	117GD105A106C4X	7STRP	0.0,-0.008401,0,	Slew =,0.21	2R3	4	0	3,745,320:19:0	
1383	96	353	04:53:04.733	176GD6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,745,321:46:0	
1384	96	353	04:53:04.733	117GD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,745,321:46:0	
1385	96	353	04:53:14.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *6005.71 +/-	2R3	4	0	3,745,321:61:1	
1386	96	353	04:53:16.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *6005.60 +/-	2R3	4	0	3,745,321:63:3	
1387	96	353	04:53:16.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *6005.49 +/-	2R3	4	0	3,745,321:64:0	
1388	96	353	04:53:30.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *6002.36 +/-	2R3	4	0	3,745,321:84:0	
1389	**96**	**353**	**05:32:04.066**	**E4INCHEMIS01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1390	96	353	05:32:59.400	165DT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,745,360:89:0	
1391	96	353	05:33:00.066	165DT4B	7SCAN	NORM,283.884998,	Check S/P Position	2R3	4	0	3,745,360:90:0	
1392	**96**	**353**	**05:35:58.066**	**127DT4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,745,363:84:0**	
1393	96	353	05:35:58.066	127DT	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,745,363:84:0	
1394	**96**	**353**	**05:35:58.733**	**127DT4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,745,363:85:0**	
1395	96	353	05:36:06.733	127DT11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,745,364:06:0	
1396	96	353	05:36:50.733	175DT422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,745,364:72:0	
1397	96	353	05:36:54.066	117DT	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,745,364:77:0	
1398	96	353	05:36:58.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *6003.70 +/-	2R3	4	0	3,745,364:84:1	
1399	96	353	05:37:00.066	175DT176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,745,364:86:0	
1400	96	353	05:37:00.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 6003.58 +/-	2R3	4	0	3,745,364:86:3	
1401	96	353	05:37:00.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *6003.58 +/-	2R3	4	0	3,745,364:86:3	
1402	96	353	05:37:03.400	117DT105A106A4A	7STRP	0.0064,0.0,0,0,0	Slew =,0.04	2R3	4	0	3,745,365:00:0	
1403	96	353	05:39:44.733	117DT11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,745,367:60:0	
1404	96	353	05:39:46.066	175DT6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,745,367:62:0	
1405	96	353	05:39:46.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5964.72 +/-	2R3	4	0	3,745,367:62:0	
1406	96	353	05:39:46.066	175DT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,745,367:62:0	
1407	**96**	**353**	**05:39:48.733**	**E4INCHEMIS01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1408	96	353	06:02:00.066	488P6A	6TMSED	NORM,BL4	Sci, Eng, and D/L Chan	2R3	4	0	3,745,389:61:0	
1409	96	353	07:09:02.733	165IP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,745,455:89:0	
1410	96	353	07:09:03.400	165IP4B	7SCAN	NORM,258.017998,	Check S/P Position	2R3	4	0	3,745,455:90:0	
1411	96	353	07:12:58.733	118IP	**SMOS**	GS		2R3	4	0	3,745,459:79:0	
1412	96	353	07:13:05.400	165IP4C	7VECT		Inert vect update UTC	2R3	4	0	3,745,459:89:0	
1413	96	353	07:13:06.066	165IP4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,745,459:90:0	
1414	96	353	07:13:08.733	118IP110A111A4A	7STRP	0.00065,0.0,26,0	Slew =,2.01	2R3	4	0	3,745,460:03:0	
1415	96	353	07:13:21.400	175JD422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,745,460:22:0	
1416	96	353	07:13:29.466		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *5966.05 +/-	2R3	4	0	3,745,460:34:1	
1417	96	353	07:13:34.066	175JD176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,745,460:41:0	
1418	96	353	07:13:34.666		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 5902.04 +/-	2R3	4	0	3,745,460:41:9	
1419	96	353	07:13:34.666		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *5902.04 +/-	2R3	4	0	3,745,460:41:9	
1420	96	353	07:13:34.733	118IP11A	**SMOS**	GE		2R3	4	0	3,745,460:42:0	
1421	96	353	07:13:36.733	175JD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,745,460:45:0	
1422	96	353	07:13:36.733		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *5851.18 +/-	2R3	4	0	3,745,460:45:0	
1423	96	353	07:23:38.066	488P6B	6TMSED	NORM,BL2	Sci, Eng, and D/L Chan	2R3	4	0	3,745,470:37:0	
1424	96	353	08:05:40.066	165IQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,745,511:89:0	
1425	96	353	08:05:40.733	165IQ4B	7SCAN	NORM,270.853996,	Check S/P Position	2R3	4	0	3,745,511:90:0	
1426	96	353	08:09:36.733	118IQ	**SMOS**	GS		2R3	4	0	3,745,515:80:0	
1427	96	353	08:09:42.733	165IQ4C	7VECT		Inert vect update UTC	2R3	4	0	3,745,515:89:0	
1428	96	353	08:09:43.400	165IQ4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,745,515:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1429	96	353	08:09:46.733	118IQ110A111A4A	7STRP	0.00053,0.0,26,0	Slew =,2.01	2R3	4	0	3,745,516:04:0
1430	96	353	08:09:50.066	175IO422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,745,516:09:0
1431	96	353	08:09:58.133		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *5841.57 +/-	2R3	4	0	3,745,516:21:1
1432	96	353	08:10:02.733	175IO176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,745,516:28:0
1433	96	353	08:10:03.333		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 5777.55 +/-	2R3	4	0	3,745,516:28:9
1434	96	353	08:10:03.333		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *5777.55 +/-	2R3	4	0	3,745,516:28:9
1435	96	353	08:10:04.066	118IQ11A	**SMOS**	GE		2R3	4	0	3,745,516:30:0
1436	96	353	08:10:05.400		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *5726.69 +/-	2R3	4	0	3,745,516:32:0
1437	96	353	08:10:05.400	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,745,516:32:0
1438	96	353	08:15:00.066	488P6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	3,745,521:19:0
1439	96	353	08:39:02.066	488P6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	3,745,544:89:0
1440	96	353	08:42:34.066	488P6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	3,745,548:43:0
1441	**96**	**353**	**08:46:12.066**	**E4JNAWGWIN01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1442	96	353	10:59:34.733	165GE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,745,683:89:0
1443	96	353	10:59:35.400	165GE4B	7SCAN	NORM,247.980999,	Check S/P Position	2R3	4	0	3,745,683:90:0
1444	96	353	11:03:29.400	117GE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,745,687:77:0
1445	96	353	11:03:38.733	176GE6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,745,688:00:0
1446	96	353	11:03:38.733	117GE105A106A4A	7STRP	0.0,0.003,0,0,0,	Slew =,0.29	2R3	4	0	3,745,688:00:0
1447	96	353	11:04:00.733	117GE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,745,688:33:0
1448	96	353	11:04:12.066	176GE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,745,688:50:0
1449	96	353	11:04:22.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5717.09 +/-	2R3	4	0	3,745,688:65:1
1450	96	353	11:04:23.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5716.97 +/-	2R3	4	0	3,745,688:67:3
1451	96	353	11:04:24.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5716.86 +/-	2R3	4	0	3,745,688:68:0
1452	96	353	11:04:31.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5715.14 +/-	2R3	4	0	3,745,688:79:0
1453	**96**	**353**	**11:25:57.399**	**E4JNRTHOTS01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1454	96	353	11:26:01.400	165DY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,745,710:12:0
1455	96	353	11:26:02.066	165DY4B	7SCAN	NORM,275.011997,	Check S/P Position	2R3	4	0	3,745,710:13:0
1456	96	353	11:26:49.400	125DY	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,745,710:84:0
1457	96	353	11:26:49.400	125DY11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,745,710:84:0
1458	**96**	**353**	**11:26:49.400**	**125DY4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**3,745,710:84:0**
1459	96	353	11:27:50.066	127DY	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,745,711:84:0
1460	**96**	**353**	**11:27:50.066**	**127DY4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,745,711:84:0**
1461	**96**	**353**	**11:27:50.733**	**127DY4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,745,711:85:0**
1462	96	353	11:27:58.733	127DY11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,745,712:06:0
1463	**96**	**353**	**11:28:14.733**	**432DE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,745,712:30:0**
1464	96	353	11:28:46.066	117DY	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,745,712:77:0
1465	96	353	11:28:55.400	117DY105A106A4A	7STRP	0.0017,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,745,713:00:0
1466	**96**	**353**	**11:29:14.066**	**432DF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,745,713:28:0**
1467	96	353	11:29:56.066	117DY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,745,714:00:0
1468	96	353	11:30:52.066	125DX	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,745,714:84:0
1469	**96**	**353**	**11:30:52.066**	**125DX4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**3,745,714:84:0**
1470	96	353	11:30:52.066	125DX11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,745,714:84:0
1471	**96**	**353**	**11:31:00.733**	**E4JNRTHOTS01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1472	**96**	**353**	**11:45:10.066**	**E4JNFEA01601-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1473	96	353	11:46:05.400	165DV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,745,729:89:0
1474	96	353	11:46:06.066	165DV4B	7SCAN	NORM,280.66,-24.	Check S/P Position	2R3	4	0	3,745,729:90:0
1475	**96**	**353**	**11:47:02.733**	**127DV4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,745,730:84:0**
1476	96	353	11:47:02.733	127DV	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,745,730:84:0
1477	**96**	**353**	**11:47:03.400**	**127DV4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,745,730:85:0**
1478	96	353	11:47:11.400	127DV11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,745,731:06:0
1479	96	353	11:47:55.400	175DV422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,745,731:72:0
1480	96	353	11:47:58.733	117DV	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,731:77:0
1481	96	353	11:48:03.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5716.48 +/-	2R5	4	1	3,745,731:84:1
1482	96	353	11:48:04.733	175DV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,745,731:86:0
1483	96	353	11:48:04.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5716.36 +/-	2R5	4	1	3,745,731:86:3

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1484	96	353	11:48:04.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5716.36 +/-	2R5	4	1	3,745,731:86:3
1485	**96**	**353**	**11:48:07.655**	**E4JNFEA01601-**	**NIMPBK**	**301EE**	**JUPITER CAMP. FEAT. 16 DEG. PHAS**	**2R5**	**4**	**1**	**: :**
1486	96	353	11:48:08.066	117DV105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	3,745,732:00:0
1487	**96**	**353**	**11:49:26.322**	**E4JNFEA01601-**	**DESELC**	**300EE**	**JUPITER CAMP. FEAT. 16 DEG. PHAS**	**2R5**	**4**	**1**	**: :**
1488	96	353	11:49:36.733	175DV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,733:42:0
1489	96	353	11:49:36.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5694.84 +/-	2R5	4	1	3,745,733:42:0
1490	96	353	11:49:36.733	175DV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,733:42:0
1491	96	353	11:54:48.066	117DV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,738:54:0
1492	**96**	**353**	**11:54:49.399**	**E4JNFEA01601-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
1493	96	353	11:54:58.066	165DW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,738:69:0
1494	96	353	11:54:58.733	165DW4B	7SCAN	NORM,281.507,-23	Check S/P Position	2R5	4	1	3,745,738:70:0
1495	**96**	**353**	**11:54:59.399**	**E4JNFEA01602-**		**-----START------**		**2R5**	**4**	**1**	**: :**
1496	96	353	11:55:08.066	127DW	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,745,738:84:0
1497	**96**	**353**	**11:55:08.066**	**127DW4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,745,738:84:0**
1498	**96**	**353**	**11:55:08.733**	**127DW4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,745,738:85:0**
1499	96	353	11:55:16.733	127DW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,745,739:06:0
1500	96	353	11:56:00.733	175DW422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,745,739:72:0
1501	96	353	11:56:04.066	117DW	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,739:77:0
1502	96	353	11:56:08.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5696.18 +/-	2R5	4	1	3,745,739:84:1
1503	96	353	11:56:10.066	175DW176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,745,739:86:0
1504	96	353	11:56:10.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5696.06 +/-	2R5	4	1	3,745,739:86:3
1505	96	353	11:56:10.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5696.06 +/-	2R5	4	1	3,745,739:86:3
1506	**96**	**353**	**11:56:12.989**	**E4JNFEA01602-**	**NIMPBK**	**301EF**	**JUPITER CAMP. FEAT. 16 DEG. PHAS**	**2R5**	**4**	**1**	**: :**
1507	96	353	11:56:13.400	117DW105A106A4A	7STRP	-0.043728,0.0,0,	Slew =,0.11	2R5	4	1	3,745,740:00:0
1508	**96**	**353**	**12:02:08.988**	**E4JNFEA01602-**	**DESELC**	**300EF**	**JUPITER CAMP. FEAT. 16 DEG. PHAS**	**2R5**	**4**	**1**	**: :**
1509	96	353	12:02:53.400	117DW105A106B4A	7STRP	0.041023,0.00800	Slew =12.01	2R5	4	1	3,745,746:54:0
1510	96	353	12:03:06.733	117DW105A106B4B	7STRP	-0.032712,0.0,0,	Slew =,0.11	2R5	4	1	3,745,746:74:0
1511	96	353	12:08:06.733	117DW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,751:69:0
1512	96	353	12:08:18.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5525.48 +/-	2R5	4	1	3,745,751:86:0
1513	96	353	12:08:18.066	175DW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,751:86:0
1514	96	353	12:08:18.066	175DW6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,751:86:0
1515	**96**	**353**	**12:08:20.733**	**E4JNFEA01602-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
1516	96	353	12:12:22.733	165IR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,755:89:0
1517	96	353	12:12:23.400	165IR4B	7SCAN	OVER,297.949997,	Check S/P Position	2R5	4	1	3,745,755:90:0
1518	96	353	12:14:16.066	175IP422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,745,757:77:0
1519	96	353	12:14:19.400	118IR	**SMOS**	GS		2R5	4	1	3,745,757:82:0
1520	96	353	12:14:24.066	165IR4C	7VECT		Inert vect update UTC	2R5	4	1	3,745,757:89:0
1521	96	353	12:14:24.133		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5526.81 +/-	2R5	4	1	3,745,757:89:1
1522	96	353	12:14:24.733	165IR4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,745,757:90:0
1523	96	353	12:14:28.066	175IP176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R5	4	1	3,745,758:04:0
1524	96	353	12:14:28.133		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5520.54 +/-	2R5	4	1	3,745,758:04:1
1525	96	353	12:14:28.133		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5520.54 +/-	2R5	4	1	3,745,758:04:1
1526	96	353	12:14:29.400	118IR110A111A4A	7STRP	0.0,-0.003401,92	Slew =,2.01	2R5	4	1	3,745,758:06:0
1527	96	353	12:15:00.066	118IR11A	**SMOS**	GE		2R5	4	1	3,745,758:52:0
1528	96	353	12:15:08.733	116IS4A	7STRP	0.0,-0.0003,0,0,	Slew =0,5.0	2R5	4	1	3,745,758:65:0
1529	96	353	12:15:27.400	176IA6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,745,759:02:0
1530	96	353	12:16:33.400	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,760:10:0
1531	96	353	12:16:33.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5080.15 +/-	2R5	4	1	3,745,760:10:0
1532	**96**	**353**	**12:18:32.066**	**E4INVOLCAN05-**		**-----START------**		**2R5**	**4**	**1**	**: :**
1533	**96**	**353**	**12:19:24.066**	**125FD4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R5**	**4**	**1**	**3,745,762:84:0**
1534	96	353	12:19:24.066	125FD11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	3,745,762:84:0
1535	96	353	12:19:24.066	125FD	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,745,762:84:0
1536	96	353	12:20:24.733	127FD	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,745,763:84:0
1537	**96**	**353**	**12:20:24.733**	**127FD4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,745,763:84:0**
1538	**96**	**353**	**12:20:25.400**	**127FD4B**	**37ETB**	**07,C7,19,55,5D,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,745,763:85:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1539	96	353	12:20:33.400	127FD11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,745,764:06:0
1540	96	353	12:21:28.733	165FD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,745,764:89:0
1541	96	353	12:21:29.400	165FD4B	7SCAN	OVER,297.897999,	Check S/P Position	2R7	4	21	3,745,764:90:0
1542	96	353	12:21:34.066	117FD	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,745,765:06:0
1543	96	353	12:21:46.733	175FD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,745,765:25:0
1544	96	353	12:21:54.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5080.63 +/-	2R7	4	21	3,745,765:37:1
1545	96	353	12:21:56.066	175FD176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,745,765:39:0
1546	96	353	12:21:56.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5080.51 +/-	2R7	4	21	3,745,765:39:3
1547	96	353	12:21:56.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5080.51 +/-	2R7	4	21	3,745,765:39:3
1548	96	353	12:21:56.733	117FD105A106A4A	7STRP	0.008,0.0,0,0,0,	Slew =,0.38	2R7	4	21	3,745,765:40:0
1549	96	353	12:22:21.400	117FD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,745,765:77:0
1550	96	353	12:22:24.066	165DX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,745,765:81:0
1551	96	353	12:22:24.733	165DX4B	7SCAN	NORM,281.436996,	Check S/P Position	2R7	4	21	3,745,765:82:0
1552	96	353	12:22:32.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5071.97 +/-	2R7	4	21	3,745,766:03:0
1553	96	353	12:22:32.733	175FD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,745,766:03:0
1554	96	353	12:22:32.733	175FD6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,745,766:03:0
1555	96	353	12:25:23.400	117DX	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,745,768:77:0
1556	96	353	12:25:32.733	117DX105A106A4A	7STRP	-0.022204,0.0,0,	Slew =,0.11	2R7	4	21	3,745,769:00:0
1557	96	353	12:28:55.400	117DX105A106A4B	7STRP	0.023004,-0.0080	Slew =12.01	2R7	4	21	3,745,772:31:0
1558	96	353	12:29:08.733	117DX105A106A4C	7STRP	-0.022204,0.0,0,	Slew =,0.11	2R7	4	21	3,745,772:51:0
1559	96	353	12:32:31.400	117DX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,745,775:82:0
1560	**96**	**353**	**12:32:41.399**	**E4INVOLCAN05-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**
1561	96	353	12:35:39.400	411JA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,745,779:00:0
1562	96	353	12:35:47.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5073.30 +/-	2R7	4	21	3,745,779:12:1
1563	96	353	12:35:48.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5073.18 +/-	2R7	4	21	3,745,779:14:3
1564	96	353	12:35:48.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5073.18 +/-	2R7	4	21	3,745,779:14:3
1565	96	353	12:35:49.400	411JA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R7	4	21	3,745,779:15:0
1566	96	353	12:37:50.733	411JA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,745,781:15:0
1567	96	353	12:37:53.400	175TG176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R7	4	21	3,745,781:19:0
1568	96	353	12:37:54.066	175TG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,745,781:20:0
1569	96	353	12:38:00.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5042.29 +/-	2R7	4	21	3,745,781:30:0
1570	96	353	12:38:00.733	175TG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,745,781:30:0
1571	96	353	12:40:41.400	165GG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,745,783:89:0
1572	96	353	12:40:42.066	165GG4B	7SCAN	NORM,280.994999,	Check S/P Position	2R7	4	21	3,745,783:90:0
1573	96	353	12:44:36.066	117GG	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,745,787:77:0
1574	96	353	12:44:45.400	117GG105A106A4A	7STRP	0.01,-0.035878,0	Slew =,0.76	2R7	4	21	3,745,788:00:0
1575	96	353	12:44:45.400	176GG6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R7	4	21	3,745,788:00:0
1576	96	353	12:51:39.400	117GG105A106A4B	7STRP	-0.0076,0.036957	Slew =12.01	2R7	4	21	3,745,794:75:0
1577	96	353	12:52:14.733	117GG105A106A4C	7STRP	0.01,-0.035878,0	Slew =,0.76	2R7	4	21	3,745,795:37:0
1578	96	353	12:57:28.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5043.63 +/-	2R7	4	21	3,745,800:53:1
1579	96	353	12:57:30.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5043.51 +/-	2R7	4	21	3,745,800:55:3
1580	96	353	12:57:45.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5039.96 +/-	2R7	4	21	3,745,800:78:0
1581	96	353	12:58:05.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5035.27 +/-	2R7	4	21	3,745,801:17:0
1582	96	353	12:59:08.733	117GG105A106A4D	7STRP	-0.0076,0.036957	Slew =12.01	2R7	4	21	3,745,802:21:0
1583	96	353	12:59:44.066	117GG105A106A4E	7STRP	0.01,-0.035878,0	Slew =,0.76	2R7	4	21	3,745,802:74:0
1584	**96**	**353**	**12:59:59.334**	**E4NNRELOAD02-**		**-----START------**		**2R7**	**4**	**21**	**: :**
1585	**96**	**353**	**13:01:00.066**	**20EC6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R7**	**4**	**21**	**3,745,804:06:0**
1586	**96**	**353**	**13:02:00.733**	**20EC5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R7**	**4**	**21**	**3,745,805:06:0**
1587	96	353	13:02:36.066	488Q6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R7	4	21	3,745,805:59:0
1588	**96**	**353**	**13:03:01.400**	**20EC5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R7**	**4**	**21**	**3,745,806:06:0**
1589	**96**	**353**	**13:04:02.066**	**20EC6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R7**	**4**	**21**	**3,745,807:06:0**
1590	**96**	**353**	**13:05:02.733**	**20EC6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R7**	**4**	**21**	**3,745,808:06:0**
1591	**96**	**353**	**13:06:03.400**	**20EC5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,745,809:06:0**
1592	96	353	13:06:38.066	117GG105A106A4F	7STRP	-0.0076,0.036957	Slew =12.01	260	4	0	3,745,809:58:0
1593	**96**	**353**	**13:07:04.066**	**20EC5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,745,810:06:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	96	353	13:07:13.400	117GG105A106A4G	7STRP	0.01,-0.035878,0	Slew =,0.76	260	4	0	3,745,810	20:0
1595	**96**	**353**	**13:08:04.733**	**20EC4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,745,811**	**06:0**
1596	**96**	**353**	**13:09:05.400**	**20EC4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,745,812**	**06:0**
1597	96	353	13:10:30.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5036.61 +/-	2R3	4	0	3,745,813	43:1
1598	96	353	13:10:32.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5036.49 +/-	2R3	4	0	3,745,813	45:3
1599	96	353	13:10:47.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5032.94 +/-	2R3	4	0	3,745,813	68:0
1600	96	353	13:11:07.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5028.25 +/-	2R3	4	0	3,745,814	07:0
1601	96	353	13:14:07.400	117GG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,745,817	04:0
1602	**96**	**353**	**13:15:09.334**	**E4NNRELOAD02-**		**-----STOP-------**		**2R3**	**4**	**0**	**:**	**:**
1603	96	353	13:15:22.733	176GG6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,745,818	26:0
1604	96	353	13:15:32.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5029.59 +/-	2R3	4	0	3,745,818	41:1
1605	96	353	13:15:34.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5029.47 +/-	2R3	4	0	3,745,818	43:3
1606	96	353	13:15:34.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5029.36 +/-	2R3	4	0	3,745,818	44:0
1607	96	353	13:15:46.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5026.70 +/-	2R3	4	0	3,745,818	61:0
1608	**96**	**353**	**13:22:14.066**	**E4JNPFTA1602-**		**-----START------**		**2R3**	**4**	**0**	**:**	**:**
1609	**96**	**353**	**13:23:06.066**	**125DZ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,745,825**	**84:0**
1610	96	353	13:23:06.066	125DZ	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,745,825	84:0
1611	96	353	13:23:06.066	125DZ11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,745,825	84:0
1612	**96**	**353**	**13:24:06.733**	**127DZ4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,745,826**	**84:0**
1613	96	353	13:24:06.733	127DZ	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,745,826	84:0
1614	**96**	**353**	**13:24:07.400**	**127DZ4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,745,826**	**85:0**
1615	96	353	13:24:10.066	165DZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,826	89:0
1616	96	353	13:24:10.733	165DZ4B	7SCAN	NORM,281.971996,	Check S/P Position	2R5	4	1	3,745,826	90:0
1617	96	353	13:24:15.400	127DZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,745,827	06:0
1618	96	353	13:24:59.400	175DZ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,745,827	72:0
1619	96	353	13:25:02.733	117DZ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,827	77:0
1620	96	353	13:25:07.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5028.04 +/-	2R5	4	1	3,745,827	84:1
1621	96	353	13:25:08.733	175DZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,745,827	86:0
1622	96	353	13:25:08.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5027.92 +/-	2R5	4	1	3,745,827	86:3
1623	96	353	13:25:08.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5027.92 +/-	2R5	4	1	3,745,827	86:3
1624	96	353	13:25:12.066	117DZ105A106A4A	7STRP	-0.022104,0.0,0,	Slew =,0.11	2R5	4	1	3,745,828	00:0
1625	96	353	13:28:34.733	117DZ105A106A4B	7STRP	0.023004,-0.0080	Slew =12.01	2R5	4	1	3,745,831	31:0
1626	96	353	13:28:48.066	117DZ105A106A4C	7STRP	-0.022104,0.0,0,	Slew =,0.11	2R5	4	1	3,745,831	51:0
1627	96	353	13:32:10.733	117DZ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,834	82:0
1628	96	353	13:32:22.066	175DZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,835	08:0
1629	96	353	13:32:22.066	175DZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,835	08:0
1630	96	353	13:32:22.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4926.40 +/-	2R5	4	1	3,745,835	08:0
1631	**96**	**353**	**13:33:21.399**	**E4JNPFTA1602-**		**-----STOP-------**		**2R5**	**4**	**1**	**:**	**:**
1632	**96**	**353**	**13:34:22.066**	**E4JNFEA01604-**		**-----START------**		**2R5**	**4**	**1**	**:**	**:**
1633	96	353	13:35:17.400	165EA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,837	89:0
1634	96	353	13:35:18.066	165EA4B	7SCAN	NORM,282.346996,	Check S/P Position	2R5	4	1	3,745,837	90:0
1635	**96**	**353**	**13:36:14.733**	**127EA4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,745,838**	**84:0**
1636	96	353	13:36:14.733	127EA	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,745,838	84:0
1637	**96**	**353**	**13:36:15.400**	**127EA4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,745,838**	**85:0**
1638	96	353	13:36:23.400	127EA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,745,839	06:0
1639	96	353	13:37:07.400	175EA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,745,839	72:0
1640	96	353	13:37:10.733	117EA	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,839	77:0
1641	96	353	13:37:15.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4927.74 +/-	2R5	4	1	3,745,839	84:1
1642	96	353	13:37:16.733	175EA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,745,839	86:0
1643	96	353	13:37:16.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4927.62 +/-	2R5	4	1	3,745,839	86:3
1644	96	353	13:37:16.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4927.62 +/-	2R5	4	1	3,745,839	86:3
1645	96	353	13:37:20.066	117EA105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	3,745,840	00:0
1646	96	353	13:44:00.066	117EA105A106B4A	7STRP	0.03902,-0.00800	Slew =12.01	2R5	4	1	3,745,846	54:0
1647	96	353	13:44:13.400	117EA105A106B4B	7STRP	-0.032912,0.0,0,	Slew =,0.11	2R5	4	1	3,745,846	74:0
1648	**96**	**353**	**13:44:15.651**	**E4JNFEA01604-**	**NIMPBK**	**301EJ**	**JUPITER CAMP. FEAT. 16 DEG. PHAS**	**2R5**	**4**	**1**	**:**	**:**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1649	**96**	**353**	**13:49:12.985**	**E4JNFEA01604-**	**DESELC**	**300EJ**	**JUPITER CAMP. FEAT. 16 DEG. PHAS**	**2R5**	**4**	**1**	**: :**
1650	96	353	13:49:13.400	117EA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,851:69:0
1651	96	353	13:49:24.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4757.04 +/-	2R5	4	1	3,745,851:86:0
1652	96	353	13:49:24.733	175EA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,851:86:0
1653	96	353	13:49:24.733	175EA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,851:86:0
1654	**96**	**353**	**13:49:32.066**	**E4JNFEA01604-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
1655	**96**	**353**	**13:51:33.399**	**E4JNFEASUB01-**		**-----START------**		**2R5**	**4**	**1**	**: :**
1656	96	353	13:52:28.733	165EB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,854:89:0
1657	96	353	13:52:29.400	165EB4B	7SCAN	NORM,282.841999,	Check S/P Position	2R5	4	1	3,745,854:90:0
1658	**96**	**353**	**13:55:27.400**	**127EB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,745,857:84:0**
1659	96	353	13:55:27.400	127EB	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,745,857:84:0
1660	**96**	**353**	**13:55:28.066**	**127EB4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,745,857:85:0**
1661	96	353	13:55:36.066	127EB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,745,858:06:0
1662	96	353	13:56:20.066	175EB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,745,858:72:0
1663	96	353	13:56:23.400	117EB	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,745,858:77:0
1664	96	353	13:56:28.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4758.38 +/-	2R3	4	0	3,745,858:84:1
1665	96	353	13:56:29.400	175EB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,745,858:86:0
1666	96	353	13:56:29.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4758.26 +/-	2R3	4	0	3,745,858:86:3
1667	96	353	13:56:29.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4758.26 +/-	2R3	4	0	3,745,858:86:3
1668	**96**	**353**	**13:56:32.317**	**E4JNFEASUB01-**	**NIMPBK**	**301EK**	**JUPITER CAMPAIGN FEATURE SUB- SP**	**2R3**	**4**	**0**	**: :**
1669	96	353	13:56:32.733	117EB105A106A4A	7STRP	-0.043027,0.0,0,	Slew =,0.03	2R3	4	0	3,745,859:00:0
1670	**96**	**353**	**14:07:51.650**	**E4JNFEASUB01-**	**NIMPBK**	**301EW**	**JUPITER CAMPAIGN FEATURE SUB- SP**	**2R3**	**4**	**0**	**: :**
1671	**96**	**353**	**14:08:00.317**	**E4JNFEASUB01-**	**DESELC**	**300EK**	**JUPITER CAMPAIGN FEATURE SUB- SP**	**2R3**	**4**	**0**	**: :**
1672	**96**	**353**	**14:20:29.649**	**E4JNFEASUB01-**	**DESELC**	**300EW**	**JUPITER CAMPAIGN FEATURE SUB- SP**	**2R3**	**4**	**0**	**: :**
1673	96	353	14:20:30.066	117EB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,745,882:63:0
1674	96	353	14:20:41.400	175EB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,745,882:80:0
1675	96	353	14:20:41.400	175EB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,745,882:80:0
1676	96	353	14:20:41.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4417.99 +/-	2R3	4	0	3,745,882:80:0
1677	**96**	**353**	**14:20:52.733**	**E4JNFEASUB01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1678	**96**	**353**	**14:21:53.399**	**E4INCHEMIS02-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1679	96	353	14:22:00.066	165EC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,745,884:16:0
1680	96	353	14:22:00.733	165EC4B	7SCAN	NORM,299.607998,	Check S/P Position	2R3	4	0	3,745,884:17:0
1681	**96**	**353**	**14:24:46.733**	**127EC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,745,886:84:0**
1682	96	353	14:24:46.733	127EC	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,745,886:84:0
1683	**96**	**353**	**14:24:47.400**	**127EC4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,745,886:85:0**
1684	96	353	14:24:55.400	127EC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,745,887:06:0
1685	96	353	14:25:54.066	175EC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,745,888:03:0
1686	96	353	14:25:54.733	117EC	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,745,888:04:0
1687	96	353	14:26:02.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4419.33 +/-	2R3	4	0	3,745,888:15:1
1688	96	353	14:26:03.400	175EC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,745,888:17:0
1689	96	353	14:26:03.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4419.21 +/-	2R3	4	0	3,745,888:17:3
1690	96	353	14:26:03.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4419.21 +/-	2R3	4	0	3,745,888:17:3
1691	96	353	14:26:04.066	117EC105A106A4A	7STRP	0.009,0.0,0,0,0,	Slew =,0.03	2R3	4	0	3,745,888:18:0
1692	96	353	14:31:05.400	117EC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,745,893:15:0
1693	96	353	14:31:16.733	175EC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,745,893:32:0
1694	96	353	14:31:16.733	175EC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,745,893:32:0
1695	96	353	14:31:16.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4345.82 +/-	2R3	4	0	3,745,893:32:0
1696	**96**	**353**	**14:32:00.066**	**E4INCHEMIS02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1697	96	353	14:32:00.066	117GF	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,745,894:06:0
1698	96	353	14:32:01.400	165GF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,745,894:08:0
1699	96	353	14:32:02.066	165GF4B	7SCAN	NORM,299.565998,	Check S/P Position	2R3	4	0	3,745,894:09:0
1700	96	353	14:32:29.400	117GF105A106A4A	7STRP	0.0091,0.0,0,0,0	Slew =,0.11	2R3	4	0	3,745,894:50:0
1701	96	353	14:32:29.400	176GF6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,745,894:50:0
1702	96	353	14:33:56.733	117GF105A106A4B	7STRP	-0.009,0.0012,0,	Slew =,2.01	2R3	4	0	3,745,895:90:0
1703	96	353	14:34:04.733	117GF105A106A4C	7STRP	0.0091,0.0,0,0,0	Slew =,0.11	2R3	4	0	3,745,896:11:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	96	353	14:35:32.066	117GF105A106A4D	7STRP	-0.009,0.0012,0,	Slew =,2.01	2R3	4	0	3,745,897:51:0	
1705	96	353	14:35:40.066	117GF105A106A4E	7STRP	0.0091,0.0,0,0,0	Slew =,0.11	2R3	4	0	3,745,897:63:0	
1706	96	353	14:37:07.400	117GF105A106A4F	7STRP	-0.009,0.0012,0,	Slew =,2.01	2R3	4	0	3,745,899:12:0	
1707	96	353	14:37:15.400	117GF105A106A4G	7STRP	0.0091,0.0,0,0,0	Slew =,0.11	2R3	4	0	3,745,899:24:0	
1708	96	353	14:38:42.733	117GF105A106A4H	7STRP	-0.009,0.0012,0,	Slew =,2.01	2R3	4	0	3,745,900:64:0	
1709	96	353	14:38:50.733	117GF105A106A4I	7STRP	0.0091,0.0,0,0,0	Slew =,0.11	2R3	4	0	3,745,900:76:0	
1710	96	353	14:40:18.066	117GF105A106A4J	7STRP	-0.009,0.0012,0,	Slew =,2.01	2R3	4	0	3,745,902:25:0	
1711	96	353	14:40:26.066	117GF105A106A4K	7STRP	0.0091,0.0,0,0,0	Slew =,0.11	2R3	4	0	3,745,902:37:0	
1712	96	353	14:41:53.400	117GF105A106A4L	7STRP	-0.009,0.0012,0,	Slew =,2.01	2R3	4	0	3,745,903:77:0	
1713	96	353	14:42:01.400	117GF105A106A4M	7STRP	0.0091,0.0,0,0,0	Slew =,0.11	2R3	4	0	3,745,903:89:0	
1714	96	353	14:43:28.733	176GF6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,745,905:38:0	
1715	96	353	14:43:28.733	117GF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,745,905:38:0	
1716	96	353	14:43:38.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4347.15 +/-	2R3	4	0	3,745,905:53:1	
1717	96	353	14:43:40.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4347.03 +/-	2R3	4	0	3,745,905:55:3	
1718	96	353	14:43:40.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4346.92 +/-	2R3	4	0	3,745,905:56:0	
1719	96	353	14:43:58.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4342.86 +/-	2R3	4	0	3,745,905:82:0	
1720	**96**	**353**	**15:03:20.733**	**E4JNPFTB1603-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1721	96	353	15:04:02.066	165ED4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,745,925:68:0	
1722	96	353	15:04:02.733	165ED4B	7SCAN	NORM,284.134998,	Check S/P Position	2R3	4	0	3,745,925:69:0	
1723	96	353	15:07:14.733	127ED	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,745,928:84:0	
1724	**96**	**353**	**15:07:14.733**	**127ED4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,745,928:84:0**	
1725	**96**	**353**	**15:07:15.400**	**127ED4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,745,928:85:0**	
1726	96	353	15:07:23.400	127ED11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,745,929:06:0	
1727	96	353	15:08:07.400	175ED422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,745,929:72:0	
1728	96	353	15:08:10.733	117ED	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,929:77:0	
1729	96	353	15:08:15.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4344.19 +/-	2R5	4	1	3,745,929:84:1	
1730	96	353	15:08:16.733	175ED176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,745,929:86:0	
1731	96	353	15:08:16.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4344.08 +/-	2R5	4	1	3,745,929:86:3	
1732	96	353	15:08:16.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4344.08 +/-	2R5	4	1	3,745,929:86:3	
1733	**96**	**353**	**15:08:19.648**	**E4JNPFTB1603,**	**NIMPBK**	**301EM**	**JUP. PARTIAL FEAT. TR. FOR FEAT.**	**2R5**	**4**	**1**	**: :**	
1734	96	353	15:08:20.066	117ED105A106A4A	7STRP	-0.019502,0.0,0,	Slew =,0.11	2R5	4	1	3,745,930:00:0	
1735	**96**	**353**	**15:08:44.982**	**E4JNPFTB1603,**	**DESELC**	**300EM**	**JUP. PARTIAL FEAT. TR. FOR FEAT.**	**2R5**	**4**	**1**	**: :**	
1736	96	353	15:08:54.733	175ED422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,930:52:0	
1737	96	353	15:08:54.733	175ED6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,930:52:0	
1738	96	353	15:08:54.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4335.22 +/-	2R5	4	1	3,745,930:52:0	
1739	96	353	15:11:18.733	117ED11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,932:86:0	
1740	**96**	**353**	**15:11:26.066**	**E4JNPFTB1603-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1741	**96**	**353**	**15:11:32.733**	**E4JNPFTA1603-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1742	96	353	15:11:41.400	165EE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,933:29:0	
1743	96	353	15:11:42.066	165EE4B	7SCAN	NORM,284.209,-22	Check S/P Position	2R5	4	1	3,745,933:30:0	
1744	96	353	15:12:18.066	127EE	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,745,933:84:0	
1745	**96**	**353**	**15:12:18.066**	**127EE4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,745,933:84:0**	
1746	**96**	**353**	**15:12:18.733**	**127EE4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,745,933:85:0**	
1747	96	353	15:12:26.733	127EE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,745,934:06:0	
1748	96	353	15:13:10.733	175EE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,745,934:72:0	
1749	96	353	15:13:14.066	117EE	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,934:77:0	
1750	96	353	15:13:18.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4336.55 +/-	2R5	4	1	3,745,934:84:1	
1751	96	353	15:13:20.066	175EE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,745,934:86:0	
1752	96	353	15:13:20.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4336.43 +/-	2R5	4	1	3,745,934:86:3	
1753	96	353	15:13:20.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4336.43 +/-	2R5	4	1	3,745,934:86:3	
1754	96	353	15:13:23.400	117EE105A106A4A	7STRP	-0.018002,0.0,0,	Slew =,0.11	2R5	4	1	3,745,935:00:0	
1755	96	353	15:17:04.066	117EE105A106A4B	7STRP	0.020003,-0.0080	Slew =12.01	2R5	4	1	3,745,938:58:0	
1756	96	353	15:17:20.066	117EE105A106A4C	7STRP	-0.018002,0.0,0,	Slew =,0.11	2R5	4	1	3,745,938:82:0	
1757	96	353	15:20:34.733	175EE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,942:10:0	
1758	96	353	15:20:34.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4234.60 +/-	2R5	4	1	3,745,942:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	96	353	15:20:34.733	175EE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,942:10:0	
1760	96	353	15:21:00.733	117EE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,942:49:0	
1761	**96**	**353**	**15:23:34.066**	**E4JNPFTA1603-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1762	96	353	15:24:29.400	165EF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,745,945:89:0	
1763	96	353	15:24:30.066	165EF4B	7SCAN	NORM,285.703999,	Check S/P Position	2R5	4	1	3,745,945:90:0	
1764	**96**	**353**	**15:24:34.733**	**E4JNFEA01605-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1765	**96**	**353**	**15:25:26.733**	**127EF4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,745,946:84:0**	
1766	96	353	15:25:26.733	127EF	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,745,946:84:0	
1767	**96**	**353**	**15:25:27.400**	**127EF4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,745,946:85:0**	
1768	96	353	15:25:35.400	127EF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,745,947:06:0	
1769	96	353	15:26:19.400	175EF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,745,947:72:0	
1770	96	353	15:26:22.733	117EF	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,745,947:77:0	
1771	96	353	15:26:27.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4235.94 +/-	2R5	4	1	3,745,947:84:1	
1772	96	353	15:26:28.733	175EF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,745,947:86:0	
1773	96	353	15:26:28.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4235.82 +/-	2R5	4	1	3,745,947:86:3	
1774	96	353	15:26:28.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4235.82 +/-	2R5	4	1	3,745,947:86:3	
1775	96	353	15:26:32.066	117EF105A106A4A	7STRP	-0.032011,0.0,0,	Slew =,0.11	2R5	4	1	3,745,948:00:0	
1776	96	353	15:33:41.400	117EF105A106B4A	7STRP	0.023004,-0.0070	Slew =12.01	2R5	4	1	3,745,955:07:0	
1777	96	353	15:33:59.400	117EF105A106B4B	7STRP	-0.017002,0.0,0,	Slew =,0.11	2R5	4	1	3,745,955:34:0	
1778	96	353	15:35:20.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4111.18 +/-	2R5	4	1	3,745,956:65:0	
1779	96	353	15:35:20.733	175EF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,745,956:65:0	
1780	96	353	15:35:20.733	175EF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,745,956:65:0	
1781	96	353	15:39:25.400	117EF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,745,960:68:0	
1782	**96**	**353**	**15:39:44.733**	**E4JNFEA01605-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1783	96	353	15:53:26.066	488Q6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R5	4	1	3,745,974:55:0	
1784	**96**	**353**	**16:41:25.399**	**E4JNAWGWIN01-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1785	**96**	**353**	**16:59:37.334**	**E4NNRELOAD03-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1786	**96**	**353**	**17:00:38.066**	**20ED6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R5**	**4**	**1**	**3,746,041:06:0**	
1787	**96**	**353**	**17:01:38.733**	**20ED5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**3,746,042:06:0**	
1788	**96**	**353**	**17:02:39.400**	**20ED5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**3,746,043:06:0**	
1789	**96**	**353**	**17:03:40.066**	**20ED6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**3,746,044:06:0**	
1790	**96**	**353**	**17:04:40.733**	**20ED6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**3,746,045:06:0**	
1791	**96**	**353**	**17:05:41.400**	**20ED5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,746,046:06:0**	
1792	**96**	**353**	**17:06:42.066**	**20ED5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,746,047:06:0**	
1793	**96**	**353**	**17:07:42.733**	**20ED4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,746,048:06:0**	
1794	**96**	**353**	**17:08:43.400**	**20ED4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,746,049:06:0**	
1795	96	353	17:11:42.066	488Q6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	3,746,052:01:0	
1796	**96**	**353**	**17:14:47.334**	**E4NNRELOAD03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1797	96	353	17:31:53.400	165EG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,746,071:89:0	
1798	96	353	17:31:54.066	165EG4B	7SCAN	NORM,297.811996,	Check S/P Position	2R3	4	0	3,746,071:90:0	
1799	**96**	**353**	**17:31:58.733**	**E4INCHEMIS03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1800	96	353	17:35:52.733	127EG	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,746,075:84:0	
1801	**96**	**353**	**17:35:52.733**	**127EG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,746,075:84:0**	
1802	**96**	**353**	**17:35:53.400**	**127EG4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,746,075:85:0**	
1803	96	353	17:36:01.400	127EG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,746,076:06:0	
1804	96	353	17:36:45.400	175EG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,746,076:72:0	
1805	96	353	17:36:48.733	117EG	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,746,076:77:0	
1806	96	353	17:36:53.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4112.51 +/-	2R3	4	0	3,746,076:84:1	
1807	96	353	17:36:54.733	175EG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,746,076:86:0	
1808	96	353	17:36:54.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4112.39 +/-	2R3	4	0	3,746,076:86:3	
1809	96	353	17:36:54.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4112.39 +/-	2R3	4	0	3,746,076:86:3	
1810	96	353	17:36:58.066	117EG105A106A4A	7STRP	0.013201,0.0,0,0	Slew =,0.03	2R3	4	0	3,746,077:00:0	
1811	96	353	17:44:19.400	117EG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,746,084:25:0	
1812	96	353	17:44:30.733	175EG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,746,084:42:0	
1813	96	353	17:44:30.733	175EG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,746,084:42:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1814	96	353	17:44:30.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4005.57 +/-	2R3	4	0	3,746,084:42:0	
1815	**96**	**353**	**17:45:07.400**	**E4INCHEMIS03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1816	96	353	17:49:33.400	488Q6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	3,746,089:41:0	
1817	**96**	**353**	**17:50:10.667**	**E4NNFULMRO01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1818	**96**	**353**	**17:50:10.733**	**480EA6A**	**6MROH**	**37,1000,29,A2**	**read from NIMS37,1000,29,A**	**2R3**	**4**	**0**	**3,746,090:06:0**	
1819	96	353	18:20:42.066	488Q6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	3,746,120:23:0	
1820	96	353	18:31:32.733	165GH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,746,130:89:0	
1821	96	353	18:31:33.400	165GH4B	7SCAN	NORM,300.533997,	Check S/P Position	2R3	4	0	3,746,130:90:0	
1822	96	353	18:35:27.400	117GH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,746,134:77:0	
1823	96	353	18:35:36.733	117GH105A106A4A	7STRP	0.033012,0.17370	Slew =,0.45	2R3	4	0	3,746,135:00:0	
1824	96	353	18:35:36.733	176GH6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,746,135:00:0	
1825	96	353	18:48:20.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4006.90 +/-	2R3	4	0	3,746,147:53:1	
1826	96	353	18:48:21.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4006.78 +/-	2R3	4	0	3,746,147:55:3	
1827	96	353	18:48:36.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4003.24 +/-	2R3	4	0	3,746,147:78:0	
1828	96	353	18:48:56.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3998.55 +/-	2R3	4	0	3,746,148:17:0	
1829	96	353	19:01:22.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3999.88 +/-	2R3	4	0	3,746,160:43:1	
1830	96	353	19:01:23.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3999.76 +/-	2R3	4	0	3,746,160:45:3	
1831	96	353	19:01:38.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3996.22 +/-	2R3	4	0	3,746,160:68:0	
1832	96	353	19:01:58.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3991.53 +/-	2R3	4	0	3,746,161:07:0	
1833	96	353	19:02:54.733	117GH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,746,162:00:0	
1834	96	353	19:06:11.400	176GH6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,746,165:22:0	
1835	96	353	19:06:21.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3992.86 +/-	2R3	4	0	3,746,165:37:1	
1836	96	353	19:06:22.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3992.74 +/-	2R3	4	0	3,746,165:39:3	
1837	96	353	19:06:23.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3992.64 +/-	2R3	4	0	3,746,165:40:0	
1838	96	353	19:06:34.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3989.98 +/-	2R3	4	0	3,746,165:57:0	
1839	96	353	19:10:38.066	488R6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	3,746,169:58:0	
1840	96	353	19:50:24.733	165GI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,746,208:89:0	
1841	96	353	19:50:25.400	165GI4B	7SCAN	NORM,237.016998,	Check S/P Position	2R3	4	0	3,746,208:90:0	
1842	96	353	19:54:19.400	117GI	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,746,212:77:0	
1843	96	353	19:54:28.733	117GI105A106A4A	7STRP	0.018002,0.0,0,0	Slew =0,0.1	2R3	4	0	3,746,213:00:0	
1844	96	353	19:54:28.733	176GI6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,746,213:00:0	
1845	96	353	19:57:31.400	117GI105A106A4B	7STRP	-0.018252,-0.001	Slew =,8.51	2R3	4	0	3,746,216:01:0	
1846	96	353	19:57:38.066	117GI105A106A4C	7STRP	0.018002,0.0,0,0	Slew =0,0.1	2R3	4	0	3,746,216:11:0	
1847	96	353	20:00:40.733	117GI105A106A4D	7STRP	-0.018252,-0.001	Slew =,8.51	2R3	4	0	3,746,219:12:0	
1848	96	353	20:00:47.400	117GI105A106A4E	7STRP	0.018002,0.0,0,0	Slew =0,0.1	2R3	4	0	3,746,219:22:0	
1849	96	353	20:03:50.066	117GI105A106A4F	7STRP	-0.018252,-0.001	Slew =,8.51	2R3	4	0	3,746,222:23:0	
1850	96	353	20:03:56.733	117GI105A106A4G	7STRP	0.018002,0.0,0,0	Slew =0,0.1	2R3	4	0	3,746,222:33:0	
1851	96	353	20:06:59.400	117GI105A106A4H	7STRP	-0.018252,-0.001	Slew =,8.51	2R3	4	0	3,746,225:34:0	
1852	96	353	20:07:06.066	117GI105A106A4I	7STRP	0.018002,0.0,0,0	Slew =0,0.1	2R3	4	0	3,746,225:44:0	
1853	96	353	20:07:12.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3991.31 +/-	2R3	4	0	3,746,225:53:1	
1854	96	353	20:07:13.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3991.20 +/-	2R3	4	0	3,746,225:55:3	
1855	96	353	20:07:28.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3987.65 +/-	2R3	4	0	3,746,225:78:0	
1856	96	353	20:07:48.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3982.96 +/-	2R3	4	0	3,746,226:17:0	
1857	96	353	20:10:08.733	117GI105A106A4J	7STRP	-0.018252,-0.001	Slew =,8.51	2R3	4	0	3,746,228:45:0	
1858	96	353	20:10:15.400	117GI105A106A4K	7STRP	0.018002,0.0,0,0	Slew =0,0.1	2R3	4	0	3,746,228:55:0	
1859	96	353	20:13:18.066	117GI105A106A4L	7STRP	-0.018252,-0.001	Slew =,8.51	2R3	4	0	3,746,231:56:0	
1860	96	353	20:13:24.733	117GI105A106A4M	7STRP	0.018002,0.0,0,0	Slew =0,0.1	2R3	4	0	3,746,231:66:0	
1861	96	353	20:16:27.400	117GI105A106A4N	7STRP	-0.018252,-0.001	Slew =,8.51	2R3	4	0	3,746,234:67:0	
1862	96	353	20:16:34.066	117GI105A106A4O	7STRP	0.018002,0.0,0,0	Slew =0,0.1	2R3	4	0	3,746,234:77:0	
1863	96	353	20:19:36.733	117GI105A106A4P	7STRP	-0.018252,-0.001	Slew =,8.51	2R3	4	0	3,746,237:78:0	
1864	96	353	20:19:43.400	117GI105A106A4Q	7STRP	0.018002,0.0,0,0	Slew =0,0.1	2R3	4	0	3,746,237:88:0	
1865	96	353	20:20:14.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3984.29 +/-	2R3	4	0	3,746,238:43:1	
1866	96	353	20:20:15.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3984.18 +/-	2R3	4	0	3,746,238:45:3	
1867	96	353	20:20:30.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3980.63 +/-	2R3	4	0	3,746,238:68:0	
1868	96	353	20:20:50.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3975.94 +/-	2R3	4	0	3,746,239:07:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	96	353	20:22:46.066	117GI105A106A4R	7STRP	-0.018252,-0.001	Slew =,8.51	2R3	4	0	3,746,240	89:0
1870	96	353	20:22:52.733	117GI105A106A4S	7STRP	0.018002,0.0,0,0	Slew =0,0.1	2R3	4	0	3,746,241	08:0
1871	96	353	20:25:55.400	117GI105A106A4T	7STRP	-0.018252,-0.001	Slew =,8.51	2R3	4	0	3,746,244	09:0
1872	96	353	20:26:02.066	117GI105A106A4U	7STRP	0.018002,0.0,0,0	Slew =0,0.1	2R3	4	0	3,746,244	19:0
1873	96	353	20:29:04.733	117GI105A106A4V	7STRP	-0.018252,-0.001	Slew =,8.51	2R3	4	0	3,746,247	20:0
1874	96	353	20:29:11.400	117GI105A106A4W	7STRP	0.018002,0.0,0,0	Slew =0,0.1	2R3	4	0	3,746,247	30:0
1875	96	353	20:32:14.066	117GI105A106A4X	7STRP	-0.018252,-0.001	Slew =,8.51	2R3	4	0	3,746,250	31:0
1876	96	353	20:32:20.733	117GI105A106A4Y	7STRP	0.018002,0.0,0,0	Slew =0,0.1	2R3	4	0	3,746,250	41:0
1877	96	353	20:33:16.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3977.28 +/- 1	2R3	4	0	3,746,251	33:1
1878	96	353	20:33:17.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3977.16 +/- 1	2R3	4	0	3,746,251	35:3
1879	96	353	20:33:32.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3973.61 +/- 1	2R3	4	0	3,746,251	58:0
1880	96	353	20:33:52.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3968.92 +/- 1	2R3	4	0	3,746,251	88:0
1881	96	353	20:35:06.066	488R6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	3,746,253	16:0
1882	96	353	20:35:23.400	117GI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,746,253	42:0
1883	96	353	20:38:13.400	176GI6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,746,256	24:0
1884	96	353	20:38:23.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3970.26 +/- 1	2R3	4	0	3,746,256	39:1
1885	96	353	20:38:24.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3970.14 +/- 1	2R3	4	0	3,746,256	41:3
1886	96	353	20:38:25.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3970.03 +/- 1	2R3	4	0	3,746,256	42:0
1887	96	353	20:38:36.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3967.37 +/- 1	2R3	4	0	3,746,256	59:0
1888	96	353	21:07:06.066	488R6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	3,746,284	75:0
1889	**96**	**353**	**21:10:22.667**	**E4NNFULMRO01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1890	**96**	**353**	**21:14:25.400**	**E4INHRSPEC01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1891	96	353	21:14:52.066	165EH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,746,292	46:0
1892	96	353	21:14:52.733	165EH4B	7SCAN	NORM,294.498997,	Check S/P Position	2R3	4	0	3,746,292	47:0
1893	96	353	21:18:19.400	127EH	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,746,295	84:0
1894	**96**	**353**	**21:18:19.400**	**127EH4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,746,295**	**84:0**
1895	**96**	**353**	**21:18:20.066**	**127EH4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,746,295**	**85:0**
1896	96	353	21:18:28.066	117EH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,746,296	06:0
1897	96	353	21:18:28.066	127EH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,746,296	06:0
1898	96	353	21:18:46.066	175EH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,746,296	33:0
1899	96	353	21:18:54.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3968.71 +/- 1	2R3	4	0	3,746,296	45:1
1900	96	353	21:18:55.400	175EH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,746,296	47:0
1901	96	353	21:18:55.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3968.59 +/- 1	2R3	4	0	3,746,296	47:3
1902	96	353	21:18:55.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 3968.59 +/- 1	2R3	4	0	3,746,296	47:3
1903	96	353	21:18:56.066	117EH105A106A4A	7STRP	-0.012801,0.0,0,	Slew =,0.03	2R3	4	0	3,746,296	48:0
1904	**96**	**353**	**21:18:56.301**	**E4INHRSPEC01-**	**NIMPBK**	**301ES**	**HIGH SPATIAL & SPECTRAL OBS. OF**	**2R3**	**4**	**0**	**: :**	
1905	**96**	**353**	**21:19:56.301**	**E4INHRSPEC01-**	**DESELC**	**300ES**	**HIGH SPATIAL & SPECTRAL OBS. OF**	**2R3**	**4**	**0**	**: :**	
1906	96	353	21:26:04.066	117EH105A106A4B	7STRP	0.011901,0.00300	Slew =,3.01	2R3	4	0	3,746,303	53:0
1907	96	353	21:26:20.066	117EH105A106A4C	7STRP	-0.012801,0.0,0,	Slew =,0.03	2R3	4	0	3,746,303	77:0
1908	**96**	**353**	**21:27:20.968**	**E4INHRSPEC01-**	**NIMPBK**	**301DH**	**HIGH SPATIAL & SPECTRAL OBS. OF**	**2R3**	**4**	**0**	**: :**	
1909	**96**	**353**	**21:32:45.634**	**E4INHRSPEC01-**	**DESELC**	**300DH**	**HIGH SPATIAL & SPECTRAL OBS. OF**	**2R3**	**4**	**0**	**: :**	
1910	96	353	21:33:28.066	117EH105A106A4D	7STRP	0.011901,0.00300	Slew =,3.01	2R3	4	0	3,746,310	82:0
1911	96	353	21:33:44.066	117EH105A106A4E	7STRP	-0.012801,0.0,0,	Slew =,0.03	2R3	4	0	3,746,311	15:0
1912	96	353	21:40:52.066	117EH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,746,318	20:0
1913	96	353	21:41:03.400	175EH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,746,318	37:0
1914	96	353	21:41:03.400	175EH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,746,318	37:0
1915	96	353	21:41:03.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3657.39 +/- 1	2R3	4	0	3,746,318	37:0
1916	**96**	**353**	**21:50:49.399**	**E4INHRSPEC01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1917	96	353	22:02:52.000	165GJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,746,339	89:0
1918	96	353	22:02:52.666	165GJ4B	7SCAN	NORM,295.552998,	Check S/P Position	2R3	4	0	3,746,339	90:0
1919	96	353	22:06:46.666	117GJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,746,343	77:0
1920	96	353	22:06:56.000	176GJ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,746,344	00:0
1921	96	353	22:06:56.000	117GJ105A106A4A	7STRP	0.01,0.0,0,0,0,0	Slew =,0.08	2R3	4	0	3,746,344	00:0
1922	96	353	22:09:03.333	117GJ105A106A4B	7STRP	-0.01075,0.00148	Slew =,4.01	2R3	4	0	3,746,346	09:0
1923	96	353	22:09:10.000	117GJ105A106A4C	7STRP	0.01,0.0,0,0,0,0	Slew =,0.08	2R3	4	0	3,746,346	19:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1924	96	353	22:11:17.333	117GJ105A106A4D	7STRP	-0.01075,0.00148	Slew =,4.01	2R3	4	0	3,746,348:28:0	
1925	96	353	22:11:24.000	117GJ105A106A4E	7STRP	0.01,0.0,0,0,0,0	Slew =,0.08	2R3	4	0	3,746,348:38:0	
1926	96	353	22:13:31.333	117GJ105A106A4F	7STRP	-0.01075,0.00148	Slew =,4.01	2R3	4	0	3,746,350:47:0	
1927	96	353	22:13:38.000	117GJ105A106A4G	7STRP	0.01,0.0,0,0,0,0	Slew =,0.08	2R3	4	0	3,746,350:57:0	
1928	96	353	22:15:45.333	117GJ105A106A4H	7STRP	-0.01075,0.00148	Slew =,4.01	2R3	4	0	3,746,352:66:0	
1929	96	353	22:15:52.000	117GJ105A106A4I	7STRP	0.01,0.0,0,0,0,0	Slew =,0.08	2R3	4	0	3,746,352:76:0	
1930	96	353	22:17:59.333	117GJ105A106A4J	7STRP	-0.01075,0.00148	Slew =,4.01	2R3	4	0	3,746,354:85:0	
1931	96	353	22:18:06.000	117GJ105A106A4K	7STRP	0.01,0.0,0,0,0,0	Slew =,0.08	2R3	4	0	3,746,355:04:0	
1932	96	353	22:19:39.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3658.72 +/- 1	2R3	4	0	3,746,356:53:1	
1933	96	353	22:19:40.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3658.60 +/- 1	2R3	4	0	3,746,356:55:3	
1934	96	353	22:19:56.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3655.05 +/- 1	2R3	4	0	3,746,356:78:0	
1935	96	353	22:20:13.333	117GJ105A106A4L	7STRP	-0.01075,0.00148	Slew =,4.01	2R3	4	0	3,746,357:13:0	
1936	96	353	22:20:16.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3650.37 +/- 1	2R3	4	0	3,746,357:17:0	
1937	96	353	22:20:20.000	117GJ105A106A4M	7STRP	0.01,0.0,0,0,0,0	Slew =,0.08	2R3	4	0	3,746,357:23:0	
1938	96	353	22:21:41.333	488R6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	3,746,358:54:0	
1939	96	353	22:22:27.333	117GJ105A106A4N	7STRP	-0.01075,0.00148	Slew =,4.01	2R3	4	0	3,746,359:32:0	
1940	96	353	22:22:34.000	117GJ105A106A4O	7STRP	0.01,0.0,0,0,0,0	Slew =,0.08	2R3	4	0	3,746,359:42:0	
1941	96	353	22:24:41.333	117GJ105A106A4P	7STRP	-0.01075,0.00148	Slew =,4.01	2R3	4	0	3,746,361:51:0	
1942	96	353	22:24:48.000	117GJ105A106A4Q	7STRP	0.01,0.0,0,0,0,0	Slew =,0.08	2R3	4	0	3,746,361:61:0	
1943	96	353	22:26:55.333	117GJ105A106A4R	7STRP	-0.01075,0.00148	Slew =,4.01	2R3	4	0	3,746,363:70:0	
1944	96	353	22:27:02.000	117GJ105A106A4S	7STRP	0.01,0.0,0,0,0,0	Slew =,0.08	2R3	4	0	3,746,363:80:0	
1945	96	353	22:29:09.333	176GJ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,746,365:89:0	
1946	96	353	22:29:09.333	117GJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,746,365:89:0	
1947	96	353	22:29:19.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3651.70 +/- 1	2R3	4	0	3,746,366:13:1	
1948	96	353	22:29:20.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3651.58 +/- 1	2R3	4	0	3,746,366:15:3	
1949	96	353	22:29:21.333		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3651.47 +/- 1	2R3	4	0	3,746,366:16:0	
1950	96	353	22:29:37.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3647.72 +/- 1	2R3	4	0	3,746,366:40:0	
1951	96	353	22:30:00.000	488R6E	6TMSED	FILL,BL4	Sci, Eng, and D/L Chan	2R3	4	0	3,746,366:74:0	
1952	96	353	22:45:14.000	488S6A	6TMSED	FILL,BL5	Sci, Eng, and D/L Chan	2R3	4	0	3,746,381:80:0	
1953	96	353	22:49:34.666	488S6B	6TMSED	NORM,BL5	Sci, Eng, and D/L Chan	2R3	4	0	3,746,386:16:0	
1954	**96**	**353**	**22:59:34.667**	**E4NNCHKSUM01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1955	**96**	**353**	**23:00:35.333**	**20EJ5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,746,397:06:0**	
1956	**96**	**353**	**23:00:36.666**	**20EJ6A**	**6CKSUM**	**NIMS**	**NIMS,1000,10FF**	**2R3**	**4**	**0**	**3,746,397:08:0**	
1957	**96**	**353**	**23:00:42.666**	**20EJ6B**	**6MCOPY**	**NIMS**	**NIMS,14FA,LLM1A,2282,2283**	**2R3**	**4**	**0**	**3,746,397:17:0**	
1958	**96**	**353**	**23:00:44.000**	**20EJ6C**	**6CKSUM**	**NIMS**	**NIMS,1100,11FF**	**2R3**	**4**	**0**	**3,746,397:19:0**	
1959	**96**	**353**	**23:00:50.000**	**20EJ6D**	**6MCOPY**	**NIMS**	**NIMS,14FB,LLM1A,2282,2283**	**2R3**	**4**	**0**	**3,746,397:28:0**	
1960	**96**	**353**	**23:00:51.333**	**20EJ6E**	**6CKSUM**	**NIMS**	**NIMS,1200,12FF**	**2R3**	**4**	**0**	**3,746,397:30:0**	
1961	**96**	**353**	**23:00:57.333**	**20EJ6F**	**6MCOPY**	**NIMS**	**NIMS,14FC,LLM1A,2282,2283**	**2R3**	**4**	**0**	**3,746,397:39:0**	
1962	**96**	**353**	**23:00:58.666**	**20EJ6G**	**6CKSUM**	**NIMS**	**NIMS,1300,13FF**	**2R3**	**4**	**0**	**3,746,397:41:0**	
1963	**96**	**353**	**23:01:04.666**	**20EJ6H**	**6MCOPY**	**NIMS**	**NIMS,14FD,LLM1A,2282,2283**	**2R3**	**4**	**0**	**3,746,397:50:0**	
1964	**96**	**353**	**23:01:06.000**	**20EJ6I**	**6CKSUM**	**NIMS**	**NIMS,1400,14B3**	**2R3**	**4**	**0**	**3,746,397:52:0**	
1965	**96**	**353**	**23:01:12.000**	**20EJ6J**	**6MCOPY**	**NIMS**	**NIMS,14FE,LLM1A,2282,2283**	**2R3**	**4**	**0**	**3,746,397:61:0**	
1966	**96**	**353**	**23:01:13.333**	**20EJ6K**	**6CKSUM**	**NIMS**	**NIMS,1598,15BD**	**2R3**	**4**	**0**	**3,746,397:63:0**	
1967	**96**	**353**	**23:01:19.333**	**20EJ6L**	**6MCOPY**	**NIMS**	**NIMS,14FF,LLM1A,2282,2283**	**2R3**	**4**	**0**	**3,746,397:72:0**	
1968	**96**	**353**	**23:01:20.666**	**20EJ6M**	**6MROH**	**37,14FA,1,A2**	**read from NIMS37,14FA,1,A2**	**2R3**	**4**	**0**	**3,746,397:74:0**	
1969	**96**	**353**	**23:14:44.667**	**E4NNCHKSUM01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1970	**96**	**354**	**00:10:21.334**	**E4NNRELOAD04-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1971	**96**	**354**	**00:11:22.000**	**20EE6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,746,467:06:0**	
1972	**96**	**354**	**00:12:22.666**	**20EE5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,746,468:06:0**	
1973	**96**	**354**	**00:13:23.333**	**20EE5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,746,469:06:0**	
1974	**96**	**354**	**00:14:24.000**	**20EE6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,746,470:06:0**	
1975	**96**	**354**	**00:15:24.666**	**20EE6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,746,471:06:0**	
1976	**96**	**354**	**00:16:25.333**	**20EE5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,746,472:06:0**	
1977	**96**	**354**	**00:17:26.000**	**20EE5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,746,473:06:0**	
1978	**96**	**354**	**00:18:26.666**	**20EE4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,746,474:06:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1979	**96**	**354**	**00:19:27.333**	**20EE4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,746,475:06:0**
1980	**96**	**354**	**00:25:31.334**	**E4NNRELOAD04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1981	96	354	00:29:28.666	165IT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,746,484:89:0
1982	96	354	00:29:29.333	165IT4B	7SCAN	NORM,237.959,-22	Check S/P Position	2R3	4	0	3,746,484:90:0
1983	96	354	00:34:22.000	175IQ422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,746,489:74:0
1984	96	354	00:34:25.333	118IT	**SMOS**	GS		2R3	4	0	3,746,489:79:0
1985	96	354	00:34:30.066		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *3649.06 +/- 1	2R3	4	0	3,746,489:86:1
1986	96	354	00:34:34.666	175IQ176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,746,490:02:0
1987	96	354	00:34:35.266		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *3585.04 +/- 1	2R3	4	0	3,746,490:02:9
1988	96	354	00:34:35.266		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 3585.04 +/- 1	2R3	4	0	3,746,490:02:9
1989	96	354	00:34:35.333	118IT110A111A4A	7STRP	-0.00725,0.0,26,	Slew =,3.01	2R3	4	0	3,746,490:03:0
1990	96	354	00:34:44.000	118IT110A111A4B	7STRP	0.008,0.006,0,0,	Slew =,8.01	2R3	4	0	3,746,490:16:0
1991	96	354	00:34:52.666	118IT110A111A4C	7STRP	-0.00725,0.0,26,	Slew =,3.01	2R3	4	0	3,746,490:29:0
1992	96	354	00:35:01.333	118IT110A111B4A	7STRP	0.0064,0.00625,0	Slew =,8.01	2R3	4	0	3,746,490:42:0
1993	96	354	00:35:10.000	118IT110A111B4B	7STRP	-0.00725,0.0,26,	Slew =,3.01	2R3	4	0	3,746,490:55:0
1994	96	354	00:35:16.666	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,746,490:65:0
1995	96	354	00:35:16.666		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *2566.21 +/- 1	2R3	4	0	3,746,490:65:0
1996	96	354	00:35:18.666	118IT11A	**SMOS**	GE		2R3	4	0	3,746,490:68:0
1997	**96**	**354**	**00:44:44.000**	**E4ENXDARLI01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1998	96	354	00:45:39.333	165EI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,746,500:89:0
1999	96	354	00:45:40.000	165EI4B	7SCAN	NORM,237.195,-21	Check S/P Position	2R3	4	0	3,746,500:90:0
2000	**96**	**354**	**00:47:37.333**	**125EI4A**	**37IST**	**0,2,0,OFF,0,1,2**	**Gain State 3**	**3R3**	**4**	**0**	**3,746,502:84:0**
2001	96	354	00:47:37.333	125EI11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,746,502:84:0
2002	96	354	00:47:37.333	125EI	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,746,502:84:0
2003	96	354	00:48:38.000	127EI	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,746,503:84:0
2004	**96**	**354**	**00:48:38.000**	**127EI4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**3R1**	**4**	**0**	**3,746,503:84:0**
2005	**96**	**354**	**00:48:38.666**	**127EI4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**3R1**	**4**	**0**	**3,746,503:85:0**
2006	96	354	00:48:46.666	127EI11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R1	4	0	3,746,504:06:0
2007	96	354	00:48:58.000	488S6C	6TMSED	NORM,BL4	Sci, Eng, and D/L Chan	3R1	4	0	3,746,504:23:0
2008	96	354	00:49:28.000	175EI422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R1	4	0	3,746,504:68:0
2009	96	354	00:49:34.000	117EI	**CSMOS**	GS	***** GROUP START CSMOS	3R1	4	0	3,746,504:77:0
2010	96	354	00:49:36.066		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *2556.61 +/- 1	3R1	4	0	3,746,504:80:1
2011	96	354	00:49:40.000	175EI176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R1	4	0	3,746,504:86:0
2012	96	354	00:49:40.066		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 2555.11 +/- 1	3R1	4	0	3,746,504:86:1
2013	96	354	00:49:40.066		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *2555.11 +/- 1	3R1	4	0	3,746,504:86:1
2014	96	354	00:49:43.333	117EI105A106A4A	7STRP	0.014001,0.0,0,0	Slew =,0.06	3R1	4	0	3,746,505:00:0
2015	96	354	00:53:38.000	117EI105A106A4B	7STRP	-0.013801,-0.007	Slew =,4.01	3R1	4	0	3,746,508:79:0
2016	96	354	00:53:41.333	125EQ11A	NIMSINIT	GE	##### GROUP END INIT	3R1	4	0	3,746,508:84:0
2017	96	354	00:53:41.333	125EQ	NIMSINIT	GS	##### GROUP START INIT	3R1	4	0	3,746,508:84:0
2018	**96**	**354**	**00:53:41.333**	**125EQ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R1**	**4**	**0**	**3,746,508:84:0**
2019	96	354	00:53:44.666	117EI105A106A4C	7STRP	0.014001,0.0,0,0	Slew =,0.06	2R1	4	0	3,746,508:89:0
2020	96	354	00:57:39.333	117EI105A106A4D	7STRP	-0.013801,-0.007	Slew =,4.01	2R1	4	0	3,746,512:77:0
2021	96	354	00:57:46.000	117EI105A106A4E	7STRP	0.014001,0.0,0,0	Slew =,0.06	2R1	4	0	3,746,512:87:0
2022	**96**	**354**	**00:59:02.293**	**E4ENXDARLI01-**	**NIMPBK**	**301EV**	**EUROPA LINEA REGION OBSERVATION**	**2R1**	**4**	**0**	**: :**
2023	96	354	01:01:40.666	117EI105A106A4F	7STRP	-0.013801,-0.007	Slew =,4.01	2R1	4	0	3,746,516:75:0
2024	96	354	01:01:46.666	125EX11A	NIMSINIT	GE	##### GROUP END INIT	2R1	4	0	3,746,516:84:0
2025	**96**	**354**	**01:01:46.666**	**125EX4A**	**37IST**	**0,2,0,OFF,0,1,2**	**Gain State 3**	**3R1**	**4**	**0**	**3,746,516:84:0**
2026	96	354	01:01:46.666	125EX	NIMSINIT	GS	##### GROUP START INIT	3R1	4	0	3,746,516:84:0
2027	96	354	01:01:47.333	117EI105A106A4G	7STRP	0.014001,0.0,0,0	Slew =,0.06	3R1	4	0	3,746,516:85:0
2028	**96**	**354**	**01:05:40.293**	**E4ENXDARLI01-**	**DESELC**	**300EV**	**EUROPA LINEA REGION OBSERVATION**	**3R1**	**4**	**0**	**: :**
2029	96	354	01:05:42.000	117EI11A	**CSMOS**	GE	***** GROUP END CSMOS	3R1	4	0	3,746,520:73:0
2030	96	354	01:05:46.000	175EI422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R1	4	0	3,746,520:79:0
2031	96	354	01:05:46.000		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *1706.14 +/- 1	3R1	4	0	3,746,520:79:0
2032	**96**	**354**	**01:05:58.000**	**E4ENXDARLI01-**		**-----STOP-------**		**3R1**	**4**	**0**	**: :**
2033	**96**	**354**	**01:17:05.334**	**E4ENASTERI01-**		**-----START------**		**3R1**	**4**	**0**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2034	96	354	01:18:00.666	165EJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R1	4	0	3,746,532	89:0
2035	96	354	01:18:01.333	165EJ4B	7SCAN	NORM,238.460999,	Check S/P Position	3R1	4	0	3,746,532	90:0
2036	96	354	01:18:58.000	127EJ	NIMSTAB	GS	%%%%% GROUP START TAB	3R1	4	0	3,746,533	84:0
2037	**96**	**354**	**01:18:58.000**	**127EJ4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**3R1**	**4**	**0**	**3,746,533**	**84:0**
2038	**96**	**354**	**01:18:58.666**	**127EJ4B**	**37ETB**		**Loads wavelength edit table**	**3R1**	**4**	**0**	**3,746,533**	**85:0**
2039	96	354	01:19:06.666	127EJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R1	4	0	3,746,534	06:0
2040	96	354	01:19:50.666	175EJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R1	4	0	3,746,534	72:0
2041	96	354	01:19:54.000	117EJ	**CSMOS**	GS	***** GROUP START CSMOS	3R1	4	0	3,746,534	77:0
2042	96	354	01:19:58.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1707.32 +/- 1	3R1	4	0	3,746,534	84:1
2043	96	354	01:20:00.000	175EJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R1	4	0	3,746,534	86:0
2044	96	354	01:20:00.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1707.20 +/- 1	3R1	4	0	3,746,534	86:3
2045	96	354	01:20:00.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1707.20 +/- 1	3R1	4	0	3,746,534	86:3
2046	96	354	01:20:03.333	117EJ105A106A4A	7STRP	-0.014001,0.0,0,	Slew =,0.06	3R1	4	0	3,746,535	00:0
2047	96	354	01:23:58.000	117EJ105A106A4B	7STRP	0.014301,-0.0074	Slew =0,4.5	3R1	4	0	3,746,538	79:0
2048	**96**	**354**	**01:24:01.333**	**125EW4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R1**	**4**	**0**	**3,746,538**	**84:0**
2049	96	354	01:24:01.333	125EW11A	NIMSINIT	GE	##### GROUP END INIT	2R1	4	0	3,746,538	84:0
2050	96	354	01:24:01.333	125EW	NIMSINIT	GS	##### GROUP START INIT	2R1	4	0	3,746,538	84:0
2051	96	354	01:24:04.666	117EJ105A106A4C	7STRP	-0.014001,0.0,0,	Slew =,0.06	2R1	4	0	3,746,538	89:0
2052	96	354	01:27:59.333	117EJ105A106A4D	7STRP	0.014301,-0.0074	Slew =0,4.5	2R1	4	0	3,746,542	77:0
2053	96	354	01:28:06.000	117EJ105A106A4E	7STRP	-0.014001,0.0,0,	Slew =,0.06	2R1	4	0	3,746,542	87:0
2054	96	354	01:32:00.666	117EJ105A106A4F	7STRP	0.014301,-0.0074	Slew =0,4.5	2R1	4	0	3,746,546	75:0
2055	**96**	**354**	**01:32:06.666**	**125ER4A**	**37IST**	**0,2,0,OFF,0,1,2**	**Gain State 3**	**3R1**	**4**	**0**	**3,746,546**	**84:0**
2056	96	354	01:32:06.666	125ER	NIMSINIT	GS	##### GROUP START INIT	3R1	4	0	3,746,546	84:0
2057	96	354	01:32:06.666	125ER11A	NIMSINIT	GE	##### GROUP END INIT	3R1	4	0	3,746,546	84:0
2058	96	354	01:32:07.333	117EJ105A106A4G	7STRP	-0.014001,0.0,0,	Slew =,0.06	3R1	4	0	3,746,546	85:0
2059	96	354	01:36:02.000	117EJ11A	**CSMOS**	GE	***** GROUP END CSMOS	3R1	4	0	3,746,550	73:0
2060	96	354	01:36:13.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1479.12 +/- 1	3R1	4	0	3,746,550	90:0
2061	96	354	01:36:13.333	175EJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R1	4	0	3,746,550	90:0
2062	96	354	01:36:13.333	175EJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R1	4	0	3,746,550	90:0
2063	96	354	01:36:14.000	165GK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R1	4	0	3,746,551	00:0
2064	96	354	01:36:14.666	165GK4B	7SCAN	NORM,304.257,-20	Check S/P Position	3R1	4	0	3,746,551	01:0
2065	**96**	**354**	**01:36:18.000**	**E4ENASTERI01-**		**-----STOP-------**		**3R1**	**4**	**0**	**: :**	
2066	96	354	01:39:20.000	117GK	**CSMOS**	GS	***** GROUP START CSMOS	3R1	4	0	3,746,554	06:0
2067	96	354	01:39:50.666	117GK105A106A4A	7STRP	0.0,0.003,0,0,0,	Slew =,0.66	3R1	4	0	3,746,554	52:0
2068	96	354	01:39:50.666	176GK6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R1	4	0	3,746,554	52:0
2069	96	354	01:40:12.666	117GK11A	**CSMOS**	GE	***** GROUP END CSMOS	3R1	4	0	3,746,554	85:0
2070	**96**	**354**	**01:40:20.732**	**E4INCHEMIS04-**		**-----START------**		**3R1**	**4**	**0**	**: :**	
2071	96	354	01:40:24.000	176GK6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R1	4	0	3,746,555	11:0
2072	96	354	01:40:34.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1480.45 +/- 1	3R1	4	0	3,746,555	26:1
2073	96	354	01:40:35.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1480.33 +/- 1	3R1	4	0	3,746,555	28:3
2074	96	354	01:40:36.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1480.23 +/- 1	3R1	4	0	3,746,555	29:0
2075	96	354	01:40:43.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1478.51 +/- 1	3R1	4	0	3,746,555	40:0
2076	96	354	01:41:16.000	165EK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R1	4	0	3,746,555	89:0
2077	96	354	01:41:16.666	165EK4B	7SCAN	NORM,304.321999,	Check S/P Position	3R1	4	0	3,746,555	90:0
2078	**96**	**354**	**01:43:14.000**	**125ES4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R1**	**4**	**0**	**3,746,557**	**84:0**
2079	96	354	01:43:14.000	125ES	NIMSINIT	GS	##### GROUP START INIT	2R1	4	0	3,746,557	84:0
2080	96	354	01:43:14.000	125ES11A	NIMSINIT	GE	##### GROUP END INIT	2R1	4	0	3,746,557	84:0
2081	**96**	**354**	**01:44:14.666**	**127EK4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,746,558**	**84:0**
2082	96	354	01:44:14.666	127EK	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,746,558	84:0
2083	**96**	**354**	**01:44:15.333**	**127EK4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,746,558**	**85:0**
2084	96	354	01:44:23.333	127EK11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,746,559	06:0
2085	96	354	01:45:07.333	175EK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,746,559	72:0
2086	96	354	01:45:10.666	117EK	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,746,559	77:0
2087	96	354	01:45:15.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1479.84 +/- 1	2R3	4	0	3,746,559	84:1
2088	96	354	01:45:16.666	175EK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,746,559	86:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2089	96	354	01:45:16.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1479.72 +/- 1	2R3	4	0	3,746,559:86:3	
2090	96	354	01:45:16.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1479.72 +/- 1	2R3	4	0	3,746,559:86:3	
2091	96	354	01:45:20.000	117EK105A106A4A	7STRP	-0.021003,0.0,0,	Slew =,0.04	2R3	4	0	3,746,560:00:0	
2092	96	354	01:54:06.666	117EK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,746,568:62:0	
2093	96	354	01:54:18.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1352.89 +/- 1	2R3	4	0	3,746,568:79:0	
2094	96	354	01:54:18.000	175EK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,746,568:79:0	
2095	96	354	01:54:18.000	175EK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,746,568:79:0	
2096	96	354	01:54:24.666	165GL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,746,568:89:0	
2097	96	354	01:54:25.333	165GL4B	7SCAN	NORM,239.502998,	Check S/P Position	2R3	4	0	3,746,568:90:0	
2098	**96**	**354**	**01:54:30.066**	**E4INCHEMIS04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2099	**96**	**354**	**01:57:32.000**	**E4NNFULMRO02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2100	96	354	01:58:19.333	117GL	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,746,572:77:0	
2101	96	354	01:58:28.666	176GL6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,746,573:00:0	
2102	96	354	01:58:28.666	117GL105A106A4A	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,573:00:0	
2103	**96**	**354**	**01:58:32.666**	**20EL5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,746,573:06:0**	
2104	**96**	**354**	**01:59:33.333**	**480EB6A**	**6MROH**	**37,13C0,17,A2**	**read from NIMS37,13C0,17,A**	**2R3**	**4**	**0**	**3,746,574:06:0**	
2105	96	354	02:00:25.333	117GL105A106A4B	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,574:84:0	
2106	96	354	02:00:32.666	117GL105A106A4C	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,575:04:0	
2107	96	354	02:02:29.333	117GL105A106A4D	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,576:88:0	
2108	96	354	02:02:36.666	117GL105A106A4E	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,577:08:0	
2109	96	354	02:04:33.333	117GL105A106A4F	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,579:01:0	
2110	96	354	02:04:40.666	117GL105A106A4G	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,579:12:0	
2111	96	354	02:06:37.333	117GL105A106A4H	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,581:05:0	
2112	96	354	02:06:44.666	117GL105A106A4I	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,581:16:0	
2113	96	354	02:08:41.333	117GL105A106A4J	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,583:09:0	
2114	96	354	02:08:48.666	117GL105A106A4K	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,583:20:0	
2115	96	354	02:10:45.333	117GL105A106A4L	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,585:13:0	
2116	96	354	02:10:52.666	117GL105A106A4M	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,585:24:0	
2117	96	354	02:11:12.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1354.23 +/- 1	2R3	4	0	3,746,585:53:1	
2118	96	354	02:11:13.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1354.11 +/- 1	2R3	4	0	3,746,585:55:3	
2119	96	354	02:11:28.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1350.56 +/- 1	2R3	4	0	3,746,585:78:0	
2120	96	354	02:11:48.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1345.88 +/- 1	2R3	4	0	3,746,586:17:0	
2121	96	354	02:12:49.333	117GL105A106A4N	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,587:17:0	
2122	96	354	02:12:56.666	117GL105A106A4O	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,587:28:0	
2123	96	354	02:14:53.333	117GL105A106A4P	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,589:21:0	
2124	96	354	02:15:00.666	117GL105A106A4Q	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,589:32:0	
2125	96	354	02:16:57.333	117GL105A106A4R	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,591:25:0	
2126	96	354	02:17:04.666	117GL105A106A4S	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,591:36:0	
2127	96	354	02:19:01.333	117GL105A106A4T	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,593:29:0	
2128	96	354	02:19:08.666	117GL105A106A4U	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,593:40:0	
2129	96	354	02:21:05.333	117GL105A106A4V	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,595:33:0	
2130	96	354	02:21:12.666	117GL105A106A4W	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,595:44:0	
2131	96	354	02:23:09.333	117GL105A106A4X	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,597:37:0	
2132	96	354	02:23:16.666	117GL105A106A4Y	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,597:48:0	
2133	96	354	02:24:14.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1347.21 +/- 1	2R3	4	0	3,746,598:43:1	
2134	96	354	02:24:15.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1347.09 +/- 1	2R3	4	0	3,746,598:45:3	
2135	96	354	02:24:30.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1343.54 +/- 1	2R3	4	0	3,746,598:68:0	
2136	96	354	02:24:50.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1338.86 +/- 1	2R3	4	0	3,746,599:07:0	
2137	96	354	02:25:13.333	117GL105A106A4Z	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,599:41:0	
2138	96	354	02:25:20.666	117GL105A106A4AA	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,599:52:0	
2139	96	354	02:27:17.333	117GL105A106A4AB	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,601:45:0	
2140	96	354	02:27:24.666	117GL105A106A4AC	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,601:56:0	
2141	96	354	02:29:21.333	117GL105A106A4AD	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,603:49:0	
2142	96	354	02:29:28.666	117GL105A106A4AE	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,603:60:0	
2143	96	354	02:31:25.333	117GL105A106A4AF	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,605:53:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2144	96	354	02:31:32.666	117GL105A106A4AG	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,605	64:0
2145	96	354	02:33:29.333	117GL105A106A4AH	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,607	57:0
2146	96	354	02:33:36.666	117GL105A106A4AI	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,607	68:0
2147	96	354	02:35:33.333	117GL105A106A4AJ	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,609	61:0
2148	96	354	02:35:40.666	117GL105A106A4AK	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,609	72:0
2149	96	354	02:37:16.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1340.19 +/- 1	2R3	4	0	3,746,611	33:1
2150	96	354	02:37:17.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1340.07 +/- 1	2R3	4	0	3,746,611	35:3
2151	96	354	02:37:32.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1336.53 +/- 1	2R3	4	0	3,746,611	58:0
2152	96	354	02:37:37.333	117GL105A106A4AL	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,611	65:0
2153	96	354	02:37:44.666	117GL105A106A4AM	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,611	76:0
2154	96	354	02:37:52.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1331.84 +/- 1	2R3	4	0	3,746,611	88:0
2155	96	354	02:39:41.333	117GL105A106A4AN	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,613	69:0
2156	96	354	02:39:48.666	117GL105A106A4AO	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,613	80:0
2157	96	354	02:41:45.333	117GL105A106A4AP	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,615	73:0
2158	96	354	02:41:52.666	117GL105A106A4AQ	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,615	84:0
2159	96	354	02:43:49.333	117GL105A106A4AR	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,617	77:0
2160	96	354	02:43:56.666	117GL105A106A4AS	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,617	88:0
2161	96	354	02:45:53.333	117GL105A106A4AT	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,619	81:0
2162	96	354	02:46:00.666	117GL105A106A4AU	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,620	01:0
2163	96	354	02:47:57.333	117GL105A106A4AV	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,621	85:0
2164	96	354	02:48:04.666	117GL105A106A4AW	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,622	05:0
2165	96	354	02:50:01.333	117GL105A106A4AX	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,623	89:0
2166	96	354	02:50:08.666	117GL105A106A4AY	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,624	09:0
2167	96	354	02:50:18.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1333.17 +/- 1	2R3	4	0	3,746,624	24:1
2168	96	354	02:50:20.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1333.05 +/- 1	2R3	4	0	3,746,624	26:3
2169	96	354	02:50:34.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1329.66 +/- 1	2R3	4	0	3,746,624	48:0
2170	96	354	02:50:54.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1324.98 +/- 1	2R3	4	0	3,746,624	78:0
2171	96	354	02:52:05.333	117GL105A106A4AZ	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,626	02:0
2172	96	354	02:52:12.666	117GL105A106A4BA	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,626	13:0
2173	96	354	02:54:09.333	117GL105A106A4BB	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,628	06:0
2174	96	354	02:54:16.666	117GL105A106A4BC	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,628	17:0
2175	96	354	02:56:13.333	117GL105A106A4BD	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,630	10:0
2176	96	354	02:56:20.666	117GL105A106A4BE	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,630	21:0
2177	96	354	02:58:17.333	117GL105A106A4BF	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,632	14:0
2178	96	354	02:58:24.666	117GL105A106A4BG	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,632	25:0
2179	96	354	03:00:21.333	117GL105A106A4BH	7STRP	0.035014,-0.0012	Slew =,10.2	2R3	4	0	3,746,634	18:0
2180	96	354	03:00:28.666	117GL105A106A4BI	7STRP	-0.035014,0.0,0,	Slew =,0.31	2R3	4	0	3,746,634	29:0
2181	96	354	03:02:25.333	176GL6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,746,636	22:0
2182	96	354	03:02:25.333	117GL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,746,636	22:0
2183	96	354	03:02:35.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1326.31 +/- 1	2R3	4	0	3,746,636	37:1
2184	96	354	03:02:36.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1326.19 +/- 1	2R3	4	0	3,746,636	39:3
2185	96	354	03:02:37.333		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1326.08 +/- 1	2R3	4	0	3,746,636	40:0
2186	96	354	03:02:55.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1321.86 +/- 1	2R3	4	0	3,746,636	67:0
2187	96	354	03:25:24.666	165IU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,746,658	89:0
2188	96	354	03:25:25.333	165IU4B	7SCAN	NORM,342.931999,	Check S/P Position	2R3	4	0	3,746,658	90:0
2189	96	354	03:29:17.333	175IR422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,746,662	74:0
2190	96	354	03:29:25.400		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *1323.20 +/- 1	2R3	4	0	3,746,662	86:1
2191	96	354	03:29:30.000	175IR176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,746,663	02:0
2192	96	354	03:29:30.600		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *1259.18 +/- 1	2R3	4	0	3,746,663	02:9
2193	96	354	03:29:30.600		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 1259.18 +/- 1	2R3	4	0	3,746,663	02:9
2194	96	354	03:29:32.666		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *1208.32 +/- 1	2R3	4	0	3,746,663	06:0
2195	96	354	03:29:32.666	175IR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,746,663	06:0
2196	96	354	03:35:31.333	165IV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,746,668	89:0
2197	96	354	03:35:32.000	165IV4B	7SCAN	NORM,238.827999,	Check S/P Position	2R3	4	0	3,746,668	90:0
2198	96	354	03:39:24.000	175IS422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,746,672	74:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2199	96	354	03:39:32.066		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *1198.71 +/- 1	2R3	4	0	3,746,672:86:1	
2200	96	354	03:39:36.666	175IS176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,746,673:02:0	
2201	96	354	03:39:37.266		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 1134.70 +/- 2	2R3	4	0	3,746,673:02:9	
2202	96	354	03:39:37.266		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *1134.70 +/- 1	2R3	4	0	3,746,673:02:9	
2203	96	354	03:39:44.000		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC * 969.00 +/- 2	2R3	4	0	3,746,673:13:0	
2204	96	354	03:39:44.000	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,746,673:13:0	
2205	**96**	**354**	**03:59:52.667**	**E4NNFULMRO02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2206	96	354	04:00:00.666	481UB4A	7VECT		Inert vect update UTC	2R3	4	0	3,746,693:18:0	
2207	96	354	04:30:00.000	488S6D	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R3	4	0	3,746,722:78:0	
2208	**96**	**354**	**04:30:12.667**	**E4NNRELOAD05-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2209	**96**	**354**	**04:31:13.333**	**20EF6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,746,724:06:0**	
2210	**96**	**354**	**04:33:14.666**	**20EF5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,746,726:06:0**	
2211	**96**	**354**	**04:34:15.333**	**20EF6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,746,727:06:0**	
2212	**96**	**354**	**04:35:16.000**	**20EF6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,746,728:06:0**	
2213	**96**	**354**	**04:36:16.666**	**20EF5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,746,729:06:0**	
2214	**96**	**354**	**04:37:17.333**	**20EF5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,746,730:06:0**	
2215	**96**	**354**	**04:38:18.000**	**20EF4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,746,731:06:0**	
2216	**96**	**354**	**04:39:18.666**	**20EF4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,746,732:06:0**	
2217	96	354	04:44:16.666	165IW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,746,736:89:0	
2218	96	354	04:44:17.333	165IW4B	7SCAN	NORM,344.709,-6.	Check S/P Position	2R3	4	0	3,746,736:90:0	
2219	**96**	**354**	**04:45:22.667**	**E4NNRELOAD05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2220	96	354	04:48:09.333	175IT422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,746,740:74:0	
2221	96	354	04:48:17.400		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC * 959.39 +/- 2	2R3	4	0	3,746,740:86:1	
2222	96	354	04:48:22.000	175IT176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,746,741:02:0	
2223	96	354	04:48:22.600		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC * 895.37 +/- 2	2R3	4	0	3,746,741:02:9	
2224	96	354	04:48:22.600		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 895.37 +/- 2	2R3	4	0	3,746,741:02:9	
2225	96	354	04:48:24.666		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC * 844.51 +/- 2	2R3	4	0	3,746,741:06:0	
2226	96	354	04:48:24.666	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,746,741:06:0	
2227	96	354	05:06:55.333	165EM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,746,759:34:0	
2228	96	354	05:06:56.000	165EM4B	7SCAN	NORM,237.436998,	Check S/P Position	2R3	4	0	3,746,759:35:0	
2229	**96**	**354**	**05:08:38.000**	**E4ENSUCOMP02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2230	**96**	**354**	**05:09:30.000**	**125EM4A**	**37IST**	**0,2,0,OFF,0,1,2**	**Gain State 3**	**3R3**	**4**	**0**	**3,746,761:84:0**	
2231	96	354	05:09:30.000	125EM11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,746,761:84:0	
2232	96	354	05:09:30.000	125EM	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,746,761:84:0	
2233	**96**	**354**	**05:10:30.666**	**127EM4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**3R3**	**4**	**0**	**3,746,762:84:0**	
2234	96	354	05:10:30.666	127EM	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,746,762:84:0	
2235	**96**	**354**	**05:10:31.333**	**127EM4B**	**37ETB**	**07,C7,02,0C,00,0**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,746,762:85:0**	
2236	96	354	05:10:39.333	117EM	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,746,763:06:0	
2237	96	354	05:10:39.333	127EM11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,746,763:06:0	
2238	96	354	05:10:49.333	175EM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,746,763:21:0	
2239	96	354	05:10:57.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 834.91 +/- 2	3R3	4	0	3,746,763:33:1	
2240	96	354	05:10:58.000	165EM4C	7VECT		Inert vect update UTC	3R3	4	0	3,746,763:34:0	
2241	96	354	05:10:58.666	175EM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	3,746,763:35:0	
2242	96	354	05:10:58.666	165EM4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,746,763:35:0	
2243	96	354	05:10:58.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 834.79 +/- 2	3R3	4	0	3,746,763:35:3	
2244	96	354	05:10:58.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 834.79 +/- 2	3R3	4	0	3,746,763:35:3	
2245	96	354	05:10:59.333	117EM105A106A4A	7STRP	-0.016602,0.0,0,	Slew =,0.03	3R3	4	0	3,746,763:36:0	
2246	**96**	**354**	**05:10:59.617**	**E4ENSUCOMP02-**	**NIMPBK**	**301EB**	**SURFACE COMPOSITION / DARK ICE**	**3R3**	**4**	**0**	**: :**	
2247	**96**	**354**	**05:13:48.283**	**E4ENSUCOMP02-**	**NIMPBK**	**301FB**	**SURFACE COMPOSITION / DARK ICE**	**3R3**	**4**	**0**	**: :**	
2248	**96**	**354**	**05:13:57.617**	**E4ENSUCOMP02-**	**DESELC**	**300EB**	**SURFACE COMPOSITION / DARK ICE**	**3R3**	**4**	**0**	**: :**	
2249	96	354	05:20:18.000	117EM105A106A4B	7STRP	0.016501,-0.0085	Slew =0,5.0	3R3	4	0	3,746,772:55:0	
2250	**96**	**354**	**05:20:18.283**	**E4ENSUCOMP02-**	**DESELC**	**300FB**	**SURFACE COMPOSITION / DARK ICE**	**3R3**	**4**	**0**	**: :**	
2251	96	354	05:20:24.666	117EM105A106A4C	7STRP	-0.016602,0.0,0,	Slew =,0.03	3R3	4	0	3,746,772:65:0	
2252	**96**	**354**	**05:20:24.950**	**E4ENSUCOMP02-**	**NIMPBK**	**301FZ**	**SURFACE COMPOSITION / DARK ICE**	**3R3**	**4**	**0**	**: :**	
2253	**96**	**354**	**05:29:35.617**	**E4ENSUCOMP02-**	**DESELC**	**300FZ**	**SURFACE COMPOSITION / DARK ICE**	**3R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2254	96	354	05:29:43.333	117EM11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,746,781:84:0	
2255	96	354	05:29:45.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 570.77 +/- 2	3R3	4	0	3,746,781:87:0	
2256	96	354	05:29:45.333	175EM422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,746,781:87:0	
2257	96	354	05:29:45.333	175EM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,746,781:87:0	
2258	**96**	**354**	**05:32:44.667**	**E4ENSUCOMP02-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
2259	96	354	05:34:44.666	465KC6A	6DTRN	CMD,6DTRN,465KC6	DMS TRACK TURNAROUND	3R3	4	0	3,746,786:81:0	
2260	96	354	05:52:58.000	175EN422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R3	4	0	3,746,804:83:0	
2261	**96**	**354**	**05:52:58.666**	**127EN4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**3R3**	**4**	**0**	**3,746,804:84:0**	
2262	96	354	05:52:58.666	127EN	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,746,804:84:0	
2263	**96**	**354**	**05:52:59.333**	**127EN4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,746,804:85:0**	
2264	96	354	05:53:00.000	165EN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,746,804:86:0	
2265	96	354	05:53:00.666	165EN4B	7SCAN	NORM,233.884998,	Check S/P Position	3R3	4	0	3,746,804:87:0	
2266	96	354	05:53:07.333	117EN	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,746,805:06:0	
2267	96	354	05:53:07.333	127EN11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,746,805:06:0	
2268	96	354	05:53:10.000	175EN176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R3	4	0	3,746,805:10:0	
2269	96	354	05:53:23.333	165EN4C	7VECT		Inert vect update UTC	3R3	4	0	3,746,805:30:0	
2270	96	354	05:53:24.000	165EN4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,746,805:31:0	
2271	96	354	05:53:24.666	117EN105A106A4A	7STRP	-0.016401,0.0,0,	Slew =,0.03	3R3	4	0	3,746,805:32:0	
2272	**96**	**354**	**05:53:24.949**	**E4ENSUCOMP01-**	**NIMPBK**	**301FC**	**SURFACE COMPOSITION / LIGHT ICE**	**3R3**	**4**	**0**	**: :**	
2273	**96**	**354**	**05:54:08.000**	**E4ENSUCOMP01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
2274	**96**	**354**	**05:57:24.949**	**E4ENSUCOMP01-**	**NIMPBK**	**301DW**	**SURFACE COMPOSITION / LIGHT ICE**	**3R3**	**4**	**0**	**: :**	
2275	**96**	**354**	**05:57:34.949**	**E4ENSUCOMP01-**	**DESELC**	**300FC**	**SURFACE COMPOSITION / LIGHT ICE**	**3R3**	**4**	**0**	**: :**	
2276	96	354	05:58:50.000	488T6A	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	3R3	4	0	3,746,810:65:0	
2277	96	354	06:02:32.666	117EN105A106A4B	7STRP	0.015701,-0.0085	Slew =,3.01	3R3	4	0	3,746,814:35:0	
2278	96	354	06:02:41.333	117EN105A106A4C	7STRP	-0.016401,0.0,0,	Slew =,0.03	3R3	4	0	3,746,814:48:0	
2279	96	354	06:06:50.000	488T6B	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	3R3	4	0	3,746,818:57:0	
2280	96	354	06:11:49.333	117EN11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,746,823:51:0	
2281	**96**	**354**	**06:11:49.615**	**E4ENSUCOMP01-**	**DESELC**	**300DW**	**SURFACE COMPOSITION / LIGHT ICE**	**3R3**	**4**	**0**	**: :**	
2282	96	354	06:11:50.666	175EN422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,746,823:53:0	
2283	96	354	06:12:14.666	165IX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,746,823:89:0	
2284	96	354	06:12:15.333	165IX4B	7SCAN	NORM,233.251999,	Check S/P Position	3R3	4	0	3,746,823:90:0	
2285	96	354	06:13:05.333	175IU422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	3R3	4	0	3,746,824:74:0	
2286	96	354	06:13:08.666	118IX	**SMOS**	GS		3R3	4	0	3,746,824:79:0	
2287	96	354	06:13:12.000		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 201.62 +/-	3R3	4	0	3,746,824:84:0	
2288	96	354	06:13:15.333	165IX4C	7VECT		Inert vect update UTC	3R3	4	0	3,746,824:89:0	
2289	96	354	06:13:16.000	165IX4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,746,824:90:0	
2290	96	354	06:13:17.200		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 265.64 +/-	3R3	4	0	3,746,825:00:8	
2291	96	354	06:13:17.200		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC * 265.64 +/-	3R3	4	0	3,746,825:00:8	
2292	96	354	06:13:18.000	175IU176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	3,746,825:02:0	
2293	96	354	06:13:18.666	118IX110A111A4A	7STRP	-0.007,0.0,26,0,	Slew =,3.01	3R3	4	0	3,746,825:03:0	
2294	96	354	06:13:36.000	118IX11A	**SMOS**	GE		3R3	4	0	3,746,825:29:0	
2295	96	354	06:13:42.666		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC * 892.36 +/-	3R3	4	0	3,746,825:39:0	
2296	96	354	06:13:42.666	175TA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,746,825:39:0	
2297	96	354	06:13:45.800		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC * 903.36 +/-	3R3	4	0	3,746,825:43:7	
2298	96	354	06:13:46.666	175TA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	3R3	4	0	3,746,825:45:0	
2299	96	354	06:13:47.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 903.48 +/-	3R3	4	0	3,746,825:45:9	
2300	96	354	06:13:47.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 903.48 +/-	3R3	4	0	3,746,825:45:9	
2301	**96**	**354**	**06:14:21.334**	**E4ENSUCOMP01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
2302	96	354	06:24:54.000	165EO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,746,836:45:0	
2303	96	354	06:24:54.666	165EO4B	7SCAN	NORM,229.029999,	Check S/P Position	3R3	4	0	3,746,836:46:0	
2304	96	354	06:25:20.000	127EO	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,746,836:84:0	
2305	**96**	**354**	**06:25:20.000**	**127EO4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**3R3**	**4**	**0**	**3,746,836:84:0**	
2306	**96**	**354**	**06:25:20.666**	**127EO4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,746,836:85:0**	
2307	96	354	06:25:28.666	117EO	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,746,837:06:0	
2308	96	354	06:25:28.666	127EO11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,746,837:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2309	96	354	06:25:36.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1069.74 +/-	3R3	4	0	3,746,837:18:0	
2310	96	354	06:25:36.666	175EO422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R3	4	0	3,746,837:18:0	
2311	96	354	06:25:38.066		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *1069.80 +/-	3R3	4	0	3,746,837:20:1	
2312	96	354	06:25:41.333	165EO4C	7VECT		Inert vect update UTC	3R3	4	0	3,746,837:25:0	
2313	96	354	06:25:42.000	165EO4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,746,837:26:0	
2314	96	354	06:25:42.000	175EO176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R3	4	0	3,746,837:26:0	
2315	96	354	06:25:42.066		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 1071.30 +/-	3R3	4	0	3,746,837:26:1	
2316	96	354	06:25:42.066		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *1071.30 +/-	3R3	4	0	3,746,837:26:1	
2317	96	354	06:25:42.666	117EO105A106A4A	7STRP	-0.023004,0.0,0,	Slew =,0.03	3R3	4	0	3,746,837:27:0	
2318	**96**	**354**	**06:25:42.948**	**E4ENSUCOMP03-**	**NIMPBK**	**301FD**	**SURFACE COMPOSITION OF DOUBLE LI**	**3R3**	**4**	**0**	**: :**	
2319	96	354	06:26:22.666	282NA431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	3R3	4	0	3,746,837:87:0	
2320	96	354	06:26:25.333	431OA6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	3R3	4	0	3,746,838:00:0	
2321	**96**	**354**	**06:26:29.334**	**E4ENSUCOMP03-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
2322	**96**	**354**	**06:28:45.615**	**E4ENSUCOMP03-**	**NIMPBK**	**301DU**	**SURFACE COMPOSITION OF DOUBLE LI**	**3R3**	**4**	**0**	**: :**	
2323	**96**	**354**	**06:28:54.948**	**E4ENSUCOMP03-**	**DESELC**	**300FD**	**SURFACE COMPOSITION OF DOUBLE LI**	**3R3**	**4**	**0**	**: :**	
2324	96	354	06:32:28.666	428PC6A	6RCCLR			3R3	4	0	3,746,843:90:0	
2325	96	354	06:32:29.333	428PC6B	6RCSET	8		3R3	4	0	3,746,844:00:0	
2326	96	354	06:38:31.333	117EO11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,746,849:88:0	
2327	**96**	**354**	**06:38:31.614**	**E4ENSUCOMP03-**	**DESELC**	**300DU**	**SURFACE COMPOSITION OF DOUBLE LI**	**3R3**	**4**	**0**	**: :**	
2328	96	354	06:38:32.000	165IY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,746,849:89:0	
2329	96	354	06:38:32.666	165IY4B	7SCAN	NORM,211.264999,	Check S/P Position	3R3	4	0	3,746,849:90:0	
2330	96	354	06:38:33.333	175TB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,746,850:00:0	
2331	96	354	06:38:33.333		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *1749.17 +/-	3R3	4	0	3,746,850:00:0	
2332	96	354	06:38:34.733		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *1749.39 +/-	3R3	4	0	3,746,850:02:1	
2333	96	354	06:38:36.000	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	3R3	4	0	3,746,850:04:0	
2334	96	354	06:38:36.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1749.51 +/-	3R3	4	0	3,746,850:04:3	
2335	96	354	06:38:36.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1749.51 +/-	3R3	4	0	3,746,850:04:3	
2336	96	354	06:39:02.000	428PD6A	6RCCLR			3R3	4	0	3,746,850:43:0	
2337	96	354	06:39:02.666	428PD6B	6RCSET	14		3R3	4	0	3,746,850:44:0	
2338	96	354	06:39:26.000	118IY	**SMOS**	GS		3R3	4	0	3,746,850:79:0	
2339	96	354	06:39:29.333	175IV422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	3R3	4	0	3,746,850:84:0	
2340	96	354	06:39:29.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1761.96 +/-	3R3	4	0	3,746,850:84:0	
2341	96	354	06:39:30.733		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *1762.02 +/-	3R3	4	0	3,746,850:86:1	
2342	96	354	06:39:32.666	165IY4C	7VECT		Inert vect update UTC	3R3	4	0	3,746,850:89:0	
2343	96	354	06:39:33.333	165IY4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,746,850:90:0	
2344	96	354	06:39:35.333	175IV176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	3,746,851:02:0	
2345	96	354	06:39:35.933		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 1826.04 +/-	3R3	4	0	3,746,851:02:9	
2346	96	354	06:39:35.933		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *1826.04 +/-	3R3	4	0	3,746,851:02:9	
2347	96	354	06:39:36.000	118IY110A111A4A	7STRP	-0.0072,0.0,26,0	Slew =,3.01	3R3	4	0	3,746,851:03:0	
2348	96	354	06:39:44.666	118IY110A111A4B	7STRP	0.0,0.006,0,0,0,	Slew =,8.01	3R3	4	0	3,746,851:16:0	
2349	96	354	06:39:51.333	428PE6A	6RCCLR			3R3	4	0	3,746,851:26:0	
2350	96	354	06:39:52.000	428PE6B	6RCSET	11		3R3	4	0	3,746,851:27:0	
2351	96	354	06:39:53.333	118IY110A111A4C	7STRP	-0.0072,0.0,26,0	Slew =,3.01	3R3	4	0	3,746,851:29:0	
2352	96	354	06:40:02.000	118IY11A	**SMOS**	GE		3R3	4	0	3,746,851:42:0	
2353	96	354	06:40:08.666	175TC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,746,851:52:0	
2354	96	354	06:40:08.666		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *2631.59 +/-	3R3	4	0	3,746,851:52:0	
2355	96	354	06:40:11.800		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2642.59 +/-	3R3	4	0	3,746,851:56:7	
2356	96	354	06:40:12.666	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	3R3	4	0	3,746,851:58:0	
2357	96	354	06:40:13.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2642.70 +/-	3R3	4	0	3,746,851:58:9	
2358	96	354	06:40:13.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2642.70 +/-	3R3	4	0	3,746,851:58:9	
2359	**96**	**354**	**06:40:38.667**	**E4ENSUCOMP03-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
2360	96	354	06:41:21.333	428PF6A	6RCCLR			3R3	4	0	3,746,852:70:0	
2361	96	354	06:41:22.000	428PF6B	6RCSET	14		3R3	4	0	3,746,852:71:0	
2362	96	354	06:41:34.000	165IZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,746,852:89:0	
2363	96	354	06:41:34.666	165IZ4B	7SCAN	NORM,202.094999,	Check S/P Position	3R3	4	0	3,746,852:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2364	96	354	06:42:28.000	118IZ	**SMOS**	GS		3R3	4	0	3,746,853:79:0	
2365	96	354	06:42:31.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2675.06 +/-	3R3	4	0	3,746,853:84:0	
2366	96	354	06:42:31.333	175IW422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	3R3	4	0	3,746,853:84:0	
2367	96	354	06:42:32.733		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *2675.12 +/-	3R3	4	0	3,746,853:86:1	
2368	96	354	06:42:34.666	165IZ4C	7VECT		Inert vect update UTC	3R3	4	0	3,746,853:89:0	
2369	96	354	06:42:35.333	165IZ4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,746,853:90:0	
2370	96	354	06:42:37.333	175IW176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	3,746,854:02:0	
2371	96	354	06:42:37.933		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 2739.14 +/- 1	3R3	4	0	3,746,854:02:9	
2372	96	354	06:42:37.933		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2739.14 +/-	3R3	4	0	3,746,854:02:9	
2373	96	354	06:42:38.000	118IZ110A111A4A	7STRP	-0.007,0.0,26,0,	Slew =,3.01	3R3	4	0	3,746,854:03:0	
2374	96	354	06:42:55.333	118IZ110A111A4B	7STRP	0.0,0.0062,0,0,0	Slew =,3.01	3R3	4	0	3,746,854:29:0	
2375	96	354	06:42:58.000	428PG6A	6RCCLR			3R3	4	0	3,746,854:33:0	
2376	96	354	06:42:58.666	428PG6B	6RCSET	11		3R3	4	0	3,746,854:34:0	
2377	96	354	06:43:04.000	118IZ110A111A4C	7STRP	-0.007,0.0,26,0,	Slew =,3.01	3R3	4	0	3,746,854:42:0	
2378	96	354	06:43:19.333	175TD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,746,854:65:0	
2379	96	354	06:43:19.333		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3757.97 +/- 1	3R3	4	0	3,746,854:65:0	
2380	96	354	06:43:21.333	118IZ11A	**SMOS**	GE		3R3	4	0	3,746,854:68:0	
2381	96	354	06:43:22.466		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3768.97 +/- 1	3R3	4	0	3,746,854:69:7	
2382	96	354	06:43:23.333	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	3R3	4	0	3,746,854:71:0	
2383	96	354	06:43:23.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3769.09 +/- 1	3R3	4	0	3,746,854:71:9	
2384	96	354	06:43:23.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3769.09 +/- 1	3R3	4	0	3,746,854:71:9	
2385	**96**	**354**	**06:59:51.333**	**E4NNCHKSUM02-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
2386	96	354	07:00:00.666	481UA4A	7VECT	BB1	Inert vect update UTC	3R3	4	0	3,746,871:20:0	
2387	**96**	**354**	**07:00:53.333**	**20EK6A**	**6CKSUM**	**NIMS**	**NIMS,1000,10FF**	**3R3**	**4**	**0**	**3,746,872:08:0**	
2388	**96**	**354**	**07:00:59.333**	**20EK6B**	**6MCOPY**	**NIMS**	**NIMS,14FA,LLM1A,2282,2283**	**3R3**	**4**	**0**	**3,746,872:17:0**	
2389	**96**	**354**	**07:01:00.666**	**20EK6C**	**6CKSUM**	**NIMS**	**NIMS,1100,11FF**	**3R3**	**4**	**0**	**3,746,872:19:0**	
2390	**96**	**354**	**07:01:06.666**	**20EK6D**	**6MCOPY**	**NIMS**	**NIMS,14FB,LLM1A,2282,2283**	**3R3**	**4**	**0**	**3,746,872:28:0**	
2391	**96**	**354**	**07:01:08.000**	**20EK6E**	**6CKSUM**	**NIMS**	**NIMS,1200,12FF**	**3R3**	**4**	**0**	**3,746,872:30:0**	
2392	**96**	**354**	**07:01:14.000**	**20EK6F**	**6MCOPY**	**NIMS**	**NIMS,14FC,LLM1A,2282,2283**	**3R3**	**4**	**0**	**3,746,872:39:0**	
2393	**96**	**354**	**07:01:15.333**	**20EK6G**	**6CKSUM**	**NIMS**	**NIMS,1300,13FF**	**3R3**	**4**	**0**	**3,746,872:41:0**	
2394	**96**	**354**	**07:01:21.333**	**20EK6H**	**6MCOPY**	**NIMS**	**NIMS,14FD,LLM1A,2282,2283**	**3R3**	**4**	**0**	**3,746,872:50:0**	
2395	**96**	**354**	**07:01:22.666**	**20EK6I**	**6CKSUM**	**NIMS**	**NIMS,1400,14B3**	**3R3**	**4**	**0**	**3,746,872:52:0**	
2396	**96**	**354**	**07:01:28.666**	**20EK6J**	**6MCOPY**	**NIMS**	**NIMS,14FE,LLM1A,2282,2283**	**3R3**	**4**	**0**	**3,746,872:61:0**	
2397	**96**	**354**	**07:01:30.000**	**20EK6K**	**6CKSUM**	**NIMS**	**NIMS,1598,15BD**	**3R3**	**4**	**0**	**3,746,872:63:0**	
2398	**96**	**354**	**07:01:36.000**	**20EK6L**	**6MCOPY**	**NIMS**	**NIMS,14FF,LLM1A,2282,2283**	**3R3**	**4**	**0**	**3,746,872:72:0**	
2399	**96**	**354**	**07:01:37.333**	**20EK6M**	**6MROH**	**37,14FA,1,A2**	**read from NIMS37,14FA,1,A2**	**3R3**	**4**	**0**	**3,746,872:74:0**	
2400	96	354	07:03:40.666	428PH6A	6RCCLR			3R3	4	0	3,746,874:77:0	
2401	96	354	07:03:41.333	428PH6B	6RCSET	14		3R3	4	0	3,746,874:78:0	
2402	**96**	**354**	**07:15:01.333**	**E4NNCHKSUM02-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
2403	96	354	07:19:59.333	165JA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,746,890:89:0	
2404	96	354	07:20:00.000	165JA4B	7SCAN	NORM,356.050999,	Check S/P Position	3R3	4	0	3,746,890:90:0	
2405	96	354	07:23:58.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4339.73 +/- 1	3R3	4	0	3,746,894:84:0	
2406	96	354	07:23:58.666	175IX422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	3R3	4	0	3,746,894:84:0	
2407	96	354	07:24:00.066		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *4339.79 +/- 1	3R3	4	0	3,746,894:86:1	
2408	96	354	07:24:03.333	432MD6A	6RTSL1		R/T Select of DDS and	3R3	4	0	3,746,895:00:0	
2409	96	354	07:24:04.666	175IX176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	3,746,895:02:0	
2410	96	354	07:24:05.266		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *4403.80 +/- 1	3R3	4	0	3,746,895:02:9	
2411	96	354	07:24:05.266		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 4403.80 +/- 1	3R3	4	0	3,746,895:02:9	
2412	96	354	07:24:09.333	175TE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,746,895:09:0	
2413	96	354	07:24:09.333		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *4503.88 +/- 1	3R3	4	0	3,746,895:09:0	
2414	96	354	07:24:12.466		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4514.88 +/- 1	3R3	4	0	3,746,895:13:7	
2415	96	354	07:24:13.333	175TE176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	3R3	4	0	3,746,895:15:0	
2416	96	354	07:24:13.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4515.00 +/- 1	3R3	4	0	3,746,895:15:9	
2417	96	354	07:24:13.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4515.00 +/- 1	3R3	4	0	3,746,895:15:9	
2418	96	354	07:26:04.666	428PJ6A	6RCCLR			3R3	4	0	3,746,897:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2419	96	354	07:27:03.333	432MB431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	3R3	4	0	3,746,897:88:0	
2420	96	354	07:27:04.000	432MB6A	6RTSL1		R/T Select of DDS and	3R3	4	0	3,746,897:89:0	
2421	96	354	07:27:07.333	432OJ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	3R3	4	0	3,746,898:03:0	
2422	96	354	07:27:08.000	432OJ6A	6RTSL1		R/T Select of DDS and	3R3	4	0	3,746,898:04:0	
2423	96	354	07:27:11.333	282NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	3R3	4	0	3,746,898:09:0	
2424	96	354	07:28:00.000	282NB432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	3R3	4	0	3,746,898:82:0	
2425	96	354	07:28:00.666	282NB432A6A	6RTSL1		R/T Select of DDS and	3R3	4	0	3,746,898:83:0	
2426	96	354	07:28:08.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4569.86 +/- 1	3R3	4	0	3,746,899:03:0	
2427	96	354	07:28:08.000	175TE422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,746,899:03:0	
2428	96	354	07:42:14.000	165GM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,746,912:89:0	
2429	96	354	07:42:14.666	165GM4B	7SCAN	NORM,68.183999,2	Check S/P Position	3R3	4	0	3,746,912:90:0	
2430	96	354	07:46:08.666	117GM	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,746,916:77:0	
2431	96	354	07:46:18.000	176GM6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	3,746,917:00:0	
2432	96	354	07:46:18.000	117GM105A106A4A	7STRP	0.0,0.003,0,0,0,	Slew =,0.28	3R3	4	0	3,746,917:00:0	
2433	96	354	07:46:40.000	117GM11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,746,917:33:0	
2434	96	354	07:46:51.333	176GM6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,746,917:50:0	
2435	96	354	07:47:00.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4569.92 +/- 1	3R3	4	0	3,746,917:63:0	
2436	96	354	07:47:01.466		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4570.04 +/- 1	3R3	4	0	3,746,917:65:2	
2437	96	354	07:47:03.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4570.47 +/- 1	3R3	4	0	3,746,917:68:0	
2438	96	354	07:47:10.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4572.19 +/- 1	3R3	4	0	3,746,917:79:0	
2439	96	354	08:01:48.666	488T6C	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	3R3	4	0	3,746,932:31:0	
2440	**96**	**354**	**08:14:40.732**	**E4INCHEMIS05-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
2441	96	354	08:14:53.333	165EL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,746,945:25:0	
2442	96	354	08:14:54.000	165EL4B	7SCAN	NORM,338.608997,	Check S/P Position	3R3	4	0	3,746,945:26:0	
2443	96	354	08:17:34.000	125EL11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,746,947:84:0	
2444	**96**	**354**	**08:17:34.000**	**125EL4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,746,947:84:0**	
2445	96	354	08:17:34.000	125EL	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,746,947:84:0	
2446	96	354	08:18:34.666	127EL	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,746,948:84:0	
2447	**96**	**354**	**08:18:34.666**	**127EL4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,746,948:84:0**	
2448	**96**	**354**	**08:18:35.333**	**127EL4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,746,948:85:0**	
2449	96	354	08:18:43.333	127EL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,746,949:06:0	
2450	96	354	08:18:43.333	117EL	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,746,949:06:0	
2451	96	354	08:18:47.333	175EL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,746,949:12:0	
2452	96	354	08:18:54.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4572.25 +/- 1	2R3	4	0	3,746,949:22:0	
2453	96	354	08:18:55.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4572.37 +/- 1	2R3	4	0	3,746,949:24:2	
2454	96	354	08:18:55.466		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4572.37 +/- 1	2R3	4	0	3,746,949:24:2	
2455	96	354	08:18:56.666	175EL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,746,949:26:0	
2456	96	354	08:18:57.333	117EL105A106A4A	7STRP	-0.018502,0.0,0,	Slew =,0.06	2R3	4	0	3,746,949:27:0	
2457	96	354	08:23:18.666	175EL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,746,953:55:0	
2458	96	354	08:23:18.666	175EL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,746,953:55:0	
2459	96	354	08:23:18.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4634.06 +/- 1	2R3	4	0	3,746,953:55:0	
2460	96	354	08:24:07.333	117EL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,746,954:37:0	
2461	**96**	**354**	**08:24:47.399**	**E4INCHEMIS05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2462	96	354	08:29:46.666	411JB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,746,960:00:0	
2463	96	354	08:29:53.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4634.12 +/- 1	2R3	4	0	3,746,960:10:0	
2464	96	354	08:29:54.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4634.24 +/- 1	2R3	4	0	3,746,960:12:2	
2465	96	354	08:29:54.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4634.24 +/- 1	2R3	4	0	3,746,960:12:2	
2466	96	354	08:29:56.666	411JB6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	3,746,960:15:0	
2467	96	354	08:30:00.000	488T6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	3,746,960:20:0	
2468	96	354	08:31:58.000	411JB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,746,962:15:0	
2469	96	354	08:31:58.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4663.27 +/- 1	2R3	4	0	3,746,962:16:0	
2470	96	354	08:31:58.666	411JB6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,746,962:16:0	
2471	96	354	08:33:48.000	165GN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,746,963:89:0	
2472	96	354	08:33:48.666	165GN4B	7SCAN	NORM,340.678997,	Check S/P Position	2R3	4	0	3,746,963:90:0	
2473	96	354	08:34:26.000	488T6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	3,746,964:55:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2474	96	354	08:37:42.666	117GN	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,746,967:77:0	
2475	96	354	08:37:52.000	117GN105A106A4A	7STRP	0.0045,0.0,0,0,0	Slew =,0.08	2R3	4	0	3,746,968:00:0	
2476	96	354	08:37:52.000	176GN6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,746,968:00:0	
2477	96	354	08:38:18.000	488U6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	3,746,968:39:0	
2478	96	354	08:39:04.666	117GN105A106A4B	7STRP	-0.0068,0.0012,0	Slew =0,2.5	2R3	4	0	3,746,969:18:0	
2479	96	354	08:39:11.333	117GN105A106A4C	7STRP	0.0045,0.0,0,0,0	Slew =,0.08	2R3	4	0	3,746,969:28:0	
2480	96	354	08:40:24.000	117GN105A106A4D	7STRP	-0.0068,0.0012,0	Slew =0,2.5	2R3	4	0	3,746,970:46:0	
2481	96	354	08:40:30.666	117GN105A106A4E	7STRP	0.0045,0.0,0,0,0	Slew =,0.08	2R3	4	0	3,746,970:56:0	
2482	96	354	08:41:43.333	117GN105A106A4F	7STRP	-0.0068,0.0012,0	Slew =0,2.5	2R3	4	0	3,746,971:74:0	
2483	96	354	08:41:50.000	117GN105A106A4G	7STRP	0.0045,0.0,0,0,0	Slew =,0.08	2R3	4	0	3,746,971:84:0	
2484	96	354	08:43:02.666	117GN105A106A4H	7STRP	-0.0068,0.0012,0	Slew =0,2.5	2R3	4	0	3,746,973:11:0	
2485	96	354	08:43:09.333	117GN105A106A4I	7STRP	0.0045,0.0,0,0,0	Slew =,0.08	2R3	4	0	3,746,973:21:0	
2486	96	354	08:44:22.000	117GN105A106A4J	7STRP	-0.0068,0.0012,0	Slew =0,2.5	2R3	4	0	3,746,974:39:0	
2487	96	354	08:44:28.666	117GN105A106A4K	7STRP	0.0045,0.0,0,0,0	Slew =,0.08	2R3	4	0	3,746,974:49:0	
2488	96	354	08:45:41.333	117GN105A106A4L	7STRP	-0.0068,0.0012,0	Slew =0,2.5	2R3	4	0	3,746,975:67:0	
2489	96	354	08:45:48.000	117GN105A106A4M	7STRP	0.0045,0.0,0,0,0	Slew =,0.08	2R3	4	0	3,746,975:77:0	
2490	96	354	08:47:00.666	117GN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,746,977:04:0	
2491	96	354	08:47:00.666	176GN6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,746,977:04:0	
2492	96	354	08:47:09.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4663.33 +/- 1	2R3	4	0	3,746,977:17:0	
2493	96	354	08:47:10.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4663.44 +/- 1	2R3	4	0	3,746,977:19:2	
2494	96	354	08:47:12.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4663.88 +/- 1	2R3	4	0	3,746,977:22:0	
2495	96	354	08:47:28.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4667.63 +/- 1	2R3	4	0	3,746,977:46:0	
2496	96	354	09:12:13.333	165GO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,747,001:89:0	
2497	96	354	09:12:14.000	165GO4B	7SCAN	NORM,59.945,24.4	Check S/P Position	2R3	4	0	3,747,001:90:0	
2498	96	354	09:16:08.000	117GO	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,747,005:77:0	
2499	96	354	09:16:17.333	117GO105A106A4A	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,006:00:0	
2500	96	354	09:16:17.333	176GO6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,747,006:00:0	
2501	96	354	09:16:34.666	117GO105A106A4B	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,006:26:0	
2502	96	354	09:16:40.666	117GO105A106A4C	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,006:35:0	
2503	96	354	09:16:58.000	117GO105A106A4D	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,006:61:0	
2504	96	354	09:17:04.000	117GO105A106A4E	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,006:70:0	
2505	96	354	09:17:21.333	117GO105A106A4F	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,007:05:0	
2506	96	354	09:17:27.333	117GO105A106A4G	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,007:14:0	
2507	96	354	09:17:44.666	117GO105A106A4H	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,007:40:0	
2508	96	354	09:17:50.666	117GO105A106A4I	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,007:49:0	
2509	96	354	09:18:08.000	117GO105A106A4J	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,007:75:0	
2510	96	354	09:18:14.000	117GO105A106A4K	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,007:84:0	
2511	96	354	09:18:31.333	117GO105A106A4L	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,008:19:0	
2512	96	354	09:18:37.333	117GO105A106A4M	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,008:28:0	
2513	96	354	09:18:54.666	117GO105A106A4N	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,008:54:0	
2514	96	354	09:19:00.666	117GO105A106A4O	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,008:63:0	
2515	96	354	09:19:18.000	117GO105A106A4P	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,008:89:0	
2516	96	354	09:19:24.000	117GO105A106A4Q	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,009:07:0	
2517	96	354	09:19:41.333	117GO105A106A4R	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,009:33:0	
2518	96	354	09:19:47.333	117GO105A106A4S	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,009:42:0	
2519	96	354	09:20:04.666	117GO105A106A4T	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,009:68:0	
2520	96	354	09:20:10.666	117GO105A106A4U	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,009:77:0	
2521	96	354	09:20:28.000	117GO105A106A4V	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,010:12:0	
2522	96	354	09:20:34.000	117GO105A106A4W	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,010:21:0	
2523	96	354	09:20:51.333	117GO105A106A4X	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,010:47:0	
2524	96	354	09:20:57.333	117GO105A106A4Y	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,010:56:0	
2525	96	354	09:21:14.666	117GO105A106A4Z	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,010:82:0	
2526	96	354	09:21:20.666	117GO105A106A4AA	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,011:00:0	
2527	96	354	09:21:38.000	117GO105A106A4AB	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,011:26:0	
2528	96	354	09:21:44.000	117GO105A106A4AC	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,011:35:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2529	96	354	09:22:01.333	117GO105A106A4AD	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,011:61:0	
2530	96	354	09:22:07.333	117GO105A106A4AE	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,011:70:0	
2531	96	354	09:22:24.666	117GO105A106A4AF	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,012:05:0	
2532	96	354	09:22:30.666	117GO105A106A4AG	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,012:14:0	
2533	96	354	09:22:48.000	117GO105A106A4AH	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,012:40:0	
2534	96	354	09:22:54.000	117GO105A106A4AI	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,012:49:0	
2535	96	354	09:23:11.333	117GO105A106A4AJ	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,012:75:0	
2536	96	354	09:23:17.333	117GO105A106A4AK	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,012:84:0	
2537	96	354	09:23:34.666	117GO105A106A4AL	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,013:19:0	
2538	96	354	09:23:40.666	117GO105A106A4AM	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,013:28:0	
2539	96	354	09:23:58.000	117GO105A106A4AN	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,013:54:0	
2540	96	354	09:24:04.000	117GO105A106A4AO	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,013:63:0	
2541	96	354	09:24:21.333	117GO105A106A4AP	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,013:89:0	
2542	96	354	09:24:27.333	117GO105A106A4AQ	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,014:07:0	
2543	96	354	09:24:44.666	117GO105A106A4AR	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,014:33:0	
2544	96	354	09:24:50.666	117GO105A106A4AS	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,014:42:0	
2545	96	354	09:25:08.000	117GO105A106A4AT	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,014:68:0	
2546	96	354	09:25:14.000	117GO105A106A4AU	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,014:77:0	
2547	96	354	09:25:31.333	117GO105A106A4AV	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,015:12:0	
2548	96	354	09:25:37.333	117GO105A106A4AW	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,015:21:0	
2549	96	354	09:25:54.666	117GO105A106A4AX	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,015:47:0	
2550	96	354	09:26:00.666	117GO105A106A4AY	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,015:56:0	
2551	96	354	09:26:18.000	117GO105A106A4AZ	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,015:82:0	
2552	96	354	09:26:24.000	117GO105A106A4BA	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,016:00:0	
2553	96	354	09:26:41.333	117GO105A106A4BB	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,016:26:0	
2554	96	354	09:26:47.333	117GO105A106A4BC	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,016:35:0	
2555	96	354	09:27:04.666	117GO105A106A4BD	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,016:61:0	
2556	96	354	09:27:10.666	117GO105A106A4BE	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,016:70:0	
2557	96	354	09:27:28.000	117GO105A106A4BF	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,017:05:0	
2558	96	354	09:27:34.000	117GO105A106A4BG	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,017:14:0	
2559	96	354	09:27:51.333	117GO105A106A4BH	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,017:40:0	
2560	96	354	09:27:57.333	117GO105A106A4BI	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,017:49:0	
2561	96	354	09:28:14.666	117GO105A106A4BJ	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,017:75:0	
2562	96	354	09:28:20.666	117GO105A106A4BK	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,017:84:0	
2563	96	354	09:28:38.000	117GO105A106A4BL	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,018:19:0	
2564	96	354	09:28:44.000	117GO105A106A4BM	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,018:28:0	
2565	96	354	09:28:59.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4667.69 +/- 1	2R3	4	0	3,747,018:51:0	
2566	96	354	09:29:00.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4667.81 +/- 1	2R3	4	0	3,747,018:53:2	
2567	96	354	09:29:01.333	117GO105A106A4BN	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,018:54:0	
2568	96	354	09:29:07.333	117GO105A106A4BO	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,018:63:0	
2569	96	354	09:29:17.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4671.69 +/- 1	2R3	4	0	3,747,018:78:0	
2570	96	354	09:29:24.666	117GO105A106A4BP	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,018:89:0	
2571	**96**	**354**	**09:29:30.000**	**E4NNRELOAD06-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2572	96	354	09:29:30.666	117GO105A106A4BQ	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,019:07:0	
2573	96	354	09:29:37.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4676.37 +/- 1	2R3	4	0	3,747,019:17:0	
2574	96	354	09:29:48.000	117GO105A106A4BR	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,019:33:0	
2575	96	354	09:29:54.000	117GO105A106A4BS	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,019:42:0	
2576	96	354	09:30:11.333	117GO105A106A4BT	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,019:68:0	
2577	96	354	09:30:17.333	117GO105A106A4BU	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,019:77:0	
2578	**96**	**354**	**09:30:30.666**	**20EG6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,747,020:06:0**	
2579	96	354	09:30:34.666	117GO105A106A4BV	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,020:12:0	
2580	96	354	09:30:40.666	117GO105A106A4BW	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,020:21:0	
2581	96	354	09:30:58.000	117GO105A106A4BX	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,020:47:0	
2582	96	354	09:31:04.000	117GO105A106A4BY	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,020:56:0	
2583	96	354	09:31:21.333	117GO105A106A4BZ	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,020:82:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2584	96	354	09:31:27.333	117GO105A106A4CA	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,021:00:0	
2585	**96**	**354**	**09:31:31.333**	**20EG5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,747,021:06:0**	
2586	96	354	09:31:44.666	117GO105A106A4CB	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,021:26:0	
2587	96	354	09:31:50.666	117GO105A106A4CC	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,021:35:0	
2588	96	354	09:32:08.000	117GO105A106A4CD	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,021:61:0	
2589	96	354	09:32:14.000	117GO105A106A4CE	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,021:70:0	
2590	96	354	09:32:31.333	117GO105A106A4CF	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,022:05:0	
2591	**96**	**354**	**09:32:32.000**	**20EG5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,747,022:06:0**	
2592	96	354	09:32:37.333	117GO105A106A4CG	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,022:14:0	
2593	96	354	09:32:54.666	117GO105A106A4CH	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,022:40:0	
2594	96	354	09:33:00.666	117GO105A106A4CI	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,022:49:0	
2595	96	354	09:33:18.000	117GO105A106A4CJ	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,022:75:0	
2596	96	354	09:33:24.000	117GO105A106A4CK	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,022:84:0	
2597	**96**	**354**	**09:33:32.666**	**20EG6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,747,023:06:0**	
2598	96	354	09:33:41.333	117GO105A106A4CL	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,023:19:0	
2599	96	354	09:33:47.333	117GO105A106A4CM	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,023:28:0	
2600	96	354	09:34:04.666	117GO105A106A4CN	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,023:54:0	
2601	96	354	09:34:10.666	117GO105A106A4CO	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,023:63:0	
2602	96	354	09:34:28.000	117GO105A106A4CP	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,023:89:0	
2603	**96**	**354**	**09:34:33.333**	**20EG6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,747,024:06:0**	
2604	96	354	09:34:34.000	117GO105A106A4CQ	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,024:07:0	
2605	96	354	09:34:51.333	117GO105A106A4CR	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,024:33:0	
2606	96	354	09:34:57.333	117GO105A106A4CS	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,024:42:0	
2607	96	354	09:35:14.666	117GO105A106A4CT	7STRP	-0.026806,0.0012	Slew =12.01	2R3	4	0	3,747,024:68:0	
2608	96	354	09:35:20.666	117GO105A106A4CU	7STRP	0.027007,0.0,0,0	Slew =,1.91	2R3	4	0	3,747,024:77:0	
2609	**96**	**354**	**09:35:34.000**	**20EG5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,747,025:06:0**	
2610	96	354	09:35:38.000	117GO105A106A4CV	7STRP	-0.026806,0.0012	Slew =12.01	260	4	0	3,747,025:12:0	
2611	96	354	09:35:44.000	117GO105A106A4CW	7STRP	0.027007,0.0,0,0	Slew =,1.91	260	4	0	3,747,025:21:0	
2612	96	354	09:36:01.333	117GO105A106A4CX	7STRP	-0.026806,0.0012	Slew =12.01	260	4	0	3,747,025:47:0	
2613	96	354	09:36:07.333	117GO105A106A4CY	7STRP	0.027007,0.0,0,0	Slew =,1.91	260	4	0	3,747,025:56:0	
2614	96	354	09:36:24.666	117GO11A	**CSMOS**	GE	***** GROUP END CSMOS	260	4	0	3,747,025:82:0	
2615	96	354	09:36:24.666	176GO6B	6TMREC	**NRC**	NO RECORD Record Mode Change	260	4	0	3,747,025:82:0	
2616	96	354	09:36:33.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4676.43 +/- 1	260	4	0	3,747,026:04:0	
2617	**96**	**354**	**09:36:34.666**	**20EG5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,747,026:06:0**	
2618	96	354	09:36:34.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4676.55 +/- 1	260	4	0	3,747,026:06:2	
2619	96	354	09:36:36.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4676.99 +/- 1	260	4	0	3,747,026:09:0	
2620	96	354	09:36:50.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4680.11 +/- 1	260	4	0	3,747,026:29:0	
2621	**96**	**354**	**09:37:35.333**	**20EG4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,747,027:06:0**	
2622	**96**	**354**	**09:38:36.000**	**20EG4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,747,028:06:0**	
2623	96	354	09:41:32.666	165GP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,747,030:89:0	
2624	96	354	09:41:33.333	165GP4B	7SCAN	NORM,57.265,23.5	Check S/P Position	2R3	4	0	3,747,030:90:0	
2625	96	354	09:43:26.000	117GP	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,747,032:77:0	
2626	96	354	09:43:35.333	176GP6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,747,033:00:0	
2627	96	354	09:43:35.333	117GP105A106A4A	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,033:00:0	
2628	**96**	**354**	**09:44:40.000**	**E4NNRELOAD06-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2629	96	354	09:44:56.000	117GP105A106A4B	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,034:30:0	
2630	96	354	09:45:02.000	117GP105A106A4C	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,034:39:0	
2631	96	354	09:46:22.666	117GP105A106A4D	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,035:69:0	
2632	96	354	09:46:28.666	117GP105A106A4E	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,035:78:0	
2633	96	354	09:47:49.333	117GP105A106A4F	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,037:17:0	
2634	96	354	09:47:55.333	117GP105A106A4G	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,037:26:0	
2635	96	354	09:49:16.000	117GP105A106A4H	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,038:56:0	
2636	96	354	09:49:22.000	117GP105A106A4I	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,038:65:0	
2637	96	354	09:50:42.666	117GP105A106A4J	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,040:04:0	
2638	96	354	09:50:48.666	117GP105A106A4K	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,040:13:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2639	96	354	09:52:09.333	117GP105A106A4L	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,041:43:0	
2640	96	354	09:52:15.333	117GP105A106A4M	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,041:52:0	
2641	96	354	09:53:36.000	117GP105A106A4N	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,042:82:0	
2642	96	354	09:53:42.000	117GP105A106A4O	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,043:00:0	
2643	96	354	09:55:02.666	117GP105A106A4P	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,044:30:0	
2644	96	354	09:55:08.666	117GP105A106A4Q	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,044:39:0	
2645	96	354	09:56:17.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4680.17 +/- 1	2R3	4	0	3,747,045:51:0	
2646	96	354	09:56:18.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4680.29 +/- 1	2R3	4	0	3,747,045:53:2	
2647	96	354	09:56:29.333	117GP105A106A4R	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,045:69:0	
2648	96	354	09:56:35.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4684.17 +/- 1	2R3	4	0	3,747,045:78:0	
2649	96	354	09:56:35.333	117GP105A106A4S	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,045:78:0	
2650	96	354	09:56:55.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4688.85 +/- 1	2R3	4	0	3,747,046:17:0	
2651	96	354	09:57:56.000	117GP105A106A4T	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,047:17:0	
2652	96	354	09:58:02.000	117GP105A106A4U	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,047:26:0	
2653	96	354	09:59:22.666	117GP105A106A4V	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,048:56:0	
2654	96	354	09:59:28.666	117GP105A106A4W	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,048:65:0	
2655	96	354	10:00:49.333	117GP105A106A4X	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,050:04:0	
2656	96	354	10:00:55.333	117GP105A106A4Y	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,050:13:0	
2657	96	354	10:02:16.000	117GP105A106A4Z	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,051:43:0	
2658	96	354	10:02:22.000	117GP105A106A4AA	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,051:52:0	
2659	96	354	10:03:42.666	117GP105A106A4AB	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,052:82:0	
2660	96	354	10:03:48.666	117GP105A106A4AC	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,053:00:0	
2661	96	354	10:05:09.333	117GP105A106A4AD	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,054:30:0	
2662	96	354	10:05:15.333	117GP105A106A4AE	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,054:39:0	
2663	96	354	10:06:36.000	117GP105A106A4AF	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,055:69:0	
2664	96	354	10:06:42.000	117GP105A106A4AG	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,055:78:0	
2665	96	354	10:08:02.666	117GP105A106A4AH	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,057:17:0	
2666	96	354	10:08:08.666	117GP105A106A4AI	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,057:26:0	
2667	96	354	10:09:19.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4688.91 +/- 1	2R3	4	0	3,747,058:41:0	
2668	96	354	10:09:20.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4689.03 +/- 1	2R3	4	0	3,747,058:43:2	
2669	96	354	10:09:29.333	117GP105A106A4AJ	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,058:56:0	
2670	96	354	10:09:35.333	117GP105A106A4AK	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,058:65:0	
2671	96	354	10:09:37.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4692.91 +/- 1	2R3	4	0	3,747,058:68:0	
2672	96	354	10:09:57.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4697.59 +/- 1	2R3	4	0	3,747,059:07:0	
2673	96	354	10:10:56.000	117GP105A106A4AL	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,060:04:0	
2674	96	354	10:11:02.000	117GP105A106A4AM	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,060:13:0	
2675	96	354	10:12:22.666	117GP105A106A4AN	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,061:43:0	
2676	96	354	10:12:28.666	117GP105A106A4AO	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,061:52:0	
2677	96	354	10:13:49.333	117GP105A106A4AP	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,062:82:0	
2678	96	354	10:13:55.333	117GP105A106A4AQ	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,063:00:0	
2679	96	354	10:15:16.000	117GP105A106A4AR	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,064:30:0	
2680	96	354	10:15:22.000	117GP105A106A4AS	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,064:39:0	
2681	96	354	10:16:37.333	488U6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	3,747,065:61:0	
2682	96	354	10:16:42.666	117GP105A106A4AT	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,065:69:0	
2683	96	354	10:16:48.666	117GP105A106A4AU	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,065:78:0	
2684	96	354	10:18:09.333	117GP105A106A4AV	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,067:17:0	
2685	96	354	10:18:15.333	117GP105A106A4AW	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,067:26:0	
2686	96	354	10:19:36.000	117GP105A106A4AX	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,068:56:0	
2687	96	354	10:19:42.000	117GP105A106A4AY	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,068:65:0	
2688	96	354	10:21:02.666	117GP105A106A4AZ	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,070:04:0	
2689	96	354	10:21:08.666	117GP105A106A4BA	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,070:13:0	
2690	96	354	10:22:21.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4697.65 +/- 1	2R3	4	0	3,747,071:31:0	
2691	96	354	10:22:22.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4697.77 +/- 1	2R3	4	0	3,747,071:33:2	
2692	96	354	10:22:29.333	117GP105A106A4BB	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,071:43:0	
2693	96	354	10:22:35.333	117GP105A106A4BC	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,071:52:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2694	96	354	10:22:39.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4701.65 +/- 1	2R3	4	0	3,747,071:58:0	
2695	96	354	10:22:59.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4706.33 +/- 1	2R3	4	0	3,747,071:88:0	
2696	96	354	10:23:56.000	117GP105A106A4BD	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,072:82:0	
2697	96	354	10:24:02.000	117GP105A106A4BE	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,073:00:0	
2698	96	354	10:25:22.666	117GP105A106A4BF	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,074:30:0	
2699	96	354	10:25:28.666	117GP105A106A4BG	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,074:39:0	
2700	96	354	10:26:49.333	117GP105A106A4BH	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,075:69:0	
2701	96	354	10:26:55.333	117GP105A106A4BI	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,075:78:0	
2702	96	354	10:28:16.000	117GP105A106A4BJ	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,077:17:0	
2703	96	354	10:28:22.000	117GP105A106A4BK	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,077:26:0	
2704	96	354	10:29:42.666	117GP105A106A4BL	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,078:56:0	
2705	96	354	10:29:48.666	117GP105A106A4BM	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,078:65:0	
2706	96	354	10:31:09.333	117GP105A106A4BN	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,080:04:0	
2707	96	354	10:31:15.333	117GP105A106A4BO	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,080:13:0	
2708	96	354	10:32:36.000	117GP105A106A4BP	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,081:43:0	
2709	96	354	10:32:42.000	117GP105A106A4BQ	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,081:52:0	
2710	96	354	10:34:02.666	117GP105A106A4BR	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,082:82:0	
2711	96	354	10:34:08.666	117GP105A106A4BS	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,083:00:0	
2712	96	354	10:35:24.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4706.39 +/- 1	2R3	4	0	3,747,084:22:0	
2713	96	354	10:35:25.466		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4706.51 +/- 1	2R3	4	0	3,747,084:24:2	
2714	96	354	10:35:29.333	117GP105A106A4BT	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,084:30:0	
2715	96	354	10:35:35.333	117GP105A106A4BU	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,084:39:0	
2716	96	354	10:35:41.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4710.23 +/- 1	2R3	4	0	3,747,084:48:0	
2717	96	354	10:36:01.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4714.92 +/- 1	2R3	4	0	3,747,084:78:0	
2718	96	354	10:36:56.000	117GP105A106A4BV	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,085:69:0	
2719	96	354	10:37:02.000	117GP105A106A4BW	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,085:78:0	
2720	96	354	10:38:22.666	117GP105A106A4BX	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,087:17:0	
2721	96	354	10:38:28.666	117GP105A106A4BY	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,087:26:0	
2722	96	354	10:38:30.000	488U6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	3,747,087:28:0	
2723	96	354	10:39:49.333	117GP105A106A4BZ	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,088:56:0	
2724	96	354	10:39:55.333	117GP105A106A4CA	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,088:65:0	
2725	96	354	10:41:16.000	117GP105A106A4CB	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,090:04:0	
2726	96	354	10:41:22.000	117GP105A106A4CC	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,090:13:0	
2727	96	354	10:42:42.666	117GP105A106A4CD	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,091:43:0	
2728	96	354	10:42:48.666	117GP105A106A4CE	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,091:52:0	
2729	96	354	10:44:09.333	117GP105A106A4CF	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,092:82:0	
2730	96	354	10:44:15.333	117GP105A106A4CG	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,093:00:0	
2731	96	354	10:45:36.000	117GP105A106A4CH	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,094:30:0	
2732	96	354	10:45:42.000	117GP105A106A4CI	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,094:39:0	
2733	96	354	10:47:02.666	117GP105A106A4CJ	7STRP	-0.023504,0.0011	Slew =,11.0	2R3	4	0	3,747,095:69:0	
2734	96	354	10:47:08.666	117GP105A106A4CK	7STRP	0.024005,0.0,0,0	Slew =,0.31	2R3	4	0	3,747,095:78:0	
2735	96	354	10:48:26.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4714.98 +/- 1	2R3	4	0	3,747,097:12:0	
2736	96	354	10:48:27.466		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4715.10 +/- 1	2R3	4	0	3,747,097:14:2	
2737	96	354	10:48:29.333	117GP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,747,097:17:0	
2738	96	354	10:48:44.000		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4718.97 +/- 1	2R3	4	0	3,747,097:39:0	
2739	96	354	10:49:04.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4723.66 +/- 1	2R3	4	0	3,747,097:69:0	
2740	96	354	10:49:12.666	176GP6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,747,097:82:0	
2741	96	354	10:49:21.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4723.72 +/- 1	2R3	4	0	3,747,098:04:0	
2742	96	354	10:49:22.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4723.84 +/- 1	2R3	4	0	3,747,098:06:2	
2743	96	354	10:49:24.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4724.27 +/- 1	2R3	4	0	3,747,098:09:0	
2744	96	354	10:49:32.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4725.99 +/- 1	2R3	4	0	3,747,098:20:0	
2745	**96**	**354**	**10:54:26.000**	**E4JNFEA09501-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2746	96	354	10:55:18.000	127EP	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,747,103:84:0	
2747	**96**	**354**	**10:55:18.000**	**127EP4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,747,103:84:0**	
2748	**96**	**354**	**10:55:18.666**	**127EP4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,747,103:85:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2749	96	354	10:55:21.333	165EP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,747,103:89:0	
2750	96	354	10:55:22.000	165EP4B	7SCAN	NORM,28.934,14.5	Check S/P Position	2R5	4	1	3,747,103:90:0	
2751	96	354	10:55:26.666	127EP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,747,104:06:0	
2752	96	354	10:56:10.666	175EP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,747,104:72:0	
2753	96	354	10:56:14.000	117EP	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,747,104:77:0	
2754	96	354	10:56:17.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4726.05 +/- 1	2R5	4	1	3,747,104:82:0	
2755	96	354	10:56:18.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4726.17 +/- 1	2R5	4	1	3,747,104:84:2	
2756	96	354	10:56:18.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4726.17 +/- 1	2R5	4	1	3,747,104:84:2	
2757	96	354	10:56:20.000	175EP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,747,104:86:0	
2758	**96**	**354**	**10:56:22.938**	**E4JNFEA09501-**	**NIMPBK**	**301FI**	**JUPITER CAMP. FEAT. 95 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
2759	96	354	10:56:23.333	117EP105A106A4A	7STRP	0.047736,0.0,0,0	Slew =,0.12	2R5	4	1	3,747,105:00:0	
2760	**96**	**354**	**11:03:02.271**	**E4JNFEA09501-**	**DESELC**	**300FI**	**JUPITER CAMP. FEAT. 95 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
2761	96	354	11:03:02.666	117EP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,747,111:53:0	
2762	96	354	11:03:04.000	175EP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,747,111:55:0	
2763	96	354	11:03:04.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4821.14 +/- 1	2R5	4	1	3,747,111:55:0	
2764	96	354	11:03:04.000	175EP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,747,111:55:0	
2765	**96**	**354**	**11:03:06.666**	**E4JNFEA09501-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2766	96	354	11:04:27.333	165GQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,747,112:89:0	
2767	96	354	11:04:28.000	165GQ4B	7SCAN	NORM,28.884,14.0	Check S/P Position	2R5	4	1	3,747,112:90:0	
2768	96	354	11:05:20.000	117GQ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,747,113:77:0	
2769	96	354	11:05:29.333	117GQ105A106A4A	7STRP	-0.028007,0.0,0,	Slew =,0.12	2R5	4	1	3,747,114:00:0	
2770	96	354	11:05:29.333	176GQ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,747,114:00:0	
2771	96	354	11:09:28.000	117GQ105A106A4B	7STRP	0.025305,0.0015,	Slew =12.01	2R5	4	1	3,747,117:85:0	
2772	96	354	11:09:34.000	117GQ105A106A4C	7STRP	-0.028007,0.0,0,	Slew =,0.12	2R5	4	1	3,747,118:03:0	
2773	96	354	11:13:32.666	117GQ105A106A4D	7STRP	0.025305,0.0015,	Slew =12.01	2R5	4	1	3,747,121:88:0	
2774	96	354	11:13:38.666	117GQ105A106A4E	7STRP	-0.028007,0.0,0,	Slew =,0.12	2R5	4	1	3,747,122:06:0	
2775	96	354	11:17:37.333	117GQ105A106A4F	7STRP	0.025305,0.0015,	Slew =12.01	2R5	4	1	3,747,126:00:0	
2776	96	354	11:17:43.333	117GQ105A106A4G	7STRP	-0.028007,0.0,0,	Slew =,0.12	2R5	4	1	3,747,126:09:0	
2777	96	354	11:18:11.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4821.20 +/- 1	2R5	4	1	3,747,126:51:0	
2778	96	354	11:18:12.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4821.32 +/- 1	2R5	4	1	3,747,126:53:2	
2779	96	354	11:18:29.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4825.19 +/- 1	2R5	4	1	3,747,126:78:0	
2780	96	354	11:18:49.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4829.88 +/- 1	2R5	4	1	3,747,127:17:0	
2781	96	354	11:21:42.000	117GQ105A106A4H	7STRP	0.025305,0.0015,	Slew =12.01	2R5	4	1	3,747,130:03:0	
2782	96	354	11:21:48.000	117GQ105A106A4I	7STRP	-0.028007,0.0,0,	Slew =,0.12	2R5	4	1	3,747,130:12:0	
2783	96	354	11:25:46.666	117GQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,747,134:06:0	
2784	96	354	11:25:46.666	176GQ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,747,134:06:0	
2785	96	354	11:25:55.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4829.94 +/- 1	2R5	4	1	3,747,134:19:0	
2786	96	354	11:25:56.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4830.06 +/- 1	2R5	4	1	3,747,134:21:2	
2787	96	354	11:25:58.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4830.50 +/- 1	2R5	4	1	3,747,134:24:0	
2788	96	354	11:26:12.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4833.78 +/- 1	2R5	4	1	3,747,134:45:0	
2789	**96**	**354**	**11:27:48.000**	**E4JNFEA09502-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2790	96	354	11:28:43.333	165EQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,747,136:89:0	
2791	96	354	11:28:44.000	165EQ4B	7SCAN	NORM,29.919,14.8	Check S/P Position	2R5	4	1	3,747,136:90:0	
2792	96	354	11:31:42.000	127EQ	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,747,139:84:0	
2793	**96**	**354**	**11:31:42.000**	**127EQ4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,747,139:84:0**	
2794	**96**	**354**	**11:31:42.666**	**127EQ4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,747,139:85:0**	
2795	96	354	11:31:50.666	127EQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,747,140:06:0	
2796	96	354	11:32:34.666	175EQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,747,140:72:0	
2797	96	354	11:32:38.000	117EQ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,747,140:77:0	
2798	96	354	11:32:41.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4833.84 +/- 1	2R5	4	1	3,747,140:82:0	
2799	96	354	11:32:42.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4833.96 +/- 1	2R5	4	1	3,747,140:84:2	
2800	96	354	11:32:42.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4833.96 +/- 1	2R5	4	1	3,747,140:84:2	
2801	96	354	11:32:44.000	175EQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,747,140:86:0	
2802	**96**	**354**	**11:32:46.936**	**E4JNFEA09502-**	**NIMPBK**	**301FJ**	**JUPITER CAMP. FEAT. 95 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
2803	96	354	11:32:47.333	117EQ105A106A4A	7STRP	0.047536,0.0,0,0	Slew =,0.12	2R5	4	1	3,747,141:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2804	**96**	**354**	**11:39:24.270**	**E4JNFEA09502-**	**DESELC**	**300FJ**	**JUPITER CAMP. FEAT. 95 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
2805	96	354	11:39:24.666	117EQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,747,147:50:0	
2806	96	354	11:39:26.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4928.46 +/- 1	2R5	4	1	3,747,147:52:0	
2807	96	354	11:39:26.000	175EQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,747,147:52:0	
2808	96	354	11:39:26.000	175EQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,747,147:52:0	
2809	**96**	**354**	**11:39:28.666**	**E4JNFEA09502-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2810	96	354	11:40:51.333	165GR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,747,148:89:0	
2811	96	354	11:40:52.000	165GR4B	7SCAN	NORM,356.66,-0.5	Check S/P Position	2R5	4	1	3,747,148:90:0	
2812	96	354	11:41:44.000	117GR	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,747,149:77:0	
2813	96	354	11:41:53.333	117GR105A106A4A	7STRP	0.0,0.003,0,0,0,	Slew =,0.19	2R5	4	1	3,747,150:00:0	
2814	96	354	11:41:53.333	176GR6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,747,150:00:0	
2815	96	354	11:42:15.333	117GR11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,747,150:33:0	
2816	96	354	11:42:26.666	176GR6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,747,150:50:0	
2817	96	354	11:42:35.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4928.52 +/- 1	2R5	4	1	3,747,150:63:0	
2818	96	354	11:42:36.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4928.63 +/- 1	2R5	4	1	3,747,150:65:2	
2819	96	354	11:42:38.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4929.07 +/- 1	2R5	4	1	3,747,150:68:0	
2820	96	354	11:42:46.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4930.79 +/- 1	2R5	4	1	3,747,150:79:0	
2821	**96**	**354**	**11:46:00.000**	**E4JNFEA09503-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2822	96	354	11:46:55.333	165ER4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,747,154:89:0	
2823	96	354	11:46:56.000	165ER4B	7SCAN	NORM,31.161,15.2	Check S/P Position	2R5	4	1	3,747,154:90:0	
2824	**96**	**354**	**11:49:54.000**	**127ER4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,747,157:84:0**	
2825	96	354	11:49:54.000	127ER	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,747,157:84:0	
2826	**96**	**354**	**11:49:54.666**	**127ER4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,747,157:85:0**	
2827	96	354	11:50:02.666	127ER11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,747,158:06:0	
2828	96	354	11:50:46.666	175ER422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,747,158:72:0	
2829	96	354	11:50:50.000	117ER	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,747,158:77:0	
2830	96	354	11:50:53.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4930.85 +/- 1	2R5	4	1	3,747,158:82:0	
2831	96	354	11:50:54.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4930.97 +/- 1	2R5	4	1	3,747,158:84:2	
2832	96	354	11:50:54.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4930.97 +/- 1	2R5	4	1	3,747,158:84:2	
2833	96	354	11:50:56.000	175ER176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,747,158:86:0	
2834	**96**	**354**	**11:50:58.936**	**E4JNFEA09503-**	**NIMPBK**	**301FK**	**JUPITER CAMP. FEAT. 95 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
2835	96	354	11:50:59.333	117ER105A106A4A	7STRP	0.047536,0.0,0,0	Slew =,0.12	2R5	4	1	3,747,159:00:0	
2836	**96**	**354**	**11:51:22.270**	**E4JNFEA09503-**	**DESELC**	**300FK**	**JUPITER CAMP. FEAT. 95 DEG. PHAS**	**2R5**	**4**	**1**	**: :**	
2837	96	354	11:51:24.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4937.81 +/- 1	2R5	4	1	3,747,159:37:0	
2838	96	354	11:51:24.000	175ER422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,747,159:37:0	
2839	96	354	11:51:24.000	175ER6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,747,159:37:0	
2840	96	354	11:57:36.666	117ER11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,747,165:50:0	
2841	**96**	**354**	**11:57:40.666**	**E4JNFEA09503-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2842	96	354	12:57:42.000	488U6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R5	4	1	3,747,224:89:0	
2843	96	354	13:00:44.000	165GS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,747,227:89:0	
2844	96	354	13:00:44.666	165GS4B	7SCAN	NORM,319.100998,	Check S/P Position	2R5	4	1	3,747,227:90:0	
2845	96	354	13:04:38.666	117GS	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,747,231:77:0	
2846	96	354	13:04:48.000	176GS6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,747,232:00:0	
2847	96	354	13:04:48.000	117GS105A106A4A	7STRP	0.0,0.003,0,0,0,	Slew =,0.34	2R5	4	1	3,747,232:00:0	
2848	96	354	13:05:10.000	117GS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,747,232:33:0	
2849	96	354	13:05:21.333	176GS6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,747,232:50:0	
2850	96	354	13:05:30.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4937.87 +/- 1	2R5	4	1	3,747,232:63:0	
2851	96	354	13:05:31.466		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4937.99 +/- 1	2R5	4	1	3,747,232:65:2	
2852	96	354	13:05:33.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4938.43 +/- 1	2R5	4	1	3,747,232:68:0	
2853	96	354	13:05:40.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4940.15 +/- 1	2R5	4	1	3,747,232:79:0	
2854	96	354	13:10:45.333	465KD6A	6DTRN	CMD,6DTRN,465KD6	DMS TRACK TURNAROUND	2R5	4	1	3,747,237:81:0	
2855	**96**	**354**	**13:25:05.399**	**E4INCHEMIS06-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2856	96	354	13:26:00.666	165ES4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,747,252:89:0	
2857	96	354	13:26:01.333	165ES4B	7SCAN	NORM,5.326,3.407	Check S/P Position	2R5	4	1	3,747,252:90:0	
2858	**96**	**354**	**13:28:59.333**	**127ES4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,747,255:84:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2859	96	354	13:28:59.333	127ES	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,747,255:84:0	
2860	**96**	**354**	**13:29:00.000**	**127ES4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,747,255:85:0**	
2861	96	354	13:29:08.000	127ES11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,747,256:06:0	
2862	96	354	13:29:35.333	175ES422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,747,256:47:0	
2863	96	354	13:29:47.333	175ES176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,747,256:65:0	
2864	96	354	13:29:55.333	117ES	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,747,256:77:0	
2865	96	354	13:30:04.666	117ES105A106A4A	7STRP	-0.01,0.0,0,0,0,	Slew =,0.06	2R3	4	0	3,747,257:00:0	
2866	96	354	13:32:52.666	117ES11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,747,259:70:0	
2867	**96**	**354**	**13:33:03.399**	**E4INCHEMIS06-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2868	96	354	13:33:26.666	175ES422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,747,260:30:0	
2869	**96**	**354**	**13:36:12.732**	**E4INCOOLCV02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2870	**96**	**354**	**13:37:04.666**	**125EV4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,747,263:84:0**	
2871	96	354	13:37:04.666	125EV	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,747,263:84:0	
2872	96	354	13:37:04.666	125EV11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,747,263:84:0	
2873	96	354	13:38:05.333	127EU	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,747,264:84:0	
2874	**96**	**354**	**13:38:05.333**	**127EU4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**4R7**	**4**	**21**	**3,747,264:84:0**	
2875	**96**	**354**	**13:38:06.000**	**127EU4B**	**37ETB**	**07,C7,19,55,5D,0**	**Loads wavelength edit table**	**4R7**	**4**	**21**	**3,747,264:85:0**	
2876	96	354	13:38:08.666	165EU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	21	3,747,264:89:0	
2877	96	354	13:38:09.333	165EU4B	7SCAN	NORM,5.988,3.713	Check S/P Position	4R7	4	21	3,747,264:90:0	
2878	96	354	13:38:14.000	127EU11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	21	3,747,265:06:0	
2879	96	354	13:38:14.000	117EU	**CSMOS**	GS	***** GROUP START CSMOS	4R7	4	21	3,747,265:06:0	
2880	96	354	13:38:20.000	175EU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	21	3,747,265:15:0	
2881	96	354	13:38:29.333	175EU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R7	4	21	3,747,265:29:0	
2882	96	354	13:38:30.000	117EU105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,747,265:30:0	
2883	96	354	13:38:42.000	117EU105A106A4B	7STRP	0.00553,0.0,0,0,	Slew =,2.58	4R7	4	21	3,747,265:48:0	
2884	**96**	**354**	**13:38:48.266**	**E4INCOOLCV02-**	**NIMPBK**	**301FN**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
2885	96	354	13:38:48.666	117EU105A106A4C	7STRP	-0.006,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,747,265:58:0	
2886	96	354	13:39:00.666	117EU105A106A4D	7STRP	0.00553,0.0,0,0,	Slew =,2.58	4R7	4	21	3,747,265:76:0	
2887	**96**	**354**	**13:39:00.932**	**E4INCOOLCV02-**	**DESELC**	**300FN**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
2888	96	354	13:39:07.333	117EU105A106A4E	7STRP	-0.006,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,747,265:86:0	
2889	96	354	13:39:19.333	117EU105A106A4F	7STRP	0.00553,0.0,0,0,	Slew =,2.58	4R7	4	21	3,747,266:13:0	
2890	**96**	**354**	**13:39:25.599**	**E4INCOOLCV02-**	**NIMPBK**	**301LM**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
2891	96	354	13:39:26.000	117EU105A106A4G	7STRP	-0.006,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,747,266:23:0	
2892	96	354	13:39:38.000	117EU105A106A4H	7STRP	0.00553,0.0,0,0,	Slew =,2.58	4R7	4	21	3,747,266:41:0	
2893	**96**	**354**	**13:39:38.266**	**E4INCOOLCV02-**	**DESELC**	**300LM**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
2894	96	354	13:39:44.666	117EU105A106A4I	7STRP	-0.006,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,747,266:51:0	
2895	96	354	13:39:56.666	117EU105A106A4J	7STRP	0.00553,0.0,0,0,	Slew =,2.58	4R7	4	21	3,747,266:69:0	
2896	96	354	13:40:03.333	117EU105A106A4K	7STRP	-0.006,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,747,266:79:0	
2897	96	354	13:40:15.333	117EU105A106A4L	7STRP	0.00553,0.0,0,0,	Slew =,2.58	4R7	4	21	3,747,267:06:0	
2898	**96**	**354**	**13:40:21.599**	**E4INCOOLCV02-**	**NIMPBK**	**301FR**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
2899	96	354	13:40:22.000	117EU105A106A4M	7STRP	-0.006,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,747,267:16:0	
2900	96	354	13:40:34.000	117EU105A106A4N	7STRP	0.00553,0.0,0,0,	Slew =,2.58	4R7	4	21	3,747,267:34:0	
2901	**96**	**354**	**13:40:34.266**	**E4INCOOLCV02-**	**DESELC**	**300FR**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
2902	96	354	13:40:40.666	117EU105A106A4O	7STRP	-0.006,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,747,267:44:0	
2903	96	354	13:40:52.666	117EU105A106A4P	7STRP	0.00553,0.0,0,0,	Slew =,2.58	4R7	4	21	3,747,267:62:0	
2904	**96**	**354**	**13:40:58.932**	**E4INCOOLCV02-**	**NIMPBK**	**301DS**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
2905	96	354	13:40:59.333	117EU105A106A4Q	7STRP	-0.006,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,747,267:72:0	
2906	96	354	13:41:11.333	117EU105A106A4R	7STRP	0.00553,0.0,0,0,	Slew =,2.58	4R7	4	21	3,747,267:90:0	
2907	**96**	**354**	**13:41:11.599**	**E4INCOOLCV02-**	**DESELC**	**300DS**	**NIMS IO ECLIPSE OBSERVATION (ING**	**4R7**	**4**	**21**	**: :**	
2908	96	354	13:41:18.000	117EU105A106A4S	7STRP	-0.006,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,747,268:09:0	
2909	96	354	13:41:29.333	175EU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R7	4	21	3,747,268:26:0	
2910	96	354	13:41:29.333	175EU422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	21	3,747,268:26:0	
2911	96	354	13:41:30.000	117EU105A106A4T	7STRP	0.00553,0.0,0,0,	Slew =,2.58	4R7	4	21	3,747,268:27:0	
2912	96	354	13:41:36.666	117EU105A106A4U	7STRP	-0.006,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,747,268:37:0	
2913	96	354	13:41:48.666	117EU105A106A4V	7STRP	0.00553,0.0,0,0,	Slew =,2.58	4R7	4	21	3,747,268:55:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2914	96	354	13:41:55.333	117EU105A106A4W	7STRP	-0.006,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,747,268:65:0	
2915	96	354	13:42:07.333	117EU105A106A4X	7STRP	0.00553,0.0,0,0,	Slew =,2.58	4R7	4	21	3,747,268:83:0	
2916	96	354	13:42:14.000	117EU105A106A4Y	7STRP	-0.006,0.0,0,0,0	Slew =,0.76	4R7	4	21	3,747,269:02:0	
2917	96	354	13:42:26.000	117EU11A	**CSMOS**	GE	***** GROUP END CSMOS	4R7	4	21	3,747,269:20:0	
2918	96	354	13:46:05.333	175FY422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	21	3,747,272:76:0	
2919	96	354	13:46:14.666	175FY176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R7	4	21	3,747,272:90:0	
2920	96	354	13:49:14.666	175FY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R7	4	21	3,747,275:87:0	
2921	96	354	13:49:14.666	175FY422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	21	3,747,275:87:0	
2922	**96**	**354**	**13:51:22.732**	**E4INCOOLCV02-**		**-----STOP-------**		**4R7**	**4**	**21**	**: :**	
2923	**96**	**354**	**13:51:56.066**	**E4INTHRMAL01-**		**-----START------**		**4R7**	**4**	**21**	**: :**	
2924	96	354	13:52:18.000	165EV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	21	3,747,278:89:0	
2925	96	354	13:52:18.666	165EV4B	7SCAN	NORM,7.425,4.376	Check S/P Position	4R7	4	21	3,747,278:90:0	
2926	**96**	**354**	**13:55:16.666**	**127EV4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,747,281:84:0**	
2927	96	354	13:55:16.666	127EV	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,747,281:84:0	
2928	**96**	**354**	**13:55:17.333**	**127EV4B**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,747,281:85:0**	
2929	96	354	13:55:25.333	127EV11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,747,282:06:0	
2930	96	354	13:56:09.333	175EV422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,747,282:72:0	
2931	96	354	13:56:12.666	117EV	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,747,282:77:0	
2932	96	354	13:56:18.666	175EV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,747,282:86:0	
2933	96	354	13:56:22.000	117EV105A106A4A	7STRP	-0.0034,0.0,0,0,	Slew =,0.06	4R3	4	0	3,747,283:00:0	
2934	96	354	13:57:20.000	117EV11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,747,283:87:0	
2935	**96**	**354**	**13:57:26.732**	**E4INTHRMAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2936	96	354	13:57:31.333	175EV422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,747,284:13:0	
2937	96	354	13:57:31.333	175EV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,747,284:13:0	
2938	96	354	14:02:24.666	165GT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,747,288:89:0	
2939	96	354	14:02:25.333	165GT4B	7SCAN	NORM,53.842,21.2	Check S/P Position	4R3	4	0	3,747,288:90:0	
2940	96	354	14:06:19.333	117GT	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,747,292:77:0	
2941	96	354	14:06:28.666	176GT6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,747,293:00:0	
2942	96	354	14:06:28.666	117GT105A106A4A	7STRP	0.0,0.003,0,0,0,	Slew =,0.21	4R3	4	0	3,747,293:00:0	
2943	96	354	14:06:50.666	117GT11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,747,293:33:0	
2944	96	354	14:07:02.000	176GT6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,747,293:50:0	
2945	96	354	14:20:36.666	165GU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,747,306:89:0	
2946	96	354	14:20:37.333	165GU4B	7SCAN	NORM,324.285,-14	Check S/P Position	4R3	4	0	3,747,306:90:0	
2947	96	354	14:24:31.333	117GU	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,747,310:77:0	
2948	96	354	14:24:40.666	117GU105A106A4A	7STRP	0.0,0.003,0,0,0,	Slew =,0.29	4R3	4	0	3,747,311:00:0	
2949	96	354	14:24:40.666	176GU6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,747,311:00:0	
2950	96	354	14:25:02.666	117GU11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,747,311:33:0	
2951	96	354	14:25:14.000	176GU6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,747,311:50:0	
2952	**96**	**354**	**14:31:49.399**	**E4INVOLCAN01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2953	96	354	14:32:44.666	165EW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,747,318:89:0	
2954	96	354	14:32:45.333	165EW4B	7SCAN	NORM,10.736,5.88	Check S/P Position	4R3	4	0	3,747,318:90:0	
2955	96	354	14:34:42.666	125FA11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,747,320:84:0	
2956	96	354	14:34:42.666	125FA	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,747,320:84:0	
2957	**96**	**354**	**14:34:42.666**	**125FA4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,747,320:84:0**	
2958	**96**	**354**	**14:35:43.333**	**127EW4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,747,321:84:0**	
2959	96	354	14:35:43.333	127EW	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,747,321:84:0	
2960	**96**	**354**	**14:35:44.000**	**127EW4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,747,321:85:0**	
2961	96	354	14:35:52.000	127EW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,747,322:06:0	
2962	96	354	14:36:36.000	175EW422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,747,322:72:0	
2963	96	354	14:36:39.333	117EW	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,747,322:77:0	
2964	96	354	14:36:45.333	175EW176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,747,322:86:0	
2965	96	354	14:36:48.666	117EW105A106A4A	7STRP	-0.001,0.0,0,0,0	Slew =,0.04	2R3	4	0	3,747,323:00:0	
2966	96	354	14:37:15.333	117EW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,747,323:40:0	
2967	96	354	14:37:26.666	175EW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,747,323:57:0	
2968	96	354	14:37:26.666	175EW6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,747,323:57:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2969	**96**	**354**	**14:37:53.399**	**E4INVOLCAN01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2970	96	354	14:59:03.333	411JC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,747,345:00:0	
2971	96	354	14:59:11.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *6026.77 +/-	2R3	4	0	3,747,345:12:1	
2972	96	354	14:59:12.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *6026.65 +/-	2R3	4	0	3,747,345:14:3	
2973	96	354	14:59:12.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 6026.65 +/-	2R3	4	0	3,747,345:14:3	
2974	96	354	14:59:13.333	411JC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	3,747,345:15:0	
2975	96	354	15:01:14.666	411JC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,747,347:15:0	
2976	96	354	15:01:17.333	175TH176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,747,347:19:0	
2977	96	354	15:01:18.000	175TH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,747,347:20:0	
2978	96	354	15:01:24.666	175TH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,747,347:30:0	
2979	96	354	15:01:24.666		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5995.76 +/-	2R3	4	0	3,747,347:30:0	
2980	**96**	**354**	**15:07:12.732**	**E4INVOLCAN02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2981	96	354	15:08:08.000	165EX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,747,353:89:0	
2982	96	354	15:08:08.666	165EX4B	7SCAN	NORM,13.349,7.06	Check S/P Position	2R3	4	0	3,747,353:90:0	
2983	96	354	15:10:06.000	125FC	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,747,355:84:0	
2984	96	354	15:10:06.000	125FC11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,747,355:84:0	
2985	**96**	**354**	**15:10:06.000**	**125FC4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,747,355:84:0**	
2986	96	354	15:11:06.666	127EX	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,747,356:84:0	
2987	**96**	**354**	**15:11:06.666**	**127EX4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,747,356:84:0**	
2988	**96**	**354**	**15:11:07.333**	**127EX4B**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,747,356:85:0**	
2989	96	354	15:11:15.333	127EX11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,747,357:06:0	
2990	96	354	15:11:59.333	175EX422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,747,357:72:0	
2991	96	354	15:12:02.666	117EX	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,747,357:77:0	
2992	96	354	15:12:07.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5997.10 +/-	4R3	4	0	3,747,357:84:1	
2993	96	354	15:12:08.666	175EX176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,747,357:86:0	
2994	96	354	15:12:08.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5996.98 +/-	4R3	4	0	3,747,357:86:3	
2995	96	354	15:12:08.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5996.98 +/-	4R3	4	0	3,747,357:86:3	
2996	96	354	15:12:12.000	117EX105A106A4A	7STRP	-0.0015,0.0,0,0,	Slew =,0.04	4R3	4	0	3,747,358:00:0	
2997	96	354	15:12:51.333	117EX11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,747,358:59:0	
2998	96	354	15:13:02.666		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5984.37 +/-	4R3	4	0	3,747,358:76:0	
2999	96	354	15:13:02.666	175EX6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,747,358:76:0	
3000	96	354	15:13:02.666	175EX422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,747,358:76:0	
3001	**96**	**354**	**15:13:16.732**	**E4INVOLCAN02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3002	96	354	15:30:22.666	165JB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,747,375:89:0	
3003	96	354	15:30:23.333	165JB4B	7SCAN	NORM,15.042,7.69	Check S/P Position	4R3	4	0	3,747,375:90:0	
3004	**96**	**354**	**15:30:28.000**	**E4NNRELOAD07-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3005	**96**	**354**	**15:31:28.666**	**20EH6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**4R3**	**4**	**0**	**3,747,377:06:0**	
3006	**96**	**354**	**15:32:29.333**	**20EH5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**3,747,378:06:0**	
3007	**96**	**354**	**15:33:30.000**	**20EH5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**3,747,379:06:0**	
3008	96	354	15:34:25.333	118JB	**SMOS**	GS		4R3	4	0	3,747,379:89:0	
3009	96	354	15:34:25.333	165JB4C	7VECT		Inert vect update UTC	4R3	4	0	3,747,379:89:0	
3010	96	354	15:34:26.000	165JB4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	4R3	4	0	3,747,379:90:0	
3011	96	354	15:34:30.666	175IY422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,747,380:06:0	
3012	**96**	**354**	**15:34:31.333**	**20EH6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**3,747,380:07:0**	
3013	96	354	15:34:35.333	118JB110A111A4A	7STRP	-0.004,-0.004,46	Slew =,2.01	4R3	4	0	3,747,380:13:0	
3014	96	354	15:34:38.733		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5985.70 +/-	4R3	4	0	3,747,380:18:1	
3015	96	354	15:34:42.666	175IY176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,747,380:24:0	
3016	96	354	15:34:42.733		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5979.43 +/-	4R3	4	0	3,747,380:24:1	
3017	96	354	15:34:42.733		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5979.43 +/-	4R3	4	0	3,747,380:24:1	
3018	96	354	15:34:50.666	118JB11A	**SMOS**	GE		4R3	4	0	3,747,380:36:0	
3019	96	354	15:34:58.000	175IY422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,747,380:47:0	
3020	96	354	15:34:58.000		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *5925.76 +/-	4R3	4	0	3,747,380:47:0	
3021	96	354	15:35:26.000	165GV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,747,380:89:0	
3022	96	354	15:35:26.666	165GV4B	7SCAN	NORM,15.338,8.07	Check S/P Position	4R3	4	0	3,747,380:90:0	
3023	**96**	**354**	**15:35:31.333**	**20EH6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**3,747,381:06:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3024	96	354	15:36:18.666	117GV	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,747,381	77:0
3025	96	354	15:36:28.000	176GV6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,747,382	00:0
3026	96	354	15:36:28.000	117GV105A106A4A	7STRP	0.0023,0.0,0,0,0	Slew =,0.02	4R3	4	0	3,747,382	00:0
3027	**96**	**354**	**15:36:32.000**	**20EH5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,747,382**	**06:0**
3028	**96**	**354**	**15:37:32.666**	**20EH5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,747,383**	**06:0**
3029	96	354	15:38:25.333	117GV105A106A4B	7STRP	-0.0052,0.001,0,	Slew =,3.01	260	4	0	3,747,383	85:0
3030	96	354	15:38:31.333	117GV105A106A4C	7STRP	0.0023,0.0,0,0,0	Slew =,0.02	260	4	0	3,747,384	03:0
3031	**96**	**354**	**15:38:33.333**	**20EH4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,747,384**	**06:0**
3032	**96**	**354**	**15:39:34.000**	**20EH4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,747,385**	**06:0**
3033	96	354	15:40:28.666	117GV105A106A4D	7STRP	-0.0052,0.001,0,	Slew =,3.01	2R3	4	0	3,747,385	88:0
3034	96	354	15:40:34.666	117GV105A106A4E	7STRP	0.0023,0.0,0,0,0	Slew =,0.02	2R3	4	0	3,747,386	06:0
3035	96	354	15:42:32.000	117GV105A106A4F	7STRP	-0.0052,0.001,0,	Slew =,3.01	2R3	4	0	3,747,388	00:0
3036	96	354	15:42:38.000	117GV105A106A4G	7STRP	0.0023,0.0,0,0,0	Slew =,0.02	2R3	4	0	3,747,388	09:0
3037	96	354	15:44:35.333	117GV105A106A4H	7STRP	-0.0052,0.001,0,	Slew =,3.01	2R3	4	0	3,747,390	03:0
3038	96	354	15:44:41.333	117GV105A106A4I	7STRP	0.0023,0.0,0,0,0	Slew =,0.02	2R3	4	0	3,747,390	12:0
3039	**96**	**354**	**15:45:38.000**	**E4NNRELOAD07-**		**-----STOP-------**		**2R3**	**4**	**0**	**:**	**:**
3040	96	354	15:46:38.666	117GV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,747,392	06:0
3041	96	354	15:46:38.666	176GV6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,747,392	06:0
3042	96	354	15:46:48.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5926.24 +/-	2R3	4	0	3,747,392	21:1
3043	96	354	15:46:50.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5926.12 +/-	2R3	4	0	3,747,392	23:3
3044	96	354	15:46:50.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5926.01 +/-	2R3	4	0	3,747,392	24:0
3045	96	354	15:47:07.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5922.11 +/-	2R3	4	0	3,747,392	49:0
3046	96	354	15:48:18.666	488V6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	3,747,393	65:0
3047	**96**	**354**	**15:53:43.399**	**E4INWARMCV03-**		**-----START------**		**2R3**	**4**	**0**	**:**	**:**
3048	**96**	**354**	**15:54:35.333**	**125EY4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,747,399**	**84:0**
3049	96	354	15:54:35.333	125EY	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,747,399	84:0
3050	96	354	15:54:35.333	125EY11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,747,399	84:0
3051	96	354	15:55:36.000	127EY	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,747,400	84:0
3052	**96**	**354**	**15:55:36.000**	**127EY4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,747,400**	**84:0**
3053	**96**	**354**	**15:55:36.666**	**127EY4B**	**37ETB**	**07,C7,19,55,5D,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,747,400**	**85:0**
3054	96	354	15:55:39.333	165EY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,747,400	89:0
3055	96	354	15:55:40.000	165EY4B	7SCAN	NORM,16.592,8.49	Check S/P Position	2R7	4	21	3,747,400	90:0
3056	96	354	15:55:44.666	127EY11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,747,401	06:0
3057	96	354	15:55:44.666	117EY	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,747,401	06:0
3058	96	354	15:55:50.666	175EY422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,747,401	15:0
3059	96	354	15:55:58.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5923.44 +/-	2R7	4	21	3,747,401	27:1
3060	96	354	15:56:00.000	175EY176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,747,401	29:0
3061	96	354	15:56:00.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5923.32 +/-	2R7	4	21	3,747,401	29:3
3062	96	354	15:56:00.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5923.32 +/-	2R7	4	21	3,747,401	29:3
3063	96	354	15:56:00.666	117EY105A106A4A	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,401	30:0
3064	96	354	15:56:12.000	117EY105A106A4B	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,401	47:0
3065	**96**	**354**	**15:56:17.594**	**E4INWARMCV03-**	**NIMPBK**	**301FS**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**:**	**:**
3066	96	354	15:56:18.000	117EY105A106A4C	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,401	56:0
3067	96	354	15:56:29.333	117EY105A106A4D	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,401	73:0
3068	**96**	**354**	**15:56:29.594**	**E4INWARMCV03-**	**DESELC**	**300FS**	**DESELECT NIMS DATA**	**2R7**	**4**	**21**	**:**	**:**
3069	96	354	15:56:35.333	117EY105A106A4E	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,401	82:0
3070	96	354	15:56:46.666	117EY105A106A4F	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,402	08:0
3071	96	354	15:56:52.666	117EY105A106A4G	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,402	17:0
3072	96	354	15:57:04.000	117EY105A106A4H	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,402	34:0
3073	96	354	15:57:10.000	117EY105A106A4I	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,402	43:0
3074	96	354	15:57:21.333	117EY105A106A4J	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,402	60:0
3075	**96**	**354**	**15:57:26.927**	**E4INWARMCV03-**	**NIMPBK**	**301LG**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**:**	**:**
3076	96	354	15:57:27.333	117EY105A106A4K	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,402	69:0
3077	96	354	15:57:38.666	117EY105A106A4L	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,402	86:0
3078	**96**	**354**	**15:57:38.927**	**E4INWARMCV03-**	**DESELC**	**300LG**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**:**	**:**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3079	96	354	15:57:44.666	117EY105A106A4M	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,403:04:0	
3080	96	354	15:57:56.000	117EY105A106A4N	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,403:21:0	
3081	96	354	15:58:02.000	117EY105A106A4O	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,403:30:0	
3082	96	354	15:58:13.333	117EY105A106A4P	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,403:47:0	
3083	96	354	15:58:19.333	117EY105A106A4Q	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,403:56:0	
3084	96	354	15:58:30.666	117EY105A106A4R	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,403:73:0	
3085	**96**	**354**	**15:58:36.261**	**E4INWARMCV03-**	**NIMPBK**	**301LH**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
3086	96	354	15:58:36.666	117EY105A106A4S	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,403:82:0	
3087	96	354	15:58:48.000	117EY105A106A4T	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,404:08:0	
3088	**96**	**354**	**15:58:48.261**	**E4INWARMCV03-**	**DESELC**	**300LH**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
3089	96	354	15:58:54.000	117EY105A106A4U	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,404:17:0	
3090	96	354	15:59:05.333	117EY105A106A4V	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,404:34:0	
3091	96	354	15:59:11.333	117EY105A106A4W	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,404:43:0	
3092	96	354	15:59:22.666	117EY105A106A4X	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,404:60:0	
3093	96	354	15:59:28.666	117EY105A106A4Y	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,404:69:0	
3094	96	354	15:59:40.000	117EY105A106A4Z	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,404:86:0	
3095	**96**	**354**	**15:59:45.593**	**E4INWARMCV03-**	**NIMPBK**	**301LI**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
3096	96	354	15:59:46.000	117EY105A106A4AA	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,405:04:0	
3097	96	354	15:59:57.333	117EY105A106A4AB	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,405:21:0	
3098	**96**	**354**	**15:59:57.593**	**E4INWARMCV03-**	**DESELC**	**300LI**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
3099	96	354	16:00:03.333	117EY105A106A4AC	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,405:30:0	
3100	96	354	16:00:14.666	117EY105A106A4AD	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,405:47:0	
3101	96	354	16:00:20.666	117EY105A106A4AE	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,405:56:0	
3102	96	354	16:00:32.000	117EY105A106A4AF	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,405:73:0	
3103	96	354	16:00:38.000	117EY105A106A4AG	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,405:82:0	
3104	96	354	16:00:49.333	117EY105A106A4AH	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,406:08:0	
3105	**96**	**354**	**16:00:54.926**	**E4INWARMCV03-**	**NIMPBK**	**301LF**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
3106	96	354	16:00:55.333	117EY105A106A4AI	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,406:17:0	
3107	96	354	16:01:06.666	117EY105A106A4AJ	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,406:34:0	
3108	**96**	**354**	**16:01:06.926**	**E4INWARMCV03-**	**DESELC**	**300LF**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
3109	96	354	16:01:12.666	117EY105A106A4AK	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,406:43:0	
3110	96	354	16:01:24.000	117EY105A106A4AL	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,406:60:0	
3111	96	354	16:01:30.000	117EY105A106A4AM	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,406:69:0	
3112	96	354	16:01:41.333	117EY105A106A4AN	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,406:86:0	
3113	96	354	16:01:47.333	117EY105A106A4AO	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,407:04:0	
3114	96	354	16:01:58.666	117EY105A106A4AP	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,407:21:0	
3115	**96**	**354**	**16:02:04.260**	**E4INWARMCV03-**	**NIMPBK**	**301LJ**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
3116	96	354	16:02:04.666	117EY105A106A4AQ	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,407:30:0	
3117	96	354	16:02:16.000	117EY105A106A4AR	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,407:47:0	
3118	**96**	**354**	**16:02:16.260**	**E4INWARMCV03-**	**DESELC**	**300LJ**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
3119	96	354	16:02:22.000	117EY105A106A4AS	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,407:56:0	
3120	96	354	16:02:33.333	117EY105A106A4AT	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,407:73:0	
3121	96	354	16:02:39.333	117EY105A106A4AU	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,407:82:0	
3122	96	354	16:02:50.666	117EY105A106A4AV	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,408:08:0	
3123	96	354	16:02:56.666	117EY105A106A4AW	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,408:17:0	
3124	96	354	16:03:08.000	117EY105A106A4AX	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,408:34:0	
3125	**96**	**354**	**16:03:13.593**	**E4INWARMCV03-**	**NIMPBK**	**301LK**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
3126	96	354	16:03:14.000	117EY105A106A4AY	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,408:43:0	
3127	96	354	16:03:25.333	117EY105A106A4AZ	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,408:60:0	
3128	**96**	**354**	**16:03:25.593**	**E4INWARMCV03-**	**DESELC**	**300LK**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
3129	96	354	16:03:31.333	117EY105A106A4BA	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,408:69:0	
3130	96	354	16:03:42.666	117EY105A106A4BB	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,408:86:0	
3131	96	354	16:03:48.666	117EY105A106A4BC	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,409:04:0	
3132	96	354	16:04:00.000	117EY105A106A4BD	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,409:21:0	
3133	**96**	**354**	**16:04:05.593**	**E4INWARMCV03-**	**NIMPBK**	**301LL**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3134	96	354	16:04:06.000	117EY105A106A4BE	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,409:30:0	
3135	96	354	16:04:17.333	117EY105A106A4BF	7STRP	0.0046,0.0,0,0,0	Slew =,2.58	2R7	4	21	3,747,409:47:0	
3136	**96**	**354**	**16:04:17.593**	**E4INWARMCV03-**	**DESELC**	**300LL**	**NIMS IO ECLIPSE OBSERVATION (EGR**	**2R7**	**4**	**21**	**: :**	
3137	96	354	16:04:23.333	117EY105A106A4BG	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,409:56:0	
3138	96	354	16:04:30.000	175EY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,747,409:66:0	
3139	96	354	16:04:30.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5803.84 +/-	2R7	4	21	3,747,409:66:0	
3140	96	354	16:04:30.000	175EY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,747,409:66:0	
3141	96	354	16:04:34.666	117EY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,747,409:73:0	
3142	**96**	**354**	**16:08:53.399**	**E4INWARMCV03-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
3143	**96**	**354**	**16:09:54.066**	**E4INRTIMON02-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
3144	96	354	16:10:49.333	165FS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,747,415:89:0	
3145	96	354	16:10:50.000	165FS4B	7SCAN	NORM,18.174,9.36	Check S/P Position	2R7	4	21	3,747,415:90:0	
3146	96	354	16:12:47.333	125FS	NIMSINIT	GS	##### GROUP START INIT	2R7	4	21	3,747,417:84:0	
3147	96	354	16:12:47.333	125FS11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	21	3,747,417:84:0	
3148	**96**	**354**	**16:12:47.333**	**125FS4A**	**37MB**	**1C,07,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R7**	**4**	**21**	**3,747,417:84:0**	
3149	96	354	16:13:48.000	127FS	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,747,418:84:0	
3150	**96**	**354**	**16:13:48.000**	**127FS4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,747,418:84:0**	
3151	**96**	**354**	**16:13:48.666**	**127FS4B**	**37ETB**	**07,C7,19,2A,95,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,747,418:85:0**	
3152	96	354	16:13:56.666	127FS11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,747,419:06:0	
3153	**96**	**354**	**16:14:12.666**	**432DC6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R7**	**4**	**21**	**3,747,419:30:0**	
3154	96	354	16:14:44.000	117FS	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,747,419:77:0	
3155	96	354	16:14:53.333	117FS105A106A4A	7STRP	0.004,0.0,0,0,0,	Slew =,0.76	2R7	4	21	3,747,420:00:0	
3156	96	354	16:15:02.666	117FS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,747,420:14:0	
3157	**96**	**354**	**16:16:12.666**	**432DD6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R7**	**4**	**21**	**3,747,421:28:0**	
3158	96	354	16:17:50.666	125FT	NIMSINIT	GS	##### GROUP START INIT	2R7	4	21	3,747,422:84:0	
3159	**96**	**354**	**16:17:50.666**	**125FT4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R7**	**4**	**21**	**3,747,422:84:0**	
3160	96	354	16:17:50.666	125FT11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	21	3,747,422:84:0	
3161	**96**	**354**	**16:17:59.399**	**E4INRTIMON02-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
3162	**96**	**354**	**16:19:00.066**	**E4INWARMCV04-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
3163	96	354	16:19:08.000	165EZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,747,424:18:0	
3164	96	354	16:19:08.666	165EZ4B	7SCAN	NORM,18.517,9.32	Check S/P Position	2R7	4	21	3,747,424:19:0	
3165	**96**	**354**	**16:20:52.666**	**127EZ4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,747,425:84:0**	
3166	96	354	16:20:52.666	127EZ	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,747,425:84:0	
3167	**96**	**354**	**16:20:53.333**	**127EZ4B**	**37ETB**	**07,C7,19,55,5D,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,747,425:85:0**	
3168	96	354	16:21:01.333	127EZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,747,426:06:0	
3169	96	354	16:21:01.333	117EZ	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,747,426:06:0	
3170	96	354	16:21:34.000	175EZ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,747,426:55:0	
3171	96	354	16:21:42.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5805.17 +/-	2R7	4	21	3,747,426:67:1	
3172	96	354	16:21:43.333	175EZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,747,426:69:0	
3173	96	354	16:21:43.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5805.05 +/-	2R7	4	21	3,747,426:69:3	
3174	96	354	16:21:43.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5805.05 +/-	2R7	4	21	3,747,426:69:3	
3175	96	354	16:21:44.000	117EZ105A106A4A	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,426:70:0	
3176	**96**	**354**	**16:21:44.260**	**E4INWARMCV04-**	**NIMPBK**	**301FU**	**NNIMS IO ECLIPSE OBS. (POST-EGRE**	**2R7**	**4**	**21**	**: :**	
3177	**96**	**354**	**16:21:55.593**	**E4INWARMCV04-**	**DESELC**	**300FU**	**NNIMS IO ECLIPSE OBS. (POST-EGRE**	**2R7**	**4**	**21**	**: :**	
3178	96	354	16:21:56.000	117EZ105A106A4B	7STRP	0.0046,0.0,0,0,0	Slew =0,1.4	2R7	4	21	3,747,426:88:0	
3179	96	354	16:22:04.666	117EZ105A106A4C	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,427:10:0	
3180	96	354	16:22:16.666	117EZ105A106A4D	7STRP	0.0046,0.0,0,0,0	Slew =0,1.4	2R7	4	21	3,747,427:28:0	
3181	**96**	**354**	**16:22:23.593**	**E4INWARMCV04-**	**NIMPBK**	**301LC**	**NNIMS IO ECLIPSE OBS. (POST-EGRE**	**2R7**	**4**	**21**	**: :**	
3182	96	354	16:22:25.333	117EZ105A106A4E	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,427:41:0	
3183	**96**	**354**	**16:22:36.926**	**E4INWARMCV04-**	**DESELC**	**300LC**	**NNIMS IO ECLIPSE OBS. (POST-EGRE**	**2R7**	**4**	**21**	**: :**	
3184	96	354	16:22:37.333	117EZ105A106A4F	7STRP	0.0046,0.0,0,0,0	Slew =0,1.4	2R7	4	21	3,747,427:59:0	
3185	96	354	16:22:46.000	117EZ105A106A4G	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,427:72:0	
3186	96	354	16:22:58.000	117EZ105A106A4H	7STRP	0.0046,0.0,0,0,0	Slew =0,1.4	2R7	4	21	3,747,427:90:0	
3187	**96**	**354**	**16:23:04.926**	**E4INWARMCV04-**	**NIMPBK**	**301LD**	**NNIMS IO ECLIPSE OBS. (POST-EGRE**	**2R7**	**4**	**21**	**: :**	
3188	96	354	16:23:06.666	117EZ105A106A4I	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,428:12:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3189	**96**	**354**	**16:23:18.260**	**E4INWARMCV04-**	**DESELC**	**300LD**	**NNIMS IO ECLIPSE OBS. (POST-EGRE**	**2R7**	**4**	**21**	**: :**	
3190	96	354	16:23:18.666	117EZ105A106A4J	7STRP	0.0046,0.0,0,0,0	Slew =0,1.4	2R7	4	21	3,747,428:30:0	
3191	96	354	16:23:27.333	117EZ105A106A4K	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,428:43:0	
3192	96	354	16:23:39.333	117EZ105A106A4L	7STRP	0.0046,0.0,0,0,0	Slew =0,1.4	2R7	4	21	3,747,428:61:0	
3193	**96**	**354**	**16:23:46.260**	**E4INWARMCV04-**	**NIMPBK**	**301LE**	**NNIMS IO ECLIPSE OBS. (POST-EGRE**	**2R7**	**4**	**21**	**: :**	
3194	96	354	16:23:48.000	117EZ105A106A4M	7STRP	-0.005,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,747,428:74:0	
3195	**96**	**354**	**16:23:58.926**	**E4INWARMCV04-**	**DESELC**	**300LE**	**NNIMS IO ECLIPSE OBS. (POST-EGRE**	**2R7**	**4**	**21**	**: :**	
3196	96	354	16:24:00.000	117EZ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,747,429:01:0	
3197	96	354	16:24:10.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5770.72 +/-	2R7	4	21	3,747,429:16:0	
3198	96	354	16:24:10.000	175EZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,747,429:16:0	
3199	96	354	16:24:10.000	175EZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,747,429:16:0	
3200	**96**	**354**	**16:24:16.732**	**E4INWARMCV04-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
3201	96	354	17:11:35.333	488V6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R7	4	21	3,747,476:07:0	
3202	96	354	17:38:32.000	488V6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R7	4	21	3,747,502:66:0	
3203	96	354	18:18:13.333	165GW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,747,541:89:0	
3204	96	354	18:18:14.000	165GW4B	7SCAN	NORM,339.974998,	Check S/P Position	2R7	4	21	3,747,541:90:0	
3205	96	354	18:22:08.000	117GW	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,747,545:77:0	
3206	96	354	18:22:17.333	117GW105A106A4A	7STRP	0.0,0.003,0,0,0,	Slew =,0.23	2R7	4	21	3,747,546:00:0	
3207	96	354	18:22:17.333	176GW6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R7	4	21	3,747,546:00:0	
3208	96	354	18:22:39.333	117GW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,747,546:33:0	
3209	96	354	18:22:50.666	176GW6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,747,546:50:0	
3210	96	354	18:23:00.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5772.06 +/-	2R7	4	21	3,747,546:65:1	
3211	96	354	18:23:02.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5771.94 +/-	2R7	4	21	3,747,546:67:3	
3212	96	354	18:23:02.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5771.83 +/-	2R7	4	21	3,747,546:68:0	
3213	96	354	18:23:10.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5770.11 +/-	2R7	4	21	3,747,546:79:0	
3214	96	354	19:39:38.000	488V6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R7	4	21	3,747,622:45:0	
3215	96	354	19:51:00.000	488V6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R7	4	21	3,747,633:67:0	
3216	**96**	**354**	**20:06:30.000**	**E4GNGLOBAL01-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
3217	96	354	20:07:25.333	165FZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,747,649:89:0	
3218	96	354	20:07:26.000	165FZ4B	7SCAN	NORM,347.348999,	Check S/P Position	2R7	4	21	3,747,649:90:0	
3219	**96**	**354**	**20:09:23.333**	**125FQ4A**	**37IST**	**0,2,0,OFF,0,1,2**	**Gain State 3**	**3R7**	**4**	**21**	**3,747,651:84:0**	
3220	96	354	20:09:23.333	125FQ	NIMSINIT	GS	##### GROUP START INIT	3R7	4	21	3,747,651:84:0	
3221	96	354	20:09:23.333	125FQ11A	NIMSINIT	GE	##### GROUP END INIT	3R7	4	21	3,747,651:84:0	
3222	96	354	20:10:24.000	127FQ	NIMSTAB	GS	%%%%% GROUP START TAB	3R7	4	21	3,747,652:84:0	
3223	**96**	**354**	**20:10:24.000**	**127FQ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**3R3**	**4**	**0**	**3,747,652:84:0**	
3224	**96**	**354**	**20:10:24.666**	**127FQ4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,747,652:85:0**	
3225	96	354	20:10:32.666	127FQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,747,653:06:0	
3226	96	354	20:11:14.000	175FX422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R3	4	0	3,747,653:68:0	
3227	96	354	20:11:20.000	117FZ	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,747,653:77:0	
3228	96	354	20:11:22.066		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *5771.45 +/-	3R3	4	0	3,747,653:80:1	
3229	96	354	20:11:26.000	175FX176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R3	4	0	3,747,653:86:0	
3230	96	354	20:11:26.066		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *5769.95 +/-	3R3	4	0	3,747,653:86:1	
3231	96	354	20:11:26.066		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 5769.95 +/-	3R3	4	0	3,747,653:86:1	
3232	96	354	20:11:29.333	117FZ105A106A4A	7STRP	0.002,0.0,0,0,0,	Slew =,0.01	3R3	4	0	3,747,654:00:0	
3233	**96**	**354**	**20:11:29.584**	**E4GNGLOBAL01-**	**NIMPBK**	**301FW**	**GANYMEDE GLOBAL MAP**	**3R3**	**4**	**0**	**: :**	
3234	**96**	**354**	**20:12:59.584**	**E4GNGLOBAL01-**	**DESELC**	**300FW**	**GANYMEDE GLOBAL MAP**	**3R3**	**4**	**0**	**: :**	
3235	96	354	20:15:21.333	117FZ11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,747,657:75:0	
3236	96	354	20:15:25.333	175FX422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,747,657:81:0	
3237	96	354	20:15:25.333		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *5559.65 +/-	3R3	4	0	3,747,657:81:0	
3238	**96**	**354**	**20:15:35.999**	**E4GNGLOBAL01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
3239	96	354	20:56:26.000	488W6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	3R3	4	0	3,747,698:41:0	
3240	96	354	21:00:00.000	488W6B	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	3R3	4	0	3,747,701:89:0	
3241	96	354	21:28:26.000	488W6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	3R3	4	0	3,747,730:09:0	
3242	96	354	21:33:22.000	165GX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,747,734:89:0	
3243	96	354	21:33:22.666	165GX4B	7SCAN	NORM,62.802,25.6	Check S/P Position	3R3	4	0	3,747,734:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3244	96	354	21:37:16.666	117GX	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,747,738	77:0
3245	96	354	21:37:26.000	176GX6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	3,747,739	00:0
3246	96	354	21:37:26.000	117GX105A106A4A	7STRP	-0.025005,0.0420	Slew =,0.14	3R3	4	0	3,747,739	00:0
3247	96	354	21:45:10.666	117GX105A106B4A	7STRP	0.001,0.0,0,0,0,	Slew =12.01	3R3	4	0	3,747,746	60:0
3248	96	354	21:45:18.000	117GX105A106B4B	7STRP	0.015001,0.04306	Slew =,0.14	3R3	4	0	3,747,746	71:0
3249	96	354	21:50:09.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5560.83 +/-	3R3	4	0	3,747,751	53:1
3250	96	354	21:50:10.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5560.71 +/-	3R3	4	0	3,747,751	55:3
3251	96	354	21:50:26.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5557.16 +/-	3R3	4	0	3,747,751	78:0
3252	96	354	21:50:46.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5552.47 +/-	3R3	4	0	3,747,752	17:0
3253	96	354	21:52:57.333	117GX11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,747,754	32:0
3254	96	354	21:54:55.333	176GX6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,747,756	27:0
3255	96	354	21:55:05.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5553.81 +/-	3R3	4	0	3,747,756	42:1
3256	96	354	21:55:06.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5553.69 +/-	3R3	4	0	3,747,756	44:3
3257	96	354	21:55:07.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5553.58 +/-	3R3	4	0	3,747,756	45:0
3258	96	354	21:55:18.666		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5550.92 +/-	3R3	4	0	3,747,756	62:0
3259	96	354	22:40:58.000	488W6D	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	3R3	4	0	3,747,801	76:0
3260	96	354	22:45:09.333	165GY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,747,805	89:0
3261	96	354	22:45:10.000	165GY4B	7SCAN	NORM,63.811,24.8	Check S/P Position	3R3	4	0	3,747,805	90:0
3262	96	354	22:49:04.000	117GY	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,747,809	77:0
3263	96	354	22:49:13.333	176GY6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	3,747,810	00:0
3264	96	354	22:49:13.333	117GY105A106A4A	7STRP	0.0,0.014502,0,0	Slew =,0.16	3R3	4	0	3,747,810	00:0
3265	96	354	22:51:37.333	117GY105A106A4B	7STRP	-0.0015,-0.01450	Slew =12.01	3R3	4	0	3,747,812	34:0
3266	96	354	22:51:49.333	117GY105A106A4C	7STRP	0.0,0.014502,0,0	Slew =,0.16	3R3	4	0	3,747,812	52:0
3267	96	354	22:54:13.333	117GY105A106A4D	7STRP	-0.0015,-0.01450	Slew =12.01	3R3	4	0	3,747,814	86:0
3268	96	354	22:54:25.333	117GY105A106A4E	7STRP	0.0,0.014502,0,0	Slew =,0.16	3R3	4	0	3,747,815	13:0
3269	96	354	22:56:49.333	117GY105A106A4F	7STRP	-0.0015,-0.01450	Slew =12.01	3R3	4	0	3,747,817	47:0
3270	96	354	22:57:01.333	117GY105A106A4G	7STRP	0.0,0.014502,0,0	Slew =,0.16	3R3	4	0	3,747,817	65:0
3271	96	354	22:59:25.333	117GY105A106A4H	7STRP	-0.0015,-0.01450	Slew =12.01	3R3	4	0	3,747,820	08:0
3272	96	354	22:59:37.333	117GY105A106A4I	7STRP	0.0,0.014502,0,0	Slew =,0.16	3R3	4	0	3,747,820	26:0
3273	96	354	23:01:56.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5552.26 +/-	3R3	4	0	3,747,822	53:1
3274	96	354	23:01:58.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5552.14 +/-	3R3	4	0	3,747,822	55:3
3275	96	354	23:02:01.333	117GY105A106A4J	7STRP	-0.0015,-0.01450	Slew =12.01	3R3	4	0	3,747,822	60:0
3276	96	354	23:02:13.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5548.59 +/-	3R3	4	0	3,747,822	78:0
3277	96	354	23:02:13.333	117GY105A106A4K	7STRP	0.0,0.014502,0,0	Slew =,0.16	3R3	4	0	3,747,822	78:0
3278	96	354	23:02:33.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5543.90 +/-	3R3	4	0	3,747,823	17:0
3279	96	354	23:04:37.333	117GY105A106A4L	7STRP	-0.0015,-0.01450	Slew =12.01	3R3	4	0	3,747,825	21:0
3280	96	354	23:04:49.333	117GY105A106A4M	7STRP	0.0,0.014502,0,0	Slew =,0.16	3R3	4	0	3,747,825	39:0
3281	96	354	23:07:13.333	117GY105A106A4N	7STRP	-0.0015,-0.01450	Slew =12.01	3R3	4	0	3,747,827	73:0
3282	96	354	23:07:25.333	117GY105A106A4O	7STRP	0.0,0.014502,0,0	Slew =,0.16	3R3	4	0	3,747,828	00:0
3283	96	354	23:09:49.333	117GY105A106A4P	7STRP	-0.0015,-0.01450	Slew =12.01	3R3	4	0	3,747,830	34:0
3284	96	354	23:10:01.333	117GY105A106A4Q	7STRP	0.0,0.014502,0,0	Slew =,0.16	3R3	4	0	3,747,830	52:0
3285	96	354	23:12:25.333	117GY105A106A4R	7STRP	-0.0015,-0.01450	Slew =12.01	3R3	4	0	3,747,832	86:0
3286	96	354	23:12:37.333	117GY105A106A4S	7STRP	0.0,0.014502,0,0	Slew =,0.16	3R3	4	0	3,747,833	13:0
3287	96	354	23:14:58.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5545.24 +/-	3R3	4	0	3,747,835	43:1
3288	96	354	23:15:00.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5545.12 +/-	3R3	4	0	3,747,835	45:3
3289	96	354	23:15:01.333	117GY105A106B4A	7STRP	0.023004,0.01000	Slew =12.01	3R3	4	0	3,747,835	47:0
3290	96	354	23:15:14.000	117GY105A106B4B	7STRP	0.0,0.00725,0,0,	Slew =,0.16	3R3	4	0	3,747,835	66:0
3291	96	354	23:15:15.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5541.57 +/-	3R3	4	0	3,747,835	68:0
3292	96	354	23:15:35.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5536.89 +/-	3R3	4	0	3,747,836	07:0
3293	96	354	23:16:26.000	117GY105A106C4A	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,836	83:0
3294	96	354	23:16:36.666	117GY105A106C4B	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,837	08:0
3295	96	354	23:17:48.666	117GY105A106C4C	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,838	25:0
3296	96	354	23:17:59.333	117GY105A106C4D	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,838	41:0
3297	96	354	23:19:11.333	117GY105A106C4E	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,839	58:0
3298	96	354	23:19:22.000	117GY105A106C4F	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,839	74:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3299	96	354	23:20:34.000	117GY105A106C4G	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,841	00:0
3300	96	354	23:20:44.666	117GY105A106C4H	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,841	16:0
3301	96	354	23:21:56.666	117GY105A106C4I	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,842	33:0
3302	96	354	23:22:07.333	117GY105A106C4J	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,842	49:0
3303	96	354	23:23:19.333	117GY105A106C4K	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,843	66:0
3304	96	354	23:23:30.000	117GY105A106C4L	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,843	82:0
3305	96	354	23:24:42.000	117GY105A106C4M	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,845	08:0
3306	96	354	23:24:52.666	117GY105A106C4N	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,845	24:0
3307	96	354	23:26:04.666	117GY105A106C4O	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,846	41:0
3308	96	354	23:26:15.333	117GY105A106C4P	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,846	57:0
3309	96	354	23:27:27.333	117GY105A106C4Q	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,847	74:0
3310	96	354	23:27:38.000	117GY105A106C4R	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,847	90:0
3311	96	354	23:28:00.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5538.22 +/-	3R3	4	0	3,747,848	33:1
3312	96	354	23:28:02.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5538.10 +/-	3R3	4	0	3,747,848	35:3
3313	96	354	23:28:17.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5534.55 +/-	3R3	4	0	3,747,848	58:0
3314	96	354	23:28:37.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5529.87 +/-	3R3	4	0	3,747,848	88:0
3315	96	354	23:28:50.000	117GY105A106C4S	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,849	16:0
3316	96	354	23:29:00.666	117GY105A106C4T	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,849	32:0
3317	96	354	23:30:12.666	117GY105A106C4U	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,850	49:0
3318	96	354	23:30:23.333	117GY105A106C4V	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,850	65:0
3319	96	354	23:31:35.333	117GY105A106C4W	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,851	82:0
3320	96	354	23:31:46.000	117GY105A106C4X	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,852	07:0
3321	96	354	23:32:58.000	117GY105A106C4Y	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,853	24:0
3322	96	354	23:33:08.666	117GY105A106C4Z	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,853	40:0
3323	96	354	23:34:20.666	117GY105A106C4AA	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,854	57:0
3324	96	354	23:34:31.333	117GY105A106C4AB	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,854	73:0
3325	96	354	23:35:43.333	117GY105A106C4AC	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,855	90:0
3326	96	354	23:35:54.000	117GY105A106C4AD	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,856	15:0
3327	96	354	23:37:06.000	117GY105A106C4AE	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,857	32:0
3328	96	354	23:37:16.666	117GY105A106C4AF	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,857	48:0
3329	96	354	23:38:28.666	117GY105A106C4AG	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,858	65:0
3330	96	354	23:38:39.333	117GY105A106C4AH	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,858	81:0
3331	96	354	23:39:51.333	117GY105A106C4AI	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,860	07:0
3332	96	354	23:40:02.000	117GY105A106C4AJ	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,860	23:0
3333	96	354	23:41:03.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5531.20 +/-	3R3	4	0	3,747,861	24:1
3334	96	354	23:41:04.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5531.08 +/-	3R3	4	0	3,747,861	26:3
3335	96	354	23:41:14.000	117GY105A106C4AK	7STRP	-0.0015,-0.0071,	Slew =12.01	3R3	4	0	3,747,861	40:0
3336	96	354	23:41:19.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5527.69 +/-	3R3	4	0	3,747,861	48:0
3337	96	354	23:41:24.666	117GY105A106C4AL	7STRP	0.0,0.0071,0,0,0	Slew =,0.16	3R3	4	0	3,747,861	56:0
3338	96	354	23:41:39.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5523.00 +/-	3R3	4	0	3,747,861	78:0
3339	96	354	23:42:36.666	117GY11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,747,862	73:0
3340	96	354	23:46:04.666	176GY6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,747,866	21:0
3341	96	354	23:46:14.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5524.34 +/-	3R3	4	0	3,747,866	36:1
3342	96	354	23:46:16.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5524.22 +/-	3R3	4	0	3,747,866	38:3
3343	96	354	23:46:16.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5524.11 +/-	3R3	4	0	3,747,866	39:0
3344	96	354	23:46:28.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5521.45 +/-	3R3	4	0	3,747,866	56:0
3345	96	354	23:59:58.666	165CO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,747,879	89:0
3346	96	354	23:59:59.333	165CO4B	7SCAN	NORM,345.028999,	Check S/P Position	3R3	4	0	3,747,879	90:0
3347	96	355	00:23:22.000	488W6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	3R3	4	0	3,747,903	10:0
3348	96	355	00:40:26.666	192HC4A	**7CONE**	**17.45,0.0**	Check S/P Position	3R3	4	0	3,747,920	00:0
3349	96	355	00:45:13.333	176HC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	3,747,924	66:0
3350	96	355	00:46:40.000	176HC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,747,926	14:0
3351	96	355	00:46:50.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5522.79 +/-	3R3	4	0	3,747,926	29:1
3352	96	355	00:46:51.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5522.67 +/-	3R3	4	0	3,747,926	31:3
3353	96	355	00:46:52.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5522.56 +/-	3R3	4	0	3,747,926	32:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3354	96	355	00:47:00.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5520.69 +/-	3R3	4	0	3,747,926	44:0
3355	96	355	01:00:00.000	488X6A	6TMSED	NORM,BL5	Sci, Eng, and D/L Chan	3R3	4	0	3,747,939	31:0
3356	96	355	01:10:45.333	165GZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,747,949	89:0
3357	96	355	01:10:46.000	165GZ4B	7SCAN	NORM,5.943,3.207	Check S/P Position	3R3	4	0	3,747,949	90:0
3358	96	355	01:14:40.000	117GZ	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,747,953	77:0
3359	96	355	01:14:49.333	117GZ105A106A4A	7STRP	0.0,0.003,0,0,0,	Slew =,0.17	3R3	4	0	3,747,954	00:0
3360	96	355	01:14:49.333	176GZ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	3,747,954	00:0
3361	96	355	01:15:11.333	117GZ11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,747,954	33:0
3362	96	355	01:15:22.666	176GZ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,747,954	50:0
3363	96	355	01:15:32.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5522.02 +/-	3R3	4	0	3,747,954	65:1
3364	96	355	01:15:34.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5521.90 +/-	3R3	4	0	3,747,954	67:3
3365	96	355	01:15:34.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5521.79 +/-	3R3	4	0	3,747,954	68:0
3366	96	355	01:15:42.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5520.07 +/-	3R3	4	0	3,747,954	79:0
3367	**96**	**355**	**02:01:24.066**	**E4INVOLCAN03-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
3368	96	355	02:02:19.333	165FB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,748,000	89:0
3369	96	355	02:02:20.000	165FB4B	7SCAN	NORM,59.18,22.53	Check S/P Position	3R3	4	0	3,748,000	90:0
3370	96	355	02:04:17.333	125FB11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,748,002	84:0
3371	96	355	02:04:17.333	125FB	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,748,002	84:0
3372	**96**	**355**	**02:04:17.333**	**125FB4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,748,002**	**84:0**
3373	96	355	02:04:36.666	488X6B	6TMSED	FILL,BL5	Sci, Eng, and D/L Chan	4R3	4	0	3,748,003	22:0
3374	96	355	02:05:18.000	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,748,003	84:0
3375	**96**	**355**	**02:05:18.000**	**127FB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,748,003**	**84:0**
3376	**96**	**355**	**02:05:18.666**	**127FB4B**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,748,003**	**85:0**
3377	96	355	02:05:26.666	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,748,004	06:0
3378	96	355	02:06:10.666	175FB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,748,004	72:0
3379	96	355	02:06:14.000	117FB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,748,004	77:0
3380	96	355	02:06:18.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5521.41 +/-	4R3	4	0	3,748,004	84:1
3381	96	355	02:06:20.000	175FB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,748,004	86:0
3382	96	355	02:06:20.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5521.29 +/-	4R3	4	0	3,748,004	86:3
3383	96	355	02:06:20.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5521.29 +/-	4R3	4	0	3,748,004	86:3
3384	96	355	02:06:23.333	117FB105A106A4A	7STRP	0.00051,0.0,0,0,	Slew =,0.02	4R3	4	0	3,748,005	00:0
3385	96	355	02:06:50.666	117FB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,748,005	41:0
3386	96	355	02:07:02.000	175FB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,748,005	58:0
3387	96	355	02:07:02.000	175FB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,748,005	58:0
3388	96	355	02:07:02.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5511.49 +/-	4R3	4	0	3,748,005	58:0
3389	**96**	**355**	**02:07:28.066**	**E4INVOLCAN03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3390	**96**	**355**	**02:08:28.732**	**E4INVOLCAN04-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3391	96	355	02:09:24.000	165FC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,748,007	89:0
3392	96	355	02:09:24.666	165FC4B	7SCAN	NORM,59.617,22.6	Check S/P Position	4R3	4	0	3,748,007	90:0
3393	96	355	02:12:22.666	127FC	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,748,010	84:0
3394	**96**	**355**	**02:12:22.666**	**127FC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,748,010**	**84:0**
3395	**96**	**355**	**02:12:23.333**	**127FC4B**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,748,010**	**85:0**
3396	96	355	02:12:31.333	127FC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,748,011	06:0
3397	96	355	02:13:15.333	175FC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,748,011	72:0
3398	96	355	02:13:18.666	117FC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,748,011	77:0
3399	96	355	02:13:23.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5512.83 +/-	4R3	4	0	3,748,011	84:1
3400	96	355	02:13:24.666	175FC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,748,011	86:0
3401	96	355	02:13:24.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5512.71 +/-	4R3	4	0	3,748,011	86:3
3402	96	355	02:13:24.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5512.71 +/-	4R3	4	0	3,748,011	86:3
3403	96	355	02:13:28.000	117FC105A106A4A	7STRP	0.0002,0.0,0,0,0	Slew =,0.01	4R3	4	0	3,748,012	00:0
3404	96	355	02:13:49.333	117FC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,748,012	32:0
3405	96	355	02:14:00.666		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5504.32 +/-	4R3	4	0	3,748,012	49:0
3406	96	355	02:14:00.666	175FC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,748,012	49:0
3407	96	355	02:14:00.666	175FC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,748,012	49:0
3408	**96**	**355**	**02:14:07.399**	**E4INVOLCAN04-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3409	96	355	02:22:48.666	488X6C	6TMSED	NORM,BL5	Sci, Eng, and D/L Chan	4R3	4	0	3,748,021:22:0	
3410	**96**	**355**	**02:34:46.066**	**E4INTHRMAL02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3411	96	355	02:35:41.333	165FE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,748,033:89:0	
3412	96	355	02:35:42.000	165FE4B	7SCAN	NORM,61.373,22.9	Check S/P Position	4R3	4	0	3,748,033:90:0	
3413	**96**	**355**	**02:38:40.000**	**127FE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,748,036:84:0**	
3414	96	355	02:38:40.000	127FE	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,748,036:84:0	
3415	**96**	**355**	**02:38:40.666**	**127FE4B**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,748,036:85:0**	
3416	96	355	02:38:48.666	127FE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,748,037:06:0	
3417	96	355	02:39:32.666	175FE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,748,037:72:0	
3418	96	355	02:39:36.000	117FE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,748,037:77:0	
3419	96	355	02:39:40.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5505.65 +/-	4R3	4	0	3,748,037:84:1	
3420	96	355	02:39:42.000	175FE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,748,037:86:0	
3421	96	355	02:39:42.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5505.53 +/-	4R3	4	0	3,748,037:86:3	
3422	96	355	02:39:42.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5505.53 +/-	4R3	4	0	3,748,037:86:3	
3423	96	355	02:39:45.333	117FE105A106A4A	7STRP	0.0007,0.0,0,0,0	Slew =,0.01	4R3	4	0	3,748,038:00:0	
3424	96	355	02:40:56.666	117FE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,748,039:16:0	
3425	96	355	02:41:08.000	175FE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,748,039:33:0	
3426	96	355	02:41:08.000	175FE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,748,039:33:0	
3427	96	355	02:41:08.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5485.42 +/-	4R3	4	0	3,748,039:33:0	
3428	**96**	**355**	**02:41:16.732**	**E4INTHRMAL02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3429	96	355	03:32:00.000	41VB99A	**POWER**	PWR MODE change	Change to Maneuver Mode	4R3	4	0	3,748,089:61:0	
3430	**96**	**355**	**03:32:04.000**	**41VB3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,748,089:67:0**	
3431	**96**	**355**	**03:32:14.000**	**41VB3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,748,089:82:0**	
3432	**96**	**355**	**03:34:24.000**	**41VB3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,748,092:04:0**	
3433	**96**	**355**	**03:34:34.000**	**41VB3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,748,092:19:0**	
3434	**96**	**355**	**03:34:44.000**	**41VB3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,748,092:34:0**	
3435	**96**	**355**	**03:34:54.000**	**41VB3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,748,092:49:0**	
3436	**96**	**355**	**03:35:20.666**	**432B6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4R3**	**4**	**0**	**3,748,092:89:0**	
3437	96	355	03:36:27.333	488X6D	6TMSED	FILL,BL5	Sci, Eng, and D/L Chan	4R3	4	0	3,748,094:07:0	
3438	96	355	03:47:02.000	490UA412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4R3	4	0	3,748,104:49:0	
3439	96	355	03:52:00.000	490UA412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R3	4	0	3,748,109:41:0	
3440	96	355	03:54:34.000	488X6E	6TMSED	FILL,BL2	Sci, Eng, and D/L Chan	4R3	4	0	3,748,111:90:0	
3441	96	355	03:56:10.000	490UA412A4E	7VECT	MVR	Inert vect update UTC	4R3	4	0	3,748,113:52:0	
3442	96	355	03:56:14.000	490UA412A4F	7TURN	1,MVR	ALERT Thruster	4R3	4	0	3,748,113:58:0	
3443	**96**	**355**	**03:59:42.000**	**E4JNSCITRN01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3444	96	355	04:00:02.000	490UA412A406A4A	7STAR	71,701,278.81	Star catalog update	4R3	4	0	3,748,117:36:0	
3445	96	355	04:00:04.000	490UA412A406A4B	7STAR	8,350,120.46	Star catalog update	4R3	4	0	3,748,117:39:0	
3446	96	355	04:00:06.000	490UA412A406A4C	7STAR	9,875,114.162,5.	Star catalog update	4R3	4	0	3,748,117:42:0	
3447	96	355	04:00:08.000	490UA412A406A4D	7STAR	10,159,27.239,89	Star catalog update	4R3	4	0	3,748,117:45:0	
3448	96	355	04:00:10.000	490UA412A406A4E	7STAR	11,0,0.0,0.0	Star catalog update	4R3	4	0	3,748,117:48:0	
3449	96	355	04:00:12.000	490UA412A406A4F	7STAR	12,0,0.0,0.0	Star catalog update	4R3	4	0	3,748,117:51:0	
3450	**96**	**355**	**04:17:49.933**	**432C6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4R3**	**4**	**0**	**3,748,135:00:0**	
3451	**96**	**355**	**05:13:25.266**	**432D6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4R3**	**4**	**0**	**3,748,189:89:0**	
3452	**96**	**355**	**05:44:47.266**	**432SC6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4R3**	**4**	**0**	**3,748,221:00:0**	
3453	96	355	05:50:03.933	20UB4A	7STAT	17.45,105.514058	Stator inertial point	4R3	4	0	3,748,226:20:0	
3454	96	355	06:04:59.933	41WB99A	**POWER**	PWR MODE change	Change to Data Taking Mode	4R3	4	0	3,748,240:90:0	
3455	**96**	**355**	**06:05:03.933**	**41WB3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,748,241:05:0**	
3456	**96**	**355**	**06:05:13.933**	**41WB3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,748,241:20:0**	
3457	**96**	**355**	**06:05:23.933**	**41WB3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,748,241:35:0**	
3458	**96**	**355**	**06:05:33.933**	**41WB3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,748,241:50:0**	
3459	**96**	**355**	**06:05:43.933**	**41WB3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,748,241:65:0**	
3460	**96**	**355**	**06:05:53.933**	**41WB3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,748,241:80:0**	
3461	96	355	06:14:59.266	432OD431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	3,748,250:79:0	
3462	96	355	06:14:59.933	432OD6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,748,250:80:0	
3463	96	355	06:16:06.600	165HA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,748,251:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3464	96	355	06:16:07.266	165HA4B	7SCAN	NORM,22.235,10.4	Check S/P Position	4R3	4	0	3,748,251:90:0	
3465	96	355	06:20:01.266	117HA	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,748,255:77:0	
3466	96	355	06:20:10.600	176HA6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,748,256:00:0	
3467	96	355	06:20:10.600	117HA105A106A4A	7STRP	0.0,0.00275,0,0,	Slew =,0.45	4R3	4	0	3,748,256:00:0	
3468	96	355	06:20:32.600	117HA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,748,256:33:0	
3469	96	355	06:20:43.933	176HA6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,748,256:50:0	
3470	96	355	06:20:54.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5486.76 +/-	4R3	4	0	3,748,256:65:1	
3471	96	355	06:20:55.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5486.64 +/-	4R3	4	0	3,748,256:67:3	
3472	96	355	06:20:55.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5486.53 +/-	4R3	4	0	3,748,256:68:0	
3473	96	355	06:21:03.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5484.81 +/-	4R3	4	0	3,748,256:79:0	
3474	**96**	**355**	**06:29:20.666**	**E4NNRELOAD08-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3475	96	355	06:30:15.933	165JC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,748,265:89:0	
3476	96	355	06:30:16.600	165JC4B	7SCAN	NORM,82.485999,2	Check S/P Position	4R3	4	0	3,748,265:90:0	
3477	**96**	**355**	**06:31:21.933**	**20EI6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**4R3**	**4**	**0**	**3,748,267:06:0**	
3478	**96**	**355**	**06:32:22.600**	**20EI5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**3,748,268:06:0**	
3479	**96**	**355**	**06:33:23.266**	**20EI5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**3,748,269:06:0**	
3480	96	355	06:34:14.600	175IZ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,748,269:83:0	
3481	96	355	06:34:22.666		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5486.14 +/-	4R3	4	0	3,748,270:04:1	
3482	**96**	**355**	**06:34:23.933**	**20EI6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**3,748,270:06:0**	
3483	96	355	06:34:26.600	175IZ176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,748,270:10:0	
3484	96	355	06:34:26.666		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5479.87 +/-	4R3	4	0	3,748,270:10:1	
3485	96	355	06:34:26.666		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5479.87 +/-	4R3	4	0	3,748,270:10:1	
3486	**96**	**355**	**06:35:24.600**	**20EI6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**3,748,271:06:0**	
3487	96	355	06:35:43.933		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *5208.23 +/-	4R3	4	0	3,748,271:35:0	
3488	96	355	06:35:43.933	175IZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,748,271:35:0	
3489	**96**	**355**	**06:36:25.266**	**20EI5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,748,272:06:0**	
3490	**96**	**355**	**06:37:25.933**	**20EI5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,748,273:06:0**	
3491	**96**	**355**	**06:38:26.600**	**20EI4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,748,274:06:0**	
3492	**96**	**355**	**06:39:27.266**	**20EI4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,748,275:06:0**	
3493	**96**	**355**	**06:45:31.333**	**E4NNRELOAD08-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3494	96	355	06:46:26.600	165JD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,748,281:89:0	
3495	96	355	06:46:27.266	165JD4B	7SCAN	NORM,81.186,27.3	Check S/P Position	2R3	4	0	3,748,281:90:0	
3496	96	355	06:48:23.933	175JA422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,748,283:83:0	
3497	96	355	06:48:32.000		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5208.71 +/-	2R3	4	0	3,748,284:04:1	
3498	96	355	06:48:35.933	175JA176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	3,748,284:10:0	
3499	96	355	06:48:36.000		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5202.44 +/-	2R3	4	0	3,748,284:10:1	
3500	96	355	06:48:36.000		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5202.44 +/-	2R3	4	0	3,748,284:10:1	
3501	**96**	**355**	**06:49:34.066**	**E4JNFEA14801-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3502	96	355	06:49:53.933	175JA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,748,285:36:0	
3503	96	355	06:49:53.933		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4928.46 +/-	2R3	4	0	3,748,285:36:0	
3504	96	355	06:50:29.266	165FG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,748,285:89:0	
3505	96	355	06:50:29.933	165FG4B	7SCAN	NORM,83.120999,2	Check S/P Position	2R3	4	0	3,748,285:90:0	
3506	**96**	**355**	**06:52:27.266**	**125FG4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,748,287:84:0**	
3507	96	355	06:52:27.266	125FG11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,748,287:84:0	
3508	96	355	06:52:27.266	125FG	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,748,287:84:0	
3509	**96**	**355**	**06:53:27.933**	**127FG4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,748,288:84:0**	
3510	96	355	06:53:27.933	127FG	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,748,288:84:0	
3511	**96**	**355**	**06:53:28.600**	**127FG4B**	**37ETB**	**,00,05,FF,F8,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,748,288:85:0**	
3512	96	355	06:53:36.600	127FG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,748,289:06:0	
3513	96	355	06:54:20.600	175FG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,748,289:72:0	
3514	96	355	06:54:23.933	117FG	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,748,289:77:0	
3515	96	355	06:54:28.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4928.94 +/-	2R5	4	1	3,748,289:84:1	
3516	96	355	06:54:29.933	175FG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,748,289:86:0	
3517	96	355	06:54:30.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4928.82 +/-	2R5	4	1	3,748,289:86:3	
3518	96	355	06:54:30.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4928.82 +/-	2R5	4	1	3,748,289:86:3	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3519	**96**	**355**	**06:54:32.894**	**E4JNFEA14801-**	**NIMPBK**	**301EU**	**JUPITER CAMP. FEAT. 148 DEG. PHA**	**2R5**	**4**	**1**	**: :**
3520	96	355	06:54:33.266	117FG105A106A4A	7STRP	0.012501,0.0,0,0	Slew =,0.11	2R5	4	1	3,748,290:00:0
3521	96	355	06:56:27.933	117FG105A106A4B	7STRP	-0.012501,0.008,	Slew =12.01	2R5	4	1	3,748,291:81:0
3522	96	355	06:56:41.266	117FG105A106A4C	7STRP	0.012501,0.0,0,0	Slew =,0.11	2R5	4	1	3,748,292:10:0
3523	**96**	**355**	**06:58:35.560**	**E4JNFEA14801-**	**DESELC**	**300EU**	**JUPITER CAMP. FEAT. 148 DEG. PHA**	**2R5**	**4**	**1**	**: :**
3524	96	355	06:58:35.933	117FG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,748,294:00:0
3525	96	355	06:58:47.266	175FG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,748,294:17:0
3526	96	355	06:58:47.266	175FG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,748,294:17:0
3527	96	355	06:58:47.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4868.55 +/-	2R5	4	1	3,748,294:17:0
3528	**96**	**355**	**06:58:53.399**	**E4JNFEA14801-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
3529	**96**	**355**	**07:01:42.066**	**E4JNFEA14802-**		**-----START------**		**2R5**	**4**	**1**	**: :**
3530	96	355	07:02:37.266	165FH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,748,297:89:0
3531	96	355	07:02:37.933	165FH4B	7SCAN	NORM,83.377,25.6	Check S/P Position	2R5	4	1	3,748,297:90:0
3532	**96**	**355**	**07:03:34.600**	**127FH4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,748,298:84:0**
3533	96	355	07:03:34.600	127FH	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,748,298:84:0
3534	**96**	**355**	**07:03:35.266**	**127FH4B**	**37ETB**	**,00,05,FF,F8,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,748,298:85:0**
3535	96	355	07:03:43.266	127FH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,748,299:06:0
3536	96	355	07:04:27.266	175FH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,748,299:72:0
3537	96	355	07:04:30.600	117FH	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,748,299:77:0
3538	96	355	07:04:35.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4869.89 +/-	2R5	4	1	3,748,299:84:1
3539	96	355	07:04:36.600	175FH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,748,299:86:0
3540	96	355	07:04:36.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4869.77 +/-	2R5	4	1	3,748,299:86:3
3541	96	355	07:04:36.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4869.77 +/-	2R5	4	1	3,748,299:86:3
3542	**96**	**355**	**07:04:39.560**	**E4JNFEA14802-**	**NIMPBK**	**301FM**	**JUPITER CAMP. FEAT. 148 DEG. PHA**	**2R5**	**4**	**1**	**: :**
3543	96	355	07:04:39.933	117FH105A106A4A	7STRP	0.012501,0.0,0,0	Slew =,0.11	2R5	4	1	3,748,300:00:0
3544	96	355	07:06:35.266	117FH105A106A4B	7STRP	-0.012501,0.008,	Slew =12.01	2R5	4	1	3,748,301:82:0
3545	96	355	07:06:47.266	117FH105A106A4C	7STRP	0.012501,0.0,0,0	Slew =,0.11	2R5	4	1	3,748,302:09:0
3546	**96**	**355**	**07:08:41.266**	**432SD6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**2R5**	**4**	**1**	**3,748,303:89:0**
3547	**96**	**355**	**07:08:42.227**	**E4JNFEA14802-**	**DESELC**	**300FM**	**JUPITER CAMP. FEAT. 148 DEG. PHA**	**2R5**	**4**	**1**	**: :**
3548	96	355	07:08:42.600	117FH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,748,304:00:0
3549	96	355	07:08:53.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4809.50 +/-	2R5	4	1	3,748,304:17:0
3550	96	355	07:08:53.933	175FH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,748,304:17:0
3551	96	355	07:08:53.933	175FH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,748,304:17:0
3552	**96**	**355**	**07:09:00.066**	**E4JNFEA14802-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
3553	96	355	07:10:42.600	165AU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,748,305:89:0
3554	96	355	07:10:43.266	165AU4B	7SCAN	NORM,84.23,27.8,	Check S/P Position	2R5	4	1	3,748,305:90:0
3555	**96**	**355**	**07:21:55.399**	**E4JNFEA14803-**		**-----START------**		**2R5**	**4**	**1**	**: :**
3556	96	355	07:22:50.600	165FI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,748,317:89:0
3557	96	355	07:22:51.266	165FI4B	7SCAN	NORM,83.851999,2	Check S/P Position	2R5	4	1	3,748,317:90:0
3558	96	355	07:23:47.933	127FI	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,748,318:84:0
3559	**96**	**355**	**07:23:47.933**	**127FI4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,748,318:84:0**
3560	**96**	**355**	**07:23:48.600**	**127FI4B**	**37ETB**	**,00,05,FF,F8,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,748,318:85:0**
3561	96	355	07:23:56.600	127FI11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,748,319:06:0
3562	96	355	07:24:40.600	175FI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,748,319:72:0
3563	96	355	07:24:43.933	117FI	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,748,319:77:0
3564	96	355	07:24:48.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4810.84 +/-	2R5	4	1	3,748,319:84:1
3565	96	355	07:24:49.933	175FI176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,748,319:86:0
3566	96	355	07:24:50.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4810.72 +/-	2R5	4	1	3,748,319:86:3
3567	96	355	07:24:50.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4810.72 +/-	2R5	4	1	3,748,319:86:3
3568	**96**	**355**	**07:24:52.893**	**E4JNFEA14803-**	**NIMPBK**	**301FH**	**JUPITER CAMP. FEAT. 148 DEG. PHA**	**2R5**	**4**	**1**	**: :**
3569	96	355	07:24:53.266	117FI105A106A4A	7STRP	0.012501,0.0,0,0	Slew =,0.11	2R5	4	1	3,748,320:00:0
3570	96	355	07:26:48.600	117FI105A106A4B	7STRP	-0.012501,0.008,	Slew =12.01	2R5	4	1	3,748,321:82:0
3571	96	355	07:27:00.600	117FI105A106A4C	7STRP	0.012501,0.0,0,0	Slew =,0.11	2R5	4	1	3,748,322:09:0
3572	**96**	**355**	**07:28:55.559**	**E4JNFEA14803-**	**DESELC**	**300FH**	**JUPITER CAMP. FEAT. 148 DEG. PHA**	**2R5**	**4**	**1**	**: :**
3573	96	355	07:28:55.933	117FI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,748,324:00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3574	96	355	07:29:07.266	175FI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,748,324:17:0	
3575	96	355	07:29:07.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4750.45 +/-	2R5	4	1	3,748,324:17:0	
3576	96	355	07:29:07.266	175FI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,748,324:17:0	
3577	**96**	**355**	**07:29:13.399**	**E4JNFEA14803-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3578	96	355	07:59:15.933	411JF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,748,354:00:0	
3579	**96**	**355**	**07:59:20.000**	**E4NNHEALTH04-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3580	96	355	07:59:24.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4751.79 +/-	2R5	4	1	3,748,354:12:1	
3581	96	355	07:59:25.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4751.67 +/-	2R5	4	1	3,748,354:14:3	
3582	96	355	07:59:25.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4751.67 +/-	2R5	4	1	3,748,354:14:3	
3583	96	355	07:59:25.933	411JF6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R5	4	1	3,748,354:15:0	
3584	96	355	08:00:11.933	125FW11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	3,748,354:84:0	
3585	96	355	08:00:11.933	125FW	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,748,354:84:0	
3586	**96**	**355**	**08:00:11.933**	**125FW4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R5**	**4**	**1**	**3,748,354:84:0**	
3587	96	355	08:01:12.600	127FW	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,748,355:84:0	
3588	**96**	**355**	**08:01:12.600**	**127FW4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,748,355:84:0**	
3589	**96**	**355**	**08:01:13.266**	**127FW4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,748,355:85:0**	
3590	96	355	08:01:21.266	127FW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,748,356:06:0	
3591	96	355	08:01:27.266	411JF6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,748,356:15:0	
3592	96	355	08:01:29.933	175TI176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,748,356:19:0	
3593	96	355	08:01:30.600	175TI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,748,356:20:0	
3594	96	355	08:01:37.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4720.78 +/-	2R3	4	0	3,748,356:30:0	
3595	96	355	08:01:37.266	175TI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,748,356:30:0	
3596	**96**	**355**	**08:01:37.266**	**432EE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,748,356:30:0**	
3597	**96**	**355**	**08:02:36.600**	**432EF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,748,357:28:0**	
3598	**96**	**355**	**08:03:22.666**	**E4NNHEALTH04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3599	**96**	**355**	**08:44:50.066**	**E4JNFEA53M01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3600	96	355	08:45:45.266	165FJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,748,399:89:0	
3601	96	355	08:45:45.933	165FJ4B	7SCAN	NORM,84.598,25.6	Check S/P Position	2R3	4	0	3,748,399:90:0	
3602	96	355	08:47:43.266	125FJ11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,748,401:84:0	
3603	96	355	08:47:43.266	125FJ	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,748,401:84:0	
3604	**96**	**355**	**08:47:43.266**	**125FJ4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,748,401:84:0**	
3605	**96**	**355**	**08:48:43.933**	**127FJ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,748,402:84:0**	
3606	96	355	08:48:43.933	127FJ	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,748,402:84:0	
3607	**96**	**355**	**08:48:44.600**	**127FJ4B**	**37ETB**		**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,748,402:85:0**	
3608	96	355	08:48:52.600	127FJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,748,403:06:0	
3609	96	355	08:49:36.600	175FJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,748,403:72:0	
3610	96	355	08:49:39.933	117FJ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,748,403:77:0	
3611	96	355	08:49:44.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4722.11 +/-	4R3	4	0	3,748,403:84:1	
3612	96	355	08:49:45.933	175FJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,748,403:86:0	
3613	96	355	08:49:46.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4721.99 +/-	4R3	4	0	3,748,403:86:3	
3614	96	355	08:49:46.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4721.99 +/-	4R3	4	0	3,748,403:86:3	
3615	96	355	08:49:49.266	117FJ105A106A4A	7STRP	0.043127,0.0,0,0	Slew =,0.03	4R3	4	0	3,748,404:00:0	
3616	**96**	**355**	**08:55:30.223**	**E4JNFEA53M01-**	**NIMPBK**	**301DA**	**JUPITER CAMPAIGN FEATURE 5 & 3 U**	**4R3**	**4**	**0**	**: :**	
3617	**96**	**355**	**08:56:21.556**	**E4JNFEA53M01-**	**NIMPBK**	**301EC**	**JUPITER CAMPAIGN FEATURE 5 & 3 U**	**4R3**	**4**	**0**	**: :**	
3618	**96**	**355**	**08:56:30.890**	**E4JNFEA53M01-**	**DESELC**	**300DA**	**JUPITER CAMPAIGN FEATURE 5 & 3 U**	**4R3**	**4**	**0**	**: :**	
3619	**96**	**355**	**09:06:28.223**	**E4JNFEA53M01-**	**DESELC**	**300EC**	**JUPITER CAMPAIGN FEATURE 5 & 3 U**	**4R3**	**4**	**0**	**: :**	
3620	96	355	09:13:49.266	117FJ105A106A4B	7STRP	-0.037718,-0.001	Slew =12.01	4R3	4	0	3,748,427:67:0	
3621	96	355	09:13:56.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4382.04 +/-	4R3	4	0	3,748,427:78:0	
3622	96	355	09:13:56.600	175FJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,748,427:78:0	
3623	96	355	09:13:56.600	175FJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,748,427:78:0	
3624	96	355	09:15:50.600	117FJ105A106A4C	7STRP	0.043127,0.0,0,0	Slew =,0.03	4R3	4	0	3,748,429:67:0	
3625	96	355	09:19:41.933	175ET422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,748,433:50:0	
3626	96	355	09:19:50.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4383.37 +/-	4R3	4	0	3,748,433:62:1	
3627	96	355	09:19:51.266	175ET176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,748,433:64:0	
3628	96	355	09:19:51.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4383.26 +/-	4R3	4	0	3,748,433:64:3	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3629	96	355	09:19:51.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4383.26 +/-	4R3	4	0	3,748,433:64:3
3630	96	355	09:20:29.266	175ET422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,748,434:30:0
3631	96	355	09:20:29.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4374.40 +/-	4R3	4	0	3,748,434:30:0
3632	96	355	09:20:29.266	175ET6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,748,434:30:0
3633	96	355	09:39:50.600	117FJ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,748,453:43:0
3634	**96**	**355**	**09:40:26.733**	**E4JNFEA53M01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
3635	**96**	**355**	**09:59:35.266**	**432E6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4R3**	**4**	**0**	**3,748,473:00:0**
3636	**96**	**355**	**10:08:45.333**	**E4NNRELOAD09-**		**-----START------**		**4R3**	**4**	**0**	**: :**
3637	**96**	**355**	**10:10:46.600**	**20EZ5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**3,748,484:06:0**
3638	**96**	**355**	**10:11:47.266**	**20EZ5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**3,748,485:06:0**
3639	**96**	**355**	**10:12:47.933**	**20EZ6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**3,748,486:06:0**
3640	**96**	**355**	**10:13:48.600**	**20EZ6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**3,748,487:06:0**
3641	**96**	**355**	**10:14:49.266**	**20EZ5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,748,488:06:0**
3642	**96**	**355**	**10:15:49.933**	**20EZ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,748,489:06:0**
3643	**96**	**355**	**10:16:50.600**	**20EZ4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,748,490:06:0**
3644	96	355	10:17:45.933	165JE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,748,490:89:0
3645	96	355	10:17:46.600	165JE4B	7SCAN	NORM,89.075999,2	Check S/P Position	2R0	4	0	3,748,490:90:0
3646	**96**	**355**	**10:17:51.266**	**20EZ4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,748,491:06:0**
3647	96	355	10:21:53.933	118JE	**SMOS**	GS		2R3	4	0	3,748,495:06:0
3648	96	355	10:22:06.600	118JE110A111A4A	7STRP	0.00325,-0.0006,	Slew =,3.01	2R3	4	0	3,748,495:25:0
3649	96	355	10:22:11.266	175JB422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,748,495:32:0
3650	96	355	10:22:19.333		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4375.73 +/-	2R3	4	0	3,748,495:44:1
3651	96	355	10:22:23.266	175JB176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,748,495:50:0
3652	96	355	10:22:23.333		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4369.46 +/-	2R3	4	0	3,748,495:50:1
3653	96	355	10:22:23.333		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4369.46 +/-	2R3	4	0	3,748,495:50:1
3654	96	355	10:22:37.266	118JE11A	**SMOS**	GE		2R3	4	0	3,748,495:71:0
3655	**96**	**355**	**10:22:45.933**	**33A4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,748,495:84:0**
3656	96	355	10:22:49.266	165JF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,748,495:89:0
3657	96	355	10:22:49.933	165JF4B	7SCAN	NORM,89.342999,2	Check S/P Position	4R3	4	0	3,748,495:90:0
3658	96	355	10:22:50.600	175JB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,748,496:00:0
3659	96	355	10:22:50.600		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4273.60 +/-	4R3	4	0	3,748,496:00:0
3660	**96**	**355**	**10:24:56.000**	**E4NNRELOAD09-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
3661	96	355	10:26:57.266	118JF	**SMOS**	GS		4R3	4	0	3,748,500:06:0
3662	96	355	10:27:09.933	118JF110A111A4A	7STRP	0.00325,-0.0006,	Slew =,3.01	4R3	4	0	3,748,500:25:0
3663	96	355	10:27:14.600	175JF422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,748,500:32:0
3664	96	355	10:27:22.666		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4274.08 +/-	4R3	4	0	3,748,500:44:1
3665	96	355	10:27:26.600	175JF176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,748,500:50:0
3666	96	355	10:27:26.666		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4267.81 +/-	4R3	4	0	3,748,500:50:1
3667	96	355	10:27:26.666		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4267.81 +/-	4R3	4	0	3,748,500:50:1
3668	96	355	10:27:40.600	118JF11A	**SMOS**	GE		4R3	4	0	3,748,500:71:0
3669	**96**	**355**	**10:27:52.600**	**432F6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4R3**	**4**	**0**	**3,748,500:89:0**
3670	96	355	10:27:54.600	175JF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,748,501:01:0
3671	96	355	10:27:54.600		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4169.61 +/-	4R3	4	0	3,748,501:01:0
3672	**96**	**355**	**10:32:00.733**	**E4JNFEA5UM01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
3673	96	355	10:32:55.933	165FK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,748,505:89:0
3674	96	355	10:32:56.600	165FK4B	7SCAN	NORM,84.245999,2	Check S/P Position	4R3	4	0	3,748,505:90:0
3675	**96**	**355**	**10:33:53.266**	**127FK4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,748,506:84:0**
3676	96	355	10:33:53.266	127FK	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,748,506:84:0
3677	**96**	**355**	**10:33:53.933**	**127FK4B**	**37ETB**	**,CD,02,03,FF,1A,**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,748,506:85:0**
3678	96	355	10:34:01.933	127FK11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,748,507:06:0
3679	96	355	10:34:45.933	175FK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,748,507:72:0
3680	96	355	10:34:49.266	117FK	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,748,507:77:0
3681	96	355	10:34:54.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4170.09 +/-	4R3	4	0	3,748,507:84:1
3682	96	355	10:34:55.266	175FK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,748,507:86:0
3683	96	355	10:34:55.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4169.97 +/-	4R3	4	0	3,748,507:86:3

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3684	96	355	10:34:55.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4169.97 +/-	4R3	4	0	3,748,507:86:3
3685	96	355	10:34:58.600	117FK105A106A4A	7STRP	0.043527,0.0,0,0	Slew =,0.03	4R3	4	0	3,748,508:00:0
3686	96	355	10:59:14.600	117FK105A106A4B	7STRP	-0.050042,0.008,	Slew =12.01	4R3	4	0	3,748,532:00:0
3687	96	355	10:59:27.933	117FK105A106A4C	7STRP	0.043527,0.0,0,0	Slew =,0.03	4R3	4	0	3,748,532:20:0
3688	**96**	**355**	**10:59:36.218**	**E4JNFEA5UM01-**	**NIMPBK**	**301FA**	**JUPITER CAMPAIGN FEAT. 5 MICRON**	**4R3**	**4**	**0**	**: :**
3689	**96**	**355**	**11:01:51.551**	**E4JNFEA5UM01-**	**NIMPBK**	**301DB**	**JUPITER CAMPAIGN FEAT. 5 MICRON**	**4R3**	**4**	**0**	**: :**
3690	**96**	**355**	**11:02:00.218**	**E4JNFEA5UM01-**	**DESELC**	**300FA**	**JUPITER CAMPAIGN FEAT. 5 MICRON**	**4R3**	**4**	**0**	**: :**
3691	**96**	**355**	**11:03:44.218**	**E4JNFEA5UM01-**	**NIMPBK**	**301EG**	**JUPITER CAMPAIGN FEAT. 5 MICRON**	**4R3**	**4**	**0**	**: :**
3692	**96**	**355**	**11:03:52.885**	**E4JNFEA5UM01-**	**DESELC**	**300DB**	**JUPITER CAMPAIGN FEAT. 5 MICRON**	**4R3**	**4**	**0**	**: :**
3693	**96**	**355**	**11:07:06.218**	**E4JNFEA5UM01-**	**DESELC**	**300EG**	**JUPITER CAMPAIGN FEAT. 5 MICRON**	**4R3**	**4**	**0**	**: :**
3694	96	355	11:07:15.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3715.17 +/-	4R3	4	0	3,748,539:85:0
3695	96	355	11:07:15.933	175FK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,748,539:85:0
3696	96	355	11:07:15.933	175FK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,748,539:85:0
3697	96	355	11:23:43.933	117FK11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,748,556:20:0
3698	**96**	**355**	**11:23:48.066**	**E4JNFEA5UM01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
3699	96	355	13:14:43.933	411JD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,748,666:00:0
3700	96	355	13:14:52.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3716.50 +/-	4R3	4	0	3,748,666:12:1
3701	96	355	13:14:53.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3716.39 +/-	4R3	4	0	3,748,666:14:3
3702	96	355	13:14:53.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3716.39 +/-	4R3	4	0	3,748,666:14:3
3703	96	355	13:14:53.933	411JD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	3,748,666:15:0
3704	96	355	13:16:55.266	411JD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,748,668:15:0
3705	96	355	13:16:57.933	175TJ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	3,748,668:19:0
3706	96	355	13:16:58.600	175TJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,748,668:20:0
3707	96	355	13:17:05.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3685.50 +/-	4R3	4	0	3,748,668:30:0
3708	96	355	13:17:05.266	175TJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,748,668:30:0
3709	**96**	**355**	**15:19:10.000**	**E4NNRELOAD10-**		**-----START------**		**4R3**	**4**	**0**	**: :**
3710	**96**	**355**	**15:21:11.266**	**20EY5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**3,748,791:06:0**
3711	**96**	**355**	**15:22:11.933**	**20EY5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**3,748,792:06:0**
3712	**96**	**355**	**15:23:12.600**	**20EY6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**3,748,793:06:0**
3713	**96**	**355**	**15:24:13.266**	**20EY6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**3,748,794:06:0**
3714	**96**	**355**	**15:25:13.933**	**20EY5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,748,795:06:0**
3715	**96**	**355**	**15:26:14.600**	**20EY5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,748,796:06:0**
3716	**96**	**355**	**15:27:15.266**	**20EY4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,748,797:06:0**
3717	**96**	**355**	**15:28:15.933**	**20EY4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,748,798:06:0**
3718	**96**	**355**	**15:35:20.666**	**E4NNRELOAD10-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
3719	**96**	**355**	**15:46:27.933**	**E4CNGLOBAL01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
3720	96	355	15:47:23.266	165FL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,748,816:89:0
3721	96	355	15:47:23.933	165FL4B	7SCAN	NORM,14.161,7.22	Check S/P Position	2R3	4	0	3,748,816:90:0
3722	96	355	15:49:21.266	125FL11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,748,818:84:0
3723	**96**	**355**	**15:49:21.266**	**125FL4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,748,818:84:0**
3724	96	355	15:49:21.266	125FL	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,748,818:84:0
3725	**96**	**355**	**15:50:21.933**	**127FL4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,748,819:84:0**
3726	96	355	15:50:21.933	127FL	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,748,819:84:0
3727	**96**	**355**	**15:50:22.600**	**127FL4B**	**37ETB**	**07,C7,02,00,60,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,748,819:85:0**
3728	96	355	15:50:30.600	127FL11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,748,820:06:0
3729	96	355	15:51:14.600	175FL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,748,820:72:0
3730	96	355	15:51:17.933	117FL	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,748,820:77:0
3731	96	355	15:51:22.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3686.83 +/-	4R3	4	0	3,748,820:84:1
3732	96	355	15:51:23.933	175FL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,748,820:86:0
3733	96	355	15:51:24.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3686.71 +/-	4R3	4	0	3,748,820:86:3
3734	96	355	15:51:24.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3686.71 +/-	4R3	4	0	3,748,820:86:3
3735	96	355	15:51:27.266	117FL105A106A4A	7STRP	0.0045,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,748,821:00:0
3736	96	355	15:53:59.266	117FL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,748,823:46:0
3737	96	355	15:54:10.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3647.70 +/-	4R3	4	0	3,748,823:63:0
3738	96	355	15:54:10.600	175FL422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,748,823:63:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3739	96	355	15:54:10.600	175FL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,748,823:63:0
3740	**96**	**355**	**15:54:33.267**	**E4CNGLOBAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
3741	**96**	**355**	**15:59:32.600**	**432G6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4R3**	**4**	**0**	**3,748,829:00:0**
3742	96	355	16:10:38.600	165JG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,748,839:89:0
3743	96	355	16:10:39.266	165JG4B	7SCAN	NORM,95.197,25.0	Check S/P Position	4R3	4	0	3,748,839:90:0
3744	96	355	16:14:37.266	175JC422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,748,843:83:0
3745	96	355	16:14:45.333		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *3649.03 +/-	4R3	4	0	3,748,844:04:1
3746	96	355	16:14:49.266	175JC176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,748,844:10:0
3747	96	355	16:14:49.333		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3642.76 +/-	4R3	4	0	3,748,844:10:1
3748	96	355	16:14:49.333		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 3642.76 +/-	4R3	4	0	3,748,844:10:1
3749	96	355	16:16:06.600		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3371.12 +/-	4R3	4	0	3,748,845:35:0
3750	96	355	16:16:06.600	175JC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,748,845:35:0
3751	96	355	16:26:49.266	165JH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,748,855:89:0
3752	96	355	16:26:49.933	165JH4B	7SCAN	NORM,94.271,26.8	Check S/P Position	4R3	4	0	3,748,855:90:0
3753	96	355	16:28:46.600	175JH422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,748,857:83:0
3754	96	355	16:28:54.666		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *3371.60 +/-	4R3	4	0	3,748,858:04:1
3755	96	355	16:28:58.600	175JH176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,748,858:10:0
3756	96	355	16:28:58.666		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3365.33 +/-	4R3	4	0	3,748,858:10:1
3757	96	355	16:28:58.666		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 3365.33 +/-	4R3	4	0	3,748,858:10:1
3758	96	355	16:30:16.600		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3091.34 +/-	4R3	4	0	3,748,859:36:0
3759	96	355	16:30:16.600	175JH422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,748,859:36:0
3760	**96**	**355**	**16:30:57.267**	**E4JNFEA16001-**		**-----START------**		**4R3**	**4**	**0**	**: :**
3761	96	355	16:31:52.600	165FN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,748,860:89:0
3762	96	355	16:31:53.266	165FN4B	7SCAN	NORM,95.645,25.3	Check S/P Position	4R3	4	0	3,748,860:90:0
3763	96	355	16:33:50.600	125FN	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,748,862:84:0
3764	96	355	16:33:50.600	125FN11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,748,862:84:0
3765	**96**	**355**	**16:33:50.600**	**125FN4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,748,862:84:0**
3766	**96**	**355**	**16:34:51.266**	**127FN4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,748,863:84:0**
3767	96	355	16:34:51.266	127FN	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,748,863:84:0
3768	**96**	**355**	**16:34:51.933**	**127FN4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,748,863:85:0**
3769	96	355	16:34:59.933	127FN11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,748,864:06:0
3770	96	355	16:35:43.933	175FN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,748,864:72:0
3771	96	355	16:35:47.266	117FN	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,748,864:77:0
3772	96	355	16:35:52.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3091.82 +/-	2R5	4	1	3,748,864:84:1
3773	96	355	16:35:53.266	175FN176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,748,864:86:0
3774	96	355	16:35:53.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3091.70 +/-	2R5	4	1	3,748,864:86:3
3775	96	355	16:35:53.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3091.70 +/-	2R5	4	1	3,748,864:86:3
3776	**96**	**355**	**16:35:56.206**	**E4JNFEA16001-**	**NIMPBK**	**301DN**	**JUPITER CAMP. FEAT. 160 DEG. PHA**	**2R5**	**4**	**1**	**: :**
3777	96	355	16:35:56.600	117FN105A106A4A	7STRP	0.0056,0.0,0,0,0	Slew =,0.11	2R5	4	1	3,748,865:00:0
3778	96	355	16:36:48.600	117FN105A106A4B	7STRP	-0.0055,0.008,0,	Slew =12.01	2R5	4	1	3,748,865:78:0
3779	96	355	16:36:59.266	117FN105A106A4C	7STRP	0.0056,0.0,0,0,0	Slew =,0.11	2R5	4	1	3,748,866:03:0
3780	**96**	**355**	**16:37:50.873**	**E4JNFEA16001-**	**DESELC**	**300DN**	**JUPITER CAMP. FEAT. 160 DEG. PHA**	**2R5**	**4**	**1**	**: :**
3781	96	355	16:37:51.266	117FN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,748,866:81:0
3782	96	355	16:38:02.600	175FN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,748,867:07:0
3783	96	355	16:38:02.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3061.44 +/-	2R5	4	1	3,748,867:07:0
3784	96	355	16:38:02.600	175FN6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,748,867:07:0
3785	**96**	**355**	**16:38:08.600**	**E4JNFEA16001-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
3786	**96**	**355**	**16:41:03.933**	**E4JNFEA16002-**		**-----START------**		**2R5**	**4**	**1**	**: :**
3787	96	355	16:41:59.266	165FO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,748,870:89:0
3788	96	355	16:41:59.933	165FO4B	7SCAN	NORM,95.775999,2	Check S/P Position	2R5	4	1	3,748,870:90:0
3789	**96**	**355**	**16:42:56.600**	**127FO4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,748,871:84:0**
3790	96	355	16:42:56.600	127FO	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,748,871:84:0
3791	**96**	**355**	**16:42:57.266**	**127FO4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,748,871:85:0**
3792	96	355	16:43:05.266	127FO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,748,872:06:0
3793	96	355	16:43:49.266	175FO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,748,872:72:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3794	96	355	16:43:52.600	117FO	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,748,872:77:0
3795	96	355	16:43:57.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3062.77 +/-	2R5	4	1	3,748,872:84:1
3796	96	355	16:43:58.600	175FO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,748,872:86:0
3797	96	355	16:43:58.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3062.65 +/-	2R5	4	1	3,748,872:86:3
3798	96	355	16:43:58.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3062.65 +/-	2R5	4	1	3,748,872:86:3
3799	**96**	**355**	**16:44:01.539**	**E4JNFEA16002-**	**NIMPBK**	**301DP**	**JUPITER CAMP. FEAT. 160 DEG. PHA**	**2R5**	**4**	**1**	**: :**
3800	96	355	16:44:01.933	117FO105A106A4A	7STRP	0.00585,0.0,0,0,	Slew =,0.11	2R5	4	1	3,748,873:00:0
3801	96	355	16:44:55.933	117FO105A106A4B	7STRP	-0.006,0.008,0,0	Slew =12.01	2R5	4	1	3,748,873:81:0
3802	96	355	16:45:06.600	117FO105A106A4C	7STRP	0.00585,0.0,0,0,	Slew =,0.11	2R5	4	1	3,748,874:06:0
3803	**96**	**355**	**16:46:00.206**	**E4JNFEA16002-**	**DESELC**	**300DP**	**JUPITER CAMP. FEAT. 160 DEG. PHA**	**2R5**	**4**	**1**	**: :**
3804	96	355	16:46:00.600	117FO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,748,874:87:0
3805	**96**	**355**	**16:46:07.267**	**E4JNFEA16002-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
3806	96	355	16:46:11.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3031.45 +/-	2R5	4	1	3,748,875:13:0
3807	96	355	16:46:11.933	175FO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,748,875:13:0
3808	96	355	16:46:11.933	175FO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,748,875:13:0
3809	**96**	**355**	**16:48:08.600**	**E4JNFEA16003-**		**-----START------**		**2R5**	**4**	**1**	**: :**
3810	96	355	16:49:03.933	165FP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,748,877:89:0
3811	96	355	16:49:04.600	165FP4B	7SCAN	NORM,95.910999,2	Check S/P Position	2R5	4	1	3,748,877:90:0
3812	96	355	16:50:01.266	127FP	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,748,878:84:0
3813	**96**	**355**	**16:50:01.266**	**127FP4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,748,878:84:0**
3814	**96**	**355**	**16:50:01.933**	**127FP4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,748,878:85:0**
3815	96	355	16:50:09.933	127FP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,748,879:06:0
3816	96	355	16:50:53.933	175FP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,748,879:72:0
3817	96	355	16:50:57.266	117FP	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,748,879:77:0
3818	96	355	16:51:02.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3032.78 +/-	2R5	4	1	3,748,879:84:1
3819	96	355	16:51:03.266	175FP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,748,879:86:0
3820	96	355	16:51:03.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3032.67 +/-	2R5	4	1	3,748,879:86:3
3821	96	355	16:51:03.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3032.67 +/-	2R5	4	1	3,748,879:86:3
3822	**96**	**355**	**16:51:06.205**	**E4JNFEA16003-**	**NIMPBK**	**301EA**	**JUPITER CAMP. FEAT. 160 DEG. PHA**	**2R5**	**4**	**1**	**: :**
3823	96	355	16:51:06.600	117FP105A106A4A	7STRP	0.00475,0.0,0,0,	Slew =,0.11	2R5	4	1	3,748,880:00:0
3824	96	355	16:51:50.600	117FP105A106A4B	7STRP	-0.00475,0.008,0	Slew =12.01	2R5	4	1	3,748,880:66:0
3825	96	355	16:52:01.266	117FP105A106A4C	7STRP	0.00475,0.0,0,0,	Slew =,0.11	2R5	4	1	3,748,880:82:0
3826	**96**	**355**	**16:52:44.872**	**E4JNFEA16003-**	**DESELC**	**300EA**	**JUPITER CAMP. FEAT. 160 DEG. PHA**	**2R5**	**4**	**1**	**: :**
3827	96	355	16:52:45.266	117FP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,748,881:57:0
3828	96	355	16:52:56.600	175FP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,748,881:74:0
3829	96	355	16:52:56.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3006.15 +/-	2R5	4	1	3,748,881:74:0
3830	96	355	16:52:56.600	175FP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,748,881:74:0
3831	**96**	**355**	**16:53:06.599**	**E4JNFEA16003-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
3832	96	355	16:54:07.266	165AV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,748,882:89:0
3833	96	355	16:54:07.933	165AV4B	7SCAN	NORM,91.879999,2	Check S/P Position	2R5	4	1	3,748,882:90:0
3834	**96**	**355**	**16:55:07.933**	**432H6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**2R5**	**4**	**1**	**3,748,883:89:0**
3835	96	355	17:00:00.600	481UC4A	7VECT		Inert vect update UTC	2R5	4	1	3,748,888:73:0
3836	**96**	**355**	**17:07:21.266**	**E4RNMRING_01-**		**-----START------**		**2R5**	**4**	**1**	**: :**
3837	96	355	17:08:16.600	165FM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,748,896:89:0
3838	96	355	17:08:17.266	165FM4B	7SCAN	NORM,88.068999,2	Check S/P Position	2R5	4	1	3,748,896:90:0
3839	**96**	**355**	**17:10:14.600**	**125FM4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**3,748,898:84:0**
3840	96	355	17:10:14.600	125FM	NIMSINIT	GS	##### GROUP START INIT	4R5	4	1	3,748,898:84:0
3841	96	355	17:10:14.600	125FM11A	NIMSINIT	GE	##### GROUP END INIT	4R5	4	1	3,748,898:84:0
3842	96	355	17:11:15.266	127FM	NIMSTAB	GS	%%%%% GROUP START TAB	4R5	4	1	3,748,899:84:0
3843	**96**	**355**	**17:11:15.266**	**127FM4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**4R1**	**4**	**0**	**3,748,899:84:0**
3844	**96**	**355**	**17:11:15.933**	**127FM4B**	**37ETB**		**Loads wavelength edit table**	**4R1**	**4**	**0**	**3,748,899:85:0**
3845	96	355	17:11:23.933	127FM11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R1	4	0	3,748,900:06:0
3846	96	355	17:12:07.933	175FM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R1	4	0	3,748,900:72:0
3847	96	355	17:12:11.266	117FM	**CSMOS**	GS	***** GROUP START CSMOS	4R1	4	0	3,748,900:77:0
3848	96	355	17:12:16.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3007.48 +/-	4R1	4	0	3,748,900:84:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3849	96	355	17:12:17.266	175FM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R1	4	0	3,748,900:86:0	
3850	96	355	17:12:17.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3007.37 +/-	4R1	4	0	3,748,900:86:3	
3851	96	355	17:12:17.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3007.37 +/-	4R1	4	0	3,748,900:86:3	
3852	96	355	17:12:20.600	117FM105A106A4A	7STRP	-0.054855,0.0120	Slew =,0.03	4R1	4	0	3,748,901:00:0	
3853	**96**	**355**	**17:12:20.872**	**E4RNMRING 01-**	**NIMPBK**	**301DG**	**MAIN RING OBSERVATION**	**4R1**	**4**	**0**	**: :**	
3854	**96**	**355**	**17:13:21.538**	**E4RNMRING 01-**	**DESELC**	**300DG**	**MAIN RING OBSERVATION**	**4R1**	**4**	**0**	**: :**	
3855	**96**	**355**	**17:16:22.871**	**E4RNMRING 01-**	**NIMPBK**	**301DJ**	**MAIN RING OBSERVATION**	**4R1**	**4**	**0**	**: :**	
3856	**96**	**355**	**17:17:24.204**	**E4RNMRING 01-**	**DESELC**	**300DJ**	**MAIN RING OBSERVATION**	**4R1**	**4**	**0**	**: :**	
3857	96	355	17:42:53.266	117FM11A	**CSMOS**	GE	***** GROUP END CSMOS	4R1	4	0	3,748,931:19:0	
3858	96	355	17:43:04.600	175FM422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	3,748,931:36:0	
3859	96	355	17:43:04.600	175FM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R1	4	0	3,748,931:36:0	
3860	96	355	17:43:04.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2574.44 +/-	4R1	4	0	3,748,931:36:0	
3861	**96**	**355**	**17:43:11.266**	**E4RNMRING_01-**		**-----STOP-------**		**4R1**	**4**	**0**	**: :**	
3862	**96**	**355**	**17:46:47.333**	**E4NNCHOPOF01-**		**-----START------**		**4R1**	**4**	**0**	**: :**	
3863	**96**	**355**	**17:47:39.266**	**127DX4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**3,748,935:84:0**	
3864	96	355	17:47:39.266	127DX	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	3,748,935:84:0	
3865	**96**	**355**	**17:47:39.933**	**127DX4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**3,748,935:85:0**	
3866	96	355	17:47:43.933	411JG6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R0	4	0	3,748,936:00:0	
3867	96	355	17:47:47.933	127DX11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	3,748,936:06:0	
3868	96	355	17:47:52.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2575.78 +/-	4R0	4	0	3,748,936:12:1	
3869	96	355	17:47:53.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2575.66 +/-	4R0	4	0	3,748,936:14:3	
3870	96	355	17:47:53.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2575.66 +/-	4R0	4	0	3,748,936:14:3	
3871	96	355	17:47:53.933	411JG6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R0	4	0	3,748,936:15:0	
3872	**96**	**355**	**17:49:40.600**	**125FZ4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,748,937:84:0**	
3873	96	355	17:49:40.600	125FZ	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	3,748,937:84:0	
3874	96	355	17:49:55.266	411JG6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R0	4	0	3,748,938:15:0	
3875	96	355	17:49:57.933	175TK176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R0	4	0	3,748,938:19:0	
3876	96	355	17:49:58.600	175TK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R0	4	0	3,748,938:20:0	
3877	96	355	17:50:05.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2544.77 +/-	4R0	4	0	3,748,938:30:0	
3878	96	355	17:50:05.266	175TK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R0	4	0	3,748,938:30:0	
3879	**96**	**355**	**17:50:41.266**	**125FZ4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,748,938:84:0**	
3880	96	355	17:51:41.933	125FZ11A	NIMSINIT	GE	##### GROUP END INIT	460	4	0	3,748,939:84:0	
3881	**96**	**355**	**17:51:41.933**	**125FZ4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**3,748,939:84:0**	
3882	96	355	17:54:59.933	41VC99A	**POWER**	PWR MODE change	Change to Maneuver Mode	4O0	4	0	3,748,943:17:0	
3883	**96**	**355**	**17:55:03.933**	**41VC3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,748,943:23:0**	
3884	**96**	**355**	**17:55:13.933**	**41VC3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,748,943:38:0**	
3885	**96**	**355**	**17:55:53.333**	**E4JNSCITRN01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
3886	**96**	**355**	**17:56:54.000**	**E4NNCHOPOF01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
3887	**96**	**355**	**17:57:23.933**	**41VC3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,748,945:51:0**	
3888	**96**	**355**	**17:57:33.933**	**41VC3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,748,945:66:0**	
3889	**96**	**355**	**17:57:43.933**	**41VC3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,748,945:81:0**	
3890	**96**	**355**	**17:57:53.933**	**41VC3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,748,946:05:0**	
3891	96	355	18:10:01.933	490UB412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	3,748,958:05:0	
3892	96	355	18:14:59.933	490UB412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,748,962:88:0	
3893	96	355	18:19:09.933	490UB412A4E	7VECT	RTH	Inert vect update UTC	4O0	4	0	3,748,967:08:0	
3894	96	355	18:19:13.933	490UB412A4F	7TURN	1,RTH	ALERT Thruster	4O0	4	0	3,748,967:14:0	
3895	96	355	18:23:01.933	490UB412A406A4A	7STAR	1,3000,95.710999	Star catalog update	4O0	4	0	3,748,970:83:0	
3896	96	355	18:23:03.933	490UB412A406A4B	7STAR	2,131,322.01	Star catalog update	4O0	4	0	3,748,970:86:0	
3897	96	355	18:23:05.933	490UB412A406A4C	7STAR	3,396,206.39	Star catalog update	4O0	4	0	3,748,970:89:0	
3898	96	355	18:23:07.933	490UB412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	3,748,971:01:0	
3899	96	355	18:23:09.933	490UB412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	3,748,971:04:0	
3900	96	355	18:23:11.933	490UB412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	3,748,971:07:0	
3901	**96**	**355**	**18:34:14.600**	**432I6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,748,982:00:0**	
3902	96	355	19:20:40.600	488Y6A	6TMSED	NORM,BL2	Sci, Eng, and D/L Chan	4O0	4	0	3,749,027:84:0	
3903	96	355	20:26:33.933	488Y6B	6TMSED	NORM,BL3	Sci, Eng, and D/L Chan	4O0	4	0	3,749,093:08:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3904	96	355	20:27:59.933	41WC99A	**POWER**	PWR MODE change	Change to Playback Mode	4O0	4	0	3,749,094:46:0	
3905	**96**	**355**	**20:28:03.933**	**41WC3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,749,094:52:0**	
3906	**96**	**355**	**20:28:13.933**	**41WC3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,749,094:67:0**	
3907	**96**	**355**	**20:28:23.933**	**41WC3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,749,094:82:0**	
3908	**96**	**355**	**20:28:33.933**	**41WC3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,749,095:06:0**	
3909	**96**	**355**	**20:30:43.933**	**41WC3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,749,097:19:0**	
3910	**96**	**355**	**20:30:53.933**	**41WC3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,749,097:34:0**	
3911	**96**	**355**	**20:31:03.933**	**33B3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,749,097:49:0**	
3912	**96**	**355**	**20:31:13.933**	**33C3A**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,749,097:64:0**	
3913	**96**	**355**	**20:31:23.933**	**33D3A**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,749,097:79:0**	
3914	96	355	20:39:59.266	432OF431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,749,106:33:0	
3915	96	355	20:39:59.933	432OF6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,749,106:34:0	
3916	96	355	20:58:33.933	488Y6C	6TMSED	NORM,BL4	Sci, Eng, and D/L Chan	4O0	4	0	3,749,124:67:0	
3917	96	355	20:59:59.933	488Y6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	3,749,126:14:0	
3918	96	355	22:16:55.266	488Y6E	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	4O0	4	0	3,749,202:21:0	
3919	96	355	22:46:53.933	488Z6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	3,749,231:80:0	
3920	96	355	23:08:41.933	488Z6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	3,749,253:40:0	
3921	96	356	00:12:41.933	488Z6C	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	3,749,316:67:0	
3922	96	356	00:59:59.933	488Z6D	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	4O0	4	0	3,749,363:47:0	
3923	96	356	02:54:34.600	175GA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,749,476:76:0	
3924	96	356	02:54:42.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2546.10 +/-	4O0	4	0	3,749,476:88:1	
3925	96	356	02:54:43.933	175GA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	3,749,476:90:0	
3926	96	356	02:54:44.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2545.99 +/-	4O0	4	0	3,749,476:90:3	
3927	96	356	02:54:44.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2545.99 +/-	4O0	4	0	3,749,476:90:3	
3928	96	356	02:55:34.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2534.16 +/-	4O0	4	0	3,749,477:75:0	
3929	96	356	02:55:34.600	175GA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,749,477:75:0	
3930	96	356	05:56:43.266	165CP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,749,656:89:0	
3931	96	356	05:56:43.933	165CP4B	7SCAN	NORM,305.654999,	Check S/P Position	4O0	4	0	3,749,656:90:0	
3932	96	356	06:00:37.933	117CA	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	3,749,660:77:0	
3933	96	356	06:00:47.266	117CA105A106A4A	7STRP	0.00873,0.0,0,0,	Slew =,0.01	4O0	4	0	3,749,661:00:0	
3934	96	356	06:15:57.266	117CA11A	**CSMOS**	GE	***** GROUP END CSMOS	4O0	4	0	3,749,676:00:0	
3935	96	356	06:20:05.266	20KC4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,749,680:08:0	
3936	96	356	06:29:59.933	444UB443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,749,689:81:0	
3937	96	356	06:56:03.933	20UA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,749,715:61:0	
3938	96	356	06:56:53.933	20UA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,749,716:45:0	
3939	96	356	07:12:57.933	488AA6A	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	4O0	4	0	3,749,732:35:0	
3940	96	356	08:14:59.933	488AA6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,749,793:67:0	
3941	96	356	08:21:29.933	488AA6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,749,800:15:0	
3942	96	356	08:23:21.933	488AA6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,749,802:01:0	
3943	96	356	09:56:23.933	488AA6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,749,894:02:0	
3944	96	356	10:54:49.866	488AB6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,749,951:74:0	
3945	96	356	14:29:22.533	411JE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,750,164:00:0	
3946	96	356	14:29:30.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2535.49 +/-	4O0	4	0	3,750,164:12:1	
3947	96	356	14:29:32.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2535.37 +/-	4O0	4	0	3,750,164:14:3	
3948	96	356	14:29:32.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2535.37 +/-	4O0	4	0	3,750,164:14:3	
3949	96	356	14:29:32.533	411JE6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	3,750,164:15:0	
3950	96	356	14:31:33.866	411JE6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	3,750,166:15:0	
3951	96	356	14:31:36.533	175TL176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	3,750,166:19:0	
3952	96	356	14:31:37.200	175TL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,750,166:20:0	
3953	96	356	14:31:43.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2504.48 +/-	4O0	4	0	3,750,166:30:0	
3954	96	356	14:31:43.866	175TL422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,750,166:30:0	
3955	96	356	15:08:41.866	488AB6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,750,202:81:0	
3956	**96**	**356**	**15:32:02.533**	**432J6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4O0**	**4**	**0**	**3,750,225:89:0**	
3957	96	356	15:33:09.866	488AB6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,750,227:08:0	
3958	96	356	17:38:01.866	488AC6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,750,350:53:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3959	**96**	**356**	**18:29:00.533**	**432SA6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,750,401:00:0**
3960	96	356	18:59:19.200	432JP6B	6RTDS2	NIMNCG,AACDSL,RT	AACS DESELECT	4O0	4	0	3,750,430:89:0
3961	96	356	19:01:21.866	411WA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,750,433:00:0
3962	96	356	19:01:29.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2505.82 +/-	4O0	4	0	3,750,433:12:1
3963	96	356	19:01:31.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2505.70 +/-	4O0	4	0	3,750,433:14:3
3964	96	356	19:01:31.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2505.70 +/-	4O0	4	0	3,750,433:14:3
3965	96	356	19:01:31.866	411WA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	3,750,433:15:0
3966	96	356	19:03:33.200	411WA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	3,750,435:15:0
3967	96	356	19:03:35.866	175TM176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	3,750,435:19:0
3968	96	356	19:03:36.533	175TM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,750,435:20:0
3969	96	356	19:03:43.200	175TM422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,750,435:30:0
3970	96	356	19:03:43.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2474.81 +/-	4O0	4	0	3,750,435:30:0
3971	96	356	20:26:33.866	488AC6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,750,517:24:0
3972	96	356	20:45:20.533	175GB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,750,535:76:0
3973	96	356	20:45:28.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2476.14 +/-	4O0	4	0	3,750,535:88:1
3974	96	356	20:45:29.866	175GB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	3,750,535:90:0
3975	96	356	20:45:30.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2476.02 +/-	4O0	4	0	3,750,535:90:3
3976	96	356	20:45:30.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2476.02 +/-	4O0	4	0	3,750,535:90:3
3977	96	356	20:46:10.533	175GB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,750,536:60:0
3978	96	356	20:46:10.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2466.54 +/-	4O0	4	0	3,750,536:60:0
3979	96	356	20:57:38.533	465KH6A	6DMSC	RDY,2	DMS Control Tape stop	4O0	4	0	3,750,548:00:0
3980	96	356	20:58:33.866	488AC6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,750,548:83:0
3981	96	356	20:59:43.200	176WA6A	6TMREC	IPB	INITIATE PLAYBACK (PB CONTROL) Record Mod	4O0	4	0	3,750,550:05:0
3982	**96**	**356**	**21:17:50.533**	**432SB6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4O0**	**4**	**0**	**3,750,567:89:0**
3983	96	356	22:30:17.866	488AC6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,750,639:58:0
3984	96	357	00:08:25.866	488AD6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,750,736:63:0
3985	**96**	**357**	**00:29:58.533**	**432K6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,750,758:00:0**
3986	96	357	02:09:24.533	488AD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,750,856:31:0
3987	96	357	07:12:57.866	488AE6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,751,156:51:0
3988	96	357	08:12:41.866	488AE6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,751,215:58:0
3989	96	357	08:18:03.200	488AE6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,751,220:85:0
3990	96	357	10:16:19.866	488AE6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,751,337:83:0
3991	96	357	12:44:05.866	176WB6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	3,751,484:05:0
3992	96	357	12:59:59.866		DMS:	: READY	RDY, TRACK 2, REV, TIC 2466.48 +/-	4O0	4	0	3,751,499:71:0
3993	**96**	**357**	**13:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,751,499:71:2**
3994	**96**	**357**	**13:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,751,499:71:2**
3995	**96**	**357**	**13:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,751,499:71:2**
3996	**96**	**357**	**13:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,751,499:71:2**
3997	**96**	**357**	**13:00:00.000**	**20A3FB**	**37F2P**	**Final Condition**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,751,499:71:2**
3998	**96**	**357**	**13:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,751,499:71:2**
3999	**96**	**357**	**13:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,751,499:71:2**
4000	**96**	**357**	**13:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,751,499:71:2**
4001	**96**	**357**	**13:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**3,751,499:71:2**

			Sequence:	E04B-AR		Created: 3/10/97	Begin: 96-357/13:00:00 Finish: 97-034/15:30:00				
Line	**YR**	**DOY**	**SCET - GMT**	**PSID**	**Command**	**Parameters**	**Description**	**GCM**	**GO**	**GS**	**RIM MF I**
1	96	357	12:59:59.866		DMS:	: READY	RDY, TRACK 2, REV, TIC 526.00 +/-	4O0	4	0	3,751,499:71:0
2	**96**	**357**	**13:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,751,499:71:2**
3	**96**	**357**	**13:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,751,499:71:2**
4	**96**	**357**	**13:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**3,751,499:71:2**
5	**96**	**357**	**13:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,751,499:71:2**
6	**96**	**357**	**13:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,751,499:71:2**
7	**96**	**357**	**13:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,751,499:71:2**
8	**96**	**357**	**13:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,751,499:71:2**
9	**96**	**357**	**13:00:00.000**	**20A3FB**	**37F2P**	**Initial Condition**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,751,499:71:2**
10	**96**	**357**	**13:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,751,499:71:2**
11	96	357	13:00:41.866	488A6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,751,500:43:0
12	96	357	13:02:49.866	488A6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,751,502:53:0
13	**96**	**357**	**13:02:49.866**	**432B6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,751,502:53:0**
14	96	357	13:03:59.866	444UD443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,751,503:67:0
15	**96**	**357**	**13:04:14.533**	**432LA6B**	**6RTDS2**	**NIMNCG,AACDSL,RT**	**AACS DESELECT**	**4O0**	**4**	**0**	**3,751,503:89:0**
16	96	357	13:09:59.866	481UA4A	7VECT		Inert vect update UTC	4O0	4	0	3,751,509:61:0
17	96	357	13:18:03.200	488A6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,751,517:58:0
18	96	357	13:19:59.866	41UA99A	**POWER**	**PWR MODE change**	Change to Playback Mode	4O0	4	0	3,751,519:51:0
19	**96**	**357**	**13:20:03.866**	**41UA3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,751,519:57:0**
20	**96**	**357**	**13:20:13.866**	**41UA3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,751,519:72:0**
21	**96**	**357**	**13:20:23.866**	**41UA3K**	**40T2R**		**1 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,751,519:87:0**
22	**96**	**357**	**13:20:33.866**	**41UA3L**	**40T2R**		**2 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,751,520:11:0**
23	**96**	**357**	**13:22:43.866**	**41UA3G**	**37F2P**		**1 Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,751,522:24:0**
24	**96**	**357**	**13:22:53.866**	**41UA3H**	**37F2P**		**2 Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,751,522:39:0**
25	**96**	**357**	**13:23:03.866**	**33A3A**	**37F2PR**		**1 Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,751,522:54:0**
26	**96**	**357**	**13:23:13.866**	**33B3A**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,751,522:69:0**
27	**96**	**357**	**13:23:23.866**	**33C3A**	**40T2**		**1 PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,751,522:84:0**
28	96	357	13:30:03.866	20XA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,751,529:47:0
29	96	357	13:30:53.866	20XA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,751,530:31:0
30	96	357	13:32:34.533	176A6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,751,532:00:0
31	96	357	19:58:01.133	488B6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,751,913:19:0
32	96	357	20:26:33.800	488B6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,751,941:40:0
33	96	357	20:58:33.800	488B6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,751,973:08:0
34	96	357	22:12:04.466	488B6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,752,045:72:0
35	96	357	22:34:33.800	488B6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,752,068:03:0
36	96	357	22:39:37.133	488C6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,752,073:03:0
37	96	358	00:19:05.800	488C6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,752,171:38:0
38	96	358	06:29:45.133	176N6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,752,538:00:0
39	96	358	06:30:59.800	41VD99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	4O0	4	0	3,752,539:21:0
40	**96**	**358**	**06:31:03.800**	**41VD3K**	**37F2PR**		**1 Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,752,539:27:0**
41	**96**	**358**	**06:31:13.800**	**41VD3L**	**37F2PR**		**2 Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,752,539:42:0**
42	**96**	**358**	**06:33:23.800**	**41VD3G**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,752,541:55:0**
43	**96**	**358**	**06:33:33.800**	**41VD3H**	**40T1P**		**2 PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,752,541:70:0**
44	**96**	**358**	**06:33:43.800**	**41VD3I**	**40T2**		**1 PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,752,541:85:0**
45	**96**	**358**	**06:33:53.800**	**41VD3J**	**40T2**		**2 PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,752,542:09:0**
46	96	358	06:42:19.800	20YC4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,752,550:40:0
47	96	358	07:01:19.800	20YC4D	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	3,752,569:21:0
48	96	358	07:05:52.466	488D6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,752,573:66:0
49	96	358	07:08:41.800	488D6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,752,576:47:0
50	96	358	10:36:59.800	20BA6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,752,782:48:0
51	96	358	11:39:59.800	474AA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	3,752,844:76:0
52	96	358	11:41:59.800	474AA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,752,846:74:0
53	96	358	11:46:13.800	474AA416A4E	7BURN	AT,217.7106,36.5	ALERT -- Thruster fire	4O0	4	0	3,752,851:00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	96	358	11:49:59.800	20BA6B	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,752,854:66:0	
55	96	358	12:54:41.800	474AA416A4I	7BURN	AT,217.7106,36.5	ALERT -- Thruster fire	4O0	4	0	3,752,918:65:0	
56	96	358	14:24:49.800	474AA416A4P	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,753,007:78:0	
57	96	358	14:59:59.800	20BA6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,753,042:58:0	
58	96	358	15:07:59.800	20BA6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,753,050:50:0	
59	96	358	18:06:59.800	20BA6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,753,227:53:0	
60	96	358	18:44:59.800	444UE443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,753,265:15:0	
61	96	358	18:49:59.800	41UB99A	**POWER**	**PWR MODE change**	Change to Playback Mode	4O0	4	0	3,753,270:10:0	
62	96	358	18:49:59.800	488E6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,753,270:10:0	
63	**96**	**358**	**18:50:03.800**	**41UB3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,753,270:16:0**	
64	**96**	**358**	**18:50:13.800**	**41UB3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,753,270:31:0**	
65	**96**	**358**	**18:50:23.800**	**41UB3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,753,270:46:0**	
66	**96**	**358**	**18:50:33.800**	**41UB3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,753,270:61:0**	
67	**96**	**358**	**18:52:43.800**	**41UB3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,753,272:74:0**	
68	**96**	**358**	**18:52:53.800**	**41UB3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,753,272:89:0**	
69	**96**	**358**	**18:53:03.133**	**33D3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,753,273:12:0**	
70	**96**	**358**	**18:53:13.133**	**33E3A**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,753,273:27:0**	
71	**96**	**358**	**18:53:23.133**	**33F3A**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,753,273:42:0**	
72	96	358	19:00:03.800	20XB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,753,280:06:0	
73	96	358	19:00:53.800	20XB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,753,280:81:0	
74	96	358	19:02:01.133	176AH6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,753,282:00:0	
75	96	358	19:08:53.133	488E6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,753,288:72:0	
76	96	358	19:47:31.133	176Q6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,753,327:00:0	
77	96	358	19:49:59.800	41VE99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	4O0	4	0	3,753,329:41:0	
78	**96**	**358**	**19:50:03.800**	**41VE3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,753,329:47:0**	
79	**96**	**358**	**19:50:13.800**	**41VE3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,753,329:62:0**	
80	**96**	**358**	**19:52:23.800**	**41VE3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,753,331:75:0**	
81	**96**	**358**	**19:52:33.800**	**41VE3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,753,331:90:0**	
82	**96**	**358**	**19:52:43.800**	**41VE3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,753,332:14:0**	
83	**96**	**358**	**19:52:53.800**	**41VE3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,753,332:29:0**	
84	96	358	19:52:59.800	488E6C	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,753,332:38:0	
85	96	358	20:01:59.800	20XY4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,753,341:29:0	
86	96	358	20:02:59.800	20XY4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	3,753,342:28:0	
87	96	358	20:04:59.800	20XY4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,753,344:26:0	
88	96	358	20:10:29.800	20XY4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	3,753,349:66:0	
89	96	358	20:10:30.466	20XY4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	3,753,349:67:0	
90	96	358	20:10:50.466	20XY4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	3,753,350:06:0	
91	96	358	20:10:51.133	20XY4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	3,753,350:07:0	
92	96	358	20:11:11.133	20XY4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	3,753,350:37:0	
93	96	358	20:11:11.800	20XY4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	3,753,350:38:0	
94	96	358	20:11:21.800	20XY4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	3,753,350:53:0	
95	96	358	20:11:22.466	20XY4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	3,753,350:54:0	
96	96	358	20:11:32.466	20XY4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	3,753,350:69:0	
97	96	358	20:11:33.133	20XY4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	3,753,350:70:0	
98	96	358	20:13:19.800	20XY4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	3,753,352:48:0	
99	96	358	20:13:20.466	20XY4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	3,753,352:49:0	
100	96	358	20:13:40.466	20XY4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	3,753,352:79:0	
101	96	358	20:13:41.133	20XY4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	3,753,352:80:0	
102	96	358	20:14:01.133	20XY4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	3,753,353:19:0	
103	96	358	20:14:01.800	20XY4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	3,753,353:20:0	
104	96	358	20:14:11.800	20XY4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	3,753,353:35:0	
105	96	358	20:14:12.466	20XY4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	3,753,353:36:0	
106	96	358	20:14:22.466	20XY4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	3,753,353:51:0	
107	96	358	20:14:23.133	20XY4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	3,753,353:52:0	
108	96	358	20:15:19.800	20XY4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,753,354:46:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	96	358	20:39:59.800	41UC99A	**POWER**	**PWR MODE change**	Change to Playback Mode	4O0	4	0	3,753,378:82:0	
110	**96**	**358**	**20:40:03.800**	**41UC3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,753,378:88:0**	
111	**96**	**358**	**20:40:13.800**	**41UC3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,753,379:12:0**	
112	**96**	**358**	**20:40:23.800**	**41UC3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,753,379:27:0**	
113	**96**	**358**	**20:40:33.800**	**41UC3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,753,379:42:0**	
114	**96**	**358**	**20:42:43.800**	**41UC3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,753,381:55:0**	
115	**96**	**358**	**20:42:53.800**	**41UC3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,753,381:70:0**	
116	**96**	**358**	**20:43:03.800**	**33G3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,753,381:85:0**	
117	**96**	**358**	**20:43:13.800**	**33H3A**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,753,382:09:0**	
118	**96**	**358**	**20:43:23.800**	**33I3A**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,753,382:24:0**	
119	96	358	20:50:03.800	20XC4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,753,388:78:0	
120	96	358	20:50:53.800	20XC4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,753,389:62:0	
121	96	358	20:52:13.800	176AI6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,753,391:00:0	
122	96	358	21:00:41.800	488E6D	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	4O0	4	0	3,753,399:34:0	
123	96	358	21:06:19.800	488E6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	3,753,404:86:0	
124	96	358	21:49:45.800	488F6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	3,753,447:82:0	
125	96	358	22:00:59.800	488F6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,753,459:01:0	
126	96	358	22:26:02.400	488F6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,753,483:71:0	
127	96	359	00:12:41.733	488F6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,753,589:24:0	
128	96	359	01:54:55.733	488F6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,753,690:34:0	
129	96	359	02:13:07.733	488G6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,753,708:34:0	
130	96	359	06:43:05.733	488G6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,753,975:34:0	
131	96	359	07:53:29.733	488G6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,754,045:00:0	
132	96	359	08:12:55.733	488G6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,754,064:20:0	
133	96	359	10:36:12.400	488H6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,754,205:84:0	
134	96	359	15:02:55.066	488H6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,754,469:64:0	
135	96	359	17:16:11.066	488I6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,754,601:46:0	
136	96	359	18:46:17.733	488I6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,754,690:57:0	
137	96	359	20:20:09.733	488I6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,754,783:42:0	
138	96	359	20:52:09.733	488I6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,754,815:10:0	
139	96	359	21:24:09.733	488I6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,754,846:69:0	
140	96	359	22:26:01.733	488J6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,754,907:86:0	
141	96	360	00:08:25.733	488J6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,755,009:20:0	
142	96	360	06:43:05.666	488K6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,755,399:50:0	
143	96	360	07:53:29.666	488K6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,755,469:16:0	
144	96	360	08:07:53.000	488K6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,755,483:37:0	
145	96	360	10:31:09.000	488K6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,755,625:09:0	
146	96	360	14:57:51.666	488L6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,755,888:80:0	
147	96	360	17:11:08.333	488L6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,756,020:63:0	
148	96	360	18:31:21.666	488L6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,756,100:03:0	
149	**96**	**360**	**18:59:42.333**	**E4NNPCTRLT01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
150	**96**	**360**	**18:59:49.000**	**20FR3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,756,128:16:0**	
151	**96**	**360**	**18:59:53.000**	**20FR3B**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,756,128:22:0**	
152	**96**	**360**	**18:59:59.000**	**20FR3C**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,756,128:31:0**	
153	**96**	**360**	**19:00:03.000**	**20FR3D**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,756,128:37:0**	
154	**96**	**360**	**19:00:09.000**	**20FR3E**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,756,128:46:0**	
155	**96**	**360**	**19:00:13.000**	**20FR3F**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,756,128:52:0**	
156	96	360	20:15:53.666	488L6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,756,203:38:0	
157	96	360	20:47:53.666	488L6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,756,235:06:0	
158	96	360	21:19:53.666	488M6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,756,266:65:0	
159	96	360	22:19:37.666	488M6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,756,325:72:0	
160	96	361	00:08:25.666	488M6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,756,433:36:0	
161	96	361	06:43:05.666	488N6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,756,823:66:0	
162	96	361	07:47:05.666	488N6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,756,887:02:0	
163	96	361	07:57:49.000	488N6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,756,897:57:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	96	361	17:46:04.933	488O6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,757,479:39:0	
165	96	361	19:46:58.933	176S6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,757,599:00:0	
166	96	361	19:49:00.266	41VF99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	4O0	4	0	3,757,601:00:0	
167	**96**	**361**	**19:49:04.266**	**41VF3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,757,601:06:0**	
168	**96**	**361**	**19:49:14.266**	**41VF3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,757,601:21:0**	
169	**96**	**361**	**19:51:24.266**	**41VF3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,757,603:34:0**	
170	**96**	**361**	**19:51:34.266**	**41VF3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,757,603:49:0**	
171	**96**	**361**	**19:51:44.266**	**41VF3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,757,603:64:0**	
172	**96**	**361**	**19:51:54.266**	**41VF3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,757,603:79:0**	
173	96	361	20:25:02.266	490UH412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	3,757,636:58:0	
174	96	361	20:30:00.266	490UH412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,757,641:50:0	
175	96	361	20:34:10.266	490UH412A4E	7VECT	RTH	Inert vect update UTC	4O0	4	0	3,757,645:61:0	
176	96	361	20:34:14.266	490UH412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	3,757,645:67:0	
177	96	361	20:38:02.266	490UH412A406A4A	7STAR	1,3000,95.710999	Star catalog update	4O0	4	0	3,757,649:45:0	
178	96	361	20:38:04.266	490UH412A406A4B	7STAR	2,111,257.16	Star catalog update	4O0	4	0	3,757,649:48:0	
179	96	361	20:38:06.266	490UH412A406A4C	7STAR	3,770,213.33,19.	Star catalog update	4O0	4	0	3,757,649:51:0	
180	96	361	20:38:08.266	490UH412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	3,757,649:54:0	
181	96	361	20:38:10.266	490UH412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	3,757,649:57:0	
182	96	361	20:38:12.266	490UH412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	3,757,649:60:0	
183	96	361	21:49:12.933	490UH412A4L	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,757,719:81:0	
184	96	361	22:10:00.266	41UD99A	**POWER**	**PWR MODE change**	Change to Playback Mode	4O0	4	0	3,757,740:41:0	
185	**96**	**361**	**22:10:04.266**	**41UD3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,757,740:47:0**	
186	**96**	**361**	**22:10:14.266**	**41UD3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,757,740:62:0**	
187	**96**	**361**	**22:10:24.266**	**41UD3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,757,740:77:0**	
188	**96**	**361**	**22:10:34.266**	**41UD3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,757,741:01:0**	
189	**96**	**361**	**22:12:44.266**	**41UD3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,757,743:14:0**	
190	**96**	**361**	**22:12:54.266**	**41UD3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,757,743:29:0**	
191	**96**	**361**	**22:13:04.266**	**33J3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,757,743:44:0**	
192	**96**	**361**	**22:13:14.266**	**33K3A**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,757,743:59:0**	
193	**96**	**361**	**22:13:24.266**	**33L3A**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,757,743:74:0**	
194	96	361	22:20:04.266	20XD4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,757,750:37:0	
195	96	361	22:20:54.266	20XD4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,757,751:21:0	
196	96	361	22:22:41.600	176AJ6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,757,753:00:0	
197	**96**	**361**	**22:24:00.266**	**20FZ3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,757,754:27:0**	
198	**96**	**361**	**22:24:04.266**	**20FZ3B**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,757,754:33:0**	
199	**96**	**361**	**22:24:10.266**	**20FZ3C**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,757,754:42:0**	
200	**96**	**361**	**22:24:14.266**	**20FZ3D**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,757,754:48:0**	
201	**96**	**361**	**22:24:20.266**	**20FZ3E**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,757,754:57:0**	
202	**96**	**361**	**22:24:24.266**	**20FZ3F**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,757,754:63:0**	
203	96	361	22:37:48.266	488O6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,757,767:86:0	
204	96	361	23:21:29.600	488O6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,757,811:14:0	
205	96	362	02:47:55.600	488P6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,758,015:29:0	
206	96	362	06:53:45.600	488P6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,758,258:41:0	
207	96	362	07:25:45.600	488P6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,758,290:09:0	
208	96	362	07:41:52.933	488P6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,758,306:04:0	
209	96	362	07:57:45.600	488P6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,758,321:68:0	
210	96	362	08:39:54.933	476A6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,758,363:40:0	
211	96	362	11:56:02.933	488Q6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,758,557:38:0	
212	96	362	13:22:46.266	488Q6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,758,643:17:0	
213	96	362	14:04:41.600	488Q6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,758,684:59:0	
214	96	362	19:32:42.866	41TW99A	**POWER**	**PWR MODE change**	Change to Data Taking Mode	4O0	4	0	3,759,009:06:0	
215	**96**	**362**	**19:32:46.866**	**41TW3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,759,009:12:0**	
216	**96**	**362**	**19:32:56.866**	**41TW3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,759,009:27:0**	
217	**96**	**362**	**19:33:06.866**	**41TW3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,759,009:42:0**	
218	**96**	**362**	**19:33:16.866**	**41TW3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,759,009:57:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	**96**	**362**	**19:33:26.866**	**41TW3C**	**40T2R**		**1 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,759,009:72:0**	
220	**96**	**362**	**19:33:36.866**	**41TW3D**	**40T2R**		**2 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,759,009:87:0**	
221	96	362	21:15:00.866	488R6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,759,110:22:0	
222	96	362	22:15:21.533	488R6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,759,169:84:0	
223	96	362	22:47:21.533	488R6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,759,201:52:0	
224	96	363	00:02:01.533	488R6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,759,275:38:0	
225	96	363	01:36:38.866	176FA6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,759,369:00:0	
226	96	363	01:39:00.200	444UH443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,759,371:30:0	
227	96	363	01:43:00.200	444UH443A4B	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	3,759,375:26:0	
228	96	363	01:52:00.200	444UH443A4C	7CLK	17.45,0.0	Check S/P Position	4O0	4	0	3,759,384:17:0	
229	**96**	**363**	**01:55:46.866**	**125FT4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,759,387:84:0**	
230	96	363	01:55:46.866	125FT	NIMSINIT	GS	##### GROUP START INIT	460	4	0	3,759,387:84:0	
231	**96**	**363**	**01:56:47.533**	**125FT4B**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**3,759,388:84:0**	
232	**96**	**363**	**01:57:48.200**	**125FT4C**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,759,389:84:0**	
233	96	363	01:57:48.200	125FT11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	3,759,389:84:0	
234	**96**	**363**	**02:00:50.200**	**127FT4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,759,392:84:0**	
235	96	363	02:00:50.200	127FT	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,759,392:84:0	
236	**96**	**363**	**02:00:50.866**	**127FT4B**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,759,392:85:0**	
237	96	363	02:00:58.866	127FT11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,759,393:06:0	
238	**96**	**363**	**02:02:15.533**	**432EA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**3,759,394:30:0**	
239	**96**	**363**	**02:03:14.866**	**432EB6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,759,395:28:0**	
240	96	363	02:03:56.866	192EQ4A	**7CONE**	17.0,54.88	Check S/P Position	4R3	4	0	3,759,396:00:0	
241	96	363	02:03:57.533	192EQ4B	7CLK	17.0,244.07	Check S/P Position	4R3	4	0	3,759,396:01:0	
242	**96**	**363**	**02:07:18.866**	**432EC6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**3,759,399:30:0**	
243	**96**	**363**	**02:17:24.200**	**432ED6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,759,409:28:0**	
244	96	363	02:18:01.533	127FU	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,759,409:84:0	
245	**96**	**363**	**02:18:01.533**	**127FU4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**3,759,409:84:0**	
246	**96**	**363**	**02:18:02.200**	**127FU4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**3,759,409:85:0**	
247	96	363	02:18:10.200	20FH4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R0	4	0	3,759,410:06:0	
248	96	363	02:18:10.200	127FU11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	3,759,410:06:0	
249	**96**	**363**	**02:20:02.866**	**125FV4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,759,411:84:0**	
250	96	363	02:20:02.866	125FV	NIMSINIT	GS	##### GROUP START INIT	460	4	0	3,759,411:84:0	
251	**96**	**363**	**02:21:03.533**	**125FV4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**3,759,412:84:0**	
252	96	363	02:22:04.200	125FV11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	3,759,413:84:0	
253	**96**	**363**	**02:22:04.200**	**125FV4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4O0**	**4**	**0**	**3,759,413:84:0**	
254	96	363	02:23:14.866	444UI443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,759,415:08:0	
255	96	363	02:27:14.866	444UI443A4B	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,759,419:04:0	
256	96	363	02:37:22.866	41TV99A	**POWER**	**PWR MODE change**	Change to Playback Mode	4O0	4	0	3,759,429:06:0	
257	**96**	**363**	**02:37:26.866**	**41TV3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,759,429:12:0**	
258	**96**	**363**	**02:37:36.866**	**41TV3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,759,429:27:0**	
259	**96**	**363**	**02:37:46.866**	**41TV3K**	**40T2R**		**1 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,759,429:42:0**	
260	**96**	**363**	**02:37:56.866**	**41TV3L**	**40T2R**		**2 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,759,429:57:0**	
261	**96**	**363**	**02:40:06.866**	**41TV3G**	**37F2P**		**1 Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,759,431:70:0**	
262	**96**	**363**	**02:40:16.866**	**41TV3H**	**37F2P**		**2 Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,759,431:85:0**	
263	**96**	**363**	**02:40:27.533**	**33M3A**	**37F2PR**		**1 Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,759,432:10:0**	
264	**96**	**363**	**02:40:37.533**	**33N3A**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,759,432:25:0**	
265	**96**	**363**	**02:40:47.533**	**33O3A**	**40T2**		**1 PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,759,432:40:0**	
266	96	363	02:47:33.533	20TU4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,759,439:12:0	
267	96	363	02:48:23.533	20TU4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,759,439:87:0	
268	96	363	02:49:26.866	176FK6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,759,441:00:0	
269	**96**	**363**	**02:49:30.999**	**E4NNPCTRLT01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
270	96	363	06:53:45.533	488S6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,759,682:57:0	
271	96	363	07:57:27.533	488S6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,759,745:57:0	
272	96	363	07:57:45.533	488S6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,759,745:84:0	
273	96	363	10:11:00.200	488S6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,759,877:64:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	96	363	14:57:44.200	488T6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,760,161:26:0	
275	96	363	16:56:00.200	488T6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,760,278:23:0	
276	96	363	19:24:41.533	488T6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,760,425:28:0	
277	96	363	20:20:09.533	488T6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,760,480:15:0	
278	96	363	20:52:09.533	488T6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,760,511:74:0	
279	96	363	22:11:05.533	488U6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,760,589:80:0	
280	96	363	23:57:45.466	488U6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,760,695:34:0	
281	96	364	06:47:21.466	488V6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,761,100:43:0	
282	96	364	07:57:45.466	488V6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,761,170:09:0	
283	96	364	07:57:50.800	488V6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,761,170:17:0	
284	96	364	12:28:20.800	488V6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,761,437:65:0	
285	96	364	13:47:42.133	488W6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,761,516:18:0	
286	96	364	16:50:58.133	488W6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,761,697:41:0	
287	96	364	17:09:08.800	488W6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,761,715:39:0	
288	96	364	19:01:13.466	488W6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,761,826:25:0	
289	96	364	19:11:07.466	488W6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,761,836:06:0	
290	96	364	20:15:53.466	488X6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,761,900:11:0	
291	96	364	20:47:53.466	488X6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,761,931:70:0	
292	96	364	22:11:05.466	488X6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,762,014:05:0	
293	96	364	23:57:45.466	488X6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,762,119:50:0	
294	96	365	06:47:21.400	488Y6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,762,524:59:0	
295	96	365	07:55:25.400	488Y6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,762,591:88:0	
296	96	365	07:57:45.400	488Y6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,762,594:25:0	
297	96	365	10:00:56.066	488Y6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,762,716:09:0	
298	96	365	14:57:40.066	488Z6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,763,009:52:0	
299	96	365	16:50:56.066	488Z6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,763,121:54:0	
300	96	365	18:46:17.400	488Z6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,763,235:62:0	
301	96	365	20:15:53.400	488Z6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,763,324:27:0	
302	96	365	20:47:53.400	488Z6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,763,355:86:0	
303	96	365	22:04:41.400	488AA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,763,431:82:0	
304	96	365	23:53:29.400	488AA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,763,539:46:0	
305	96	366	06:43:05.400	488AB6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,763,944:55:0	
306	96	366	07:53:49.400	488AB6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,764,014:51:0	
307	96	366	07:57:45.400	488AB6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,764,018:41:0	
308	96	366	09:55:54.066	488AB6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,764,135:27:0	
309	96	366	14:57:38.000	488AC6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,764,433:65:0	
310	96	366	16:45:54.000	488AC6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,764,540:72:0	
311	96	366	18:29:13.333	488AC6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,764,642:89:0	
312	96	366	20:09:29.333	488AC6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,764,742:13:0	
313	96	366	20:41:29.333	488AC6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,764,773:72:0	
314	96	366	22:04:41.333	488AD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,764,856:07:0	
315	97	1	00:12:41.333	488AD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,764,982:61:0	
316	97	1	06:43:05.333	488AE6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,765,368:71:0	
317	97	1	07:11:53.333	488AE6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,765,397:24:0	
318	97	1	07:27:53.333	488AE6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,765,413:08:0	
319	97	1	12:18:26.000	488AE6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,765,700:40:0	
320	97	1	13:52:36.000	488AF6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,765,793:52:0	
321	97	1	16:45:52.000	488AF6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,765,964:85:0	
322	97	1	17:04:15.266	488AF6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,765,983:11:0	
323	97	1	18:54:49.266	488AF6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,766,092:43:0	
324	97	1	19:05:19.266	488AF6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,766,102:78:0	
325	97	1	20:05:13.266	488AG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,766,162:09:0	
326	97	1	20:37:13.266	488AG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,766,193:68:0	
327	97	1	22:00:25.266	488AG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,766,276:03:0	
328	97	2	00:12:41.266	488AG6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,766,406:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	97	2	06:36:41.266	488AH6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,766,786:57:0	
330	97	2	07:49:14.600	488AH6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,766,858:35:0	
331	97	2	07:53:29.266	488AH6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,766,862:53:0	
332	97	2	09:45:51.266	488AH6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,766,973:65:0	
333	97	2	14:52:35.266	488AI6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,767,277:07:0	
334	97	2	16:35:51.266	488AI6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,767,379:19:0	
335	97	2	18:20:41.266	488AI6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,767,482:81:0	
336	97	2	20:05:13.266	488AI6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,767,586:25:0	
337	97	2	20:37:13.266	488AI6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,767,617:84:0	
338	97	2	22:00:25.266	488AJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,767,700:19:0	
339	97	3	00:08:25.200	488AJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,767,826:73:0	
340	97	3	06:36:41.200	488AK6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,768,210:73:0	
341	97	3	07:45:23.200	488AK6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,768,278:68:0	
342	97	3	07:47:05.200	488AK6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,768,280:39:0	
343	97	3	09:45:49.866	488AK6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,768,397:79:0	
344	97	3	14:51:33.200	488AL6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,768,700:21:0	
345	97	3	19:23:29.200	488AL6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,768,969:16:0	
346	97	3	19:54:33.200	488AL6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,768,999:82:0	
347	97	3	20:26:33.200	488AL6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,769,031:50:0	
348	97	3	21:56:09.200	488AM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,769,120:15:0	
349	97	4	00:08:25.200	488AM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,769,250:89:0	
350	97	4	01:22:33.200	488AM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,769,324:27:0	
351	97	4	01:49:51.866	488AM6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,769,351:28:0	
352	97	4	06:32:25.133	488AN6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,769,630:69:0	
353	97	4	07:43:23.133	488AN6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,769,700:86:0	
354	97	4	07:47:05.133	488AN6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,769,704:55:0	
355	97	4	09:18:29.133	176O6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,769,795:00:0	
356	97	4	09:19:59.800	41VG99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	4O0	4	0	3,769,796:45:0	
357	**97**	**4**	**09:20:03.800**	**41VG3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,769,796:51:0**	
358	**97**	**4**	**09:20:13.800**	**41VG3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,769,796:66:0**	
359	**97**	**4**	**09:22:23.800**	**41VG3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,769,798:79:0**	
360	**97**	**4**	**09:22:33.800**	**41VG3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,769,799:03:0**	
361	**97**	**4**	**09:22:43.800**	**41VG3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,769,799:18:0**	
362	**97**	**4**	**09:22:53.800**	**41VG3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,769,799:33:0**	
363	97	4	09:31:19.800	20YD4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,769,807:64:0	
364	97	4	09:50:19.800	20YD4D	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	3,769,826:45:0	
365	97	4	10:20:49.133	488AN6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,769,856:59:0	
366	97	4	13:59:59.800	488AO6A	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,770,073:38:0	
367	97	4	14:31:59.800	488XX6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,770,105:06:0	
368	97	4	14:32:59.800	444UX443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,770,106:05:0	
369	97	4	14:38:03.800	20XX4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,770,111:06:0	
370	97	4	14:38:53.800	20XX4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,770,111:81:0	
371	97	4	14:40:01.133	176XX6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,770,113:00:0	
372	97	4	16:25:49.133	488XX6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,770,217:58:0	
373	97	4	18:14:17.133	488XX6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,770,324:83:0	
374	97	4	20:00:57.133	488XX6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,770,430:37:0	
375	97	4	20:32:57.133	488XY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,770,462:05:0	
376	97	4	21:49:45.133	488XY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,770,538:01:0	
377	97	4	22:28:09.800	176XY6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,770,576:00:0	
378	97	4	22:29:59.800	488AP6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,770,577:74:0	
379	97	4	22:29:59.800	41UE99A	**POWER**	**PWR MODE change**	Change to Playback Mode	4O0	4	0	3,770,577:74:0	
380	**97**	**4**	**22:30:03.800**	**41UE3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,770,577:80:0**	
381	**97**	**4**	**22:30:13.800**	**41UE3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,770,578:04:0**	
382	**97**	**4**	**22:30:23.800**	**41UE3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,770,578:19:0**	
383	**97**	**4**	**22:30:33.800**	**41UE3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,770,578:34:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	**97**	**4**	**22:32:43.800**	**41UE3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,770,580**	**47:0**
385	**97**	**4**	**22:32:53.800**	**41UE3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,770,580**	**62:0**
386	**97**	**4**	**22:33:03.800**	**33P3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,770,580**	**77:0**
387	**97**	**4**	**22:33:14.466**	**33Q3A**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,770,581**	**02:0**
388	**97**	**4**	**22:33:24.466**	**33R3A**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,770,581**	**17:0**
389	97	4	22:39:59.800	444UF443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,770,587	64:0
390	97	4	22:55:03.800	20XE4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,770,602	55:0
391	97	4	22:55:53.800	20XE4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,770,603	39:0
392	97	4	22:57:29.133	176AK6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,770,605	00:0
393	97	4	23:15:05.133	488AP6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,770,622	37:0
394	97	5	00:02:01.133	488AP6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,770,668	75:0
395	97	5	06:28:09.133	488AQ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,771,050	65:0
396	97	5	07:38:49.133	488AQ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,771,120	55:0
397	97	5	07:42:49.133	488AQ6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,771,124	51:0
398	97	5	12:03:31.066	488AQ6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,771,382	36:0
399	97	5	14:02:31.733	488AR6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,771,500	09:0
400	97	5	16:25:48.400	488AR6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,771,641	73:0
401	97	5	16:49:19.066	488AR6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,771,665	05:0
402	97	5	18:39:53.066	488AR6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,771,774	37:0
403	97	5	18:50:23.066	488AR6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,771,784	72:0
404	97	5	20:15:53.066	488AS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,771,869	32:0
405	97	5	21:49:45.066	488AS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,771,962	17:0
406	97	6	00:02:01.066	488AS6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,772,093	00:0
407	97	6	06:28:09.066	488AT6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,772,474	81:0
408	97	6	07:36:15.066	488AT6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,772,542	22:0
409	97	6	07:38:33.066	488AT6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,772,544	47:0
410	97	6	09:30:47.066	488AT6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,772,655	47:0
411	97	6	14:47:31.066	488AU6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,772,968	70:0
412	97	6	19:13:32.333	488AU6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,773,231	79:0
413	97	6	20:05:13.000	488AU6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,773,282	89:0
414	97	6	20:37:13.000	488AU6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,773,314	57:0
415	97	6	21:45:29.000	488AV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,773,382	13:0
416	97	6	23:57:45.000	488AV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,773,512	87:0
417	97	7	01:12:35.000	488AV6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,773,586	88:0
418	97	7	01:39:53.666	488AV6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,773,613	89:0
419	97	7	06:21:45.000	488AW6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,773,892	67:0
420	97	7	07:36:48.333	488AW6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,773,966	88:0
421	97	7	07:42:49.000	488AW6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,773,972	83:0
422	97	7	09:30:47.000	488AW6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,774,079	63:0
423	97	7	14:42:29.666	488AX6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,774,387	89:0
424	97	7	16:20:46.333	488AX6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,774,485	16:0
425	97	7	19:35:21.000	488AX6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,774,677	56:0
426	97	7	20:07:21.000	488AX6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,774,709	24:0
427	97	7	20:39:21.000	488AX6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,774,740	83:0
428	97	7	21:39:05.000	488AY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,774,799	90:0
429	97	7	23:57:44.933	488AY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,774,937	12:0
430	97	8	06:21:44.933	488AZ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,775,316	83:0
431	97	8	06:46:28.933	488AZ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,775,341	34:0
432	97	8	07:02:16.933	488AZ6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,775,357	00:0
433	97	8	07:59:55.600	476AA6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,775,414	01:0
434	97	8	10:50:46.266	488AZ6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,775,582	89:0
435	97	8	13:07:30.266	488BA6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,775,718	19:0
436	97	8	14:02:54.266	176T6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,775,773	00:0
437	97	8	14:05:00.266	41VH99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	4O0	4	0	3,775,775	07:0
438	**97**	**8**	**14:05:04.266**	**41VH3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,775,775**	**13:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	**97**	**8**	**14:05:14.266**	**41VH3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,775,775:28:0**	
440	**97**	**8**	**14:07:24.266**	**41VH3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,775,777:41:0**	
441	**97**	**8**	**14:07:34.266**	**41VH3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,775,777:56:0**	
442	**97**	**8**	**14:07:44.266**	**41VH3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,775,777:71:0**	
443	**97**	**8**	**14:07:54.266**	**41VH3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,775,777:86:0**	
444	97	8	14:40:02.266	490UI412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	3,775,809:66:0	
445	97	8	14:45:00.266	490UI412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,775,814:58:0	
446	97	8	14:49:10.266	490UI412A4E	7VECT	RTH	Inert vect update UTC	4O0	4	0	3,775,818:69:0	
447	97	8	14:49:14.266	490UI412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	3,775,818:75:0	
448	97	8	14:53:02.266	490UI412A406A4A	7STAR	1,3000,95.710999	Star catalog update	4O0	4	0	3,775,822:53:0	
449	97	8	14:53:04.266	490UI412A406A4B	7STAR	2,770,213.33,19.	Star catalog update	4O0	4	0	3,775,822:56:0	
450	97	8	14:53:06.266	490UI412A406A4C	7STAR	31,051,200.64	Star catalog update	4O0	4	0	3,775,822:59:0	
451	97	8	14:53:08.266	490UI412A406A4D	7STAR	4,464,190.74	Star catalog update	4O0	4	0	3,775,822:62:0	
452	97	8	14:53:10.266	490UI412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	3,775,822:65:0	
453	97	8	14:53:12.266	490UI412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	3,775,822:68:0	
454	97	8	16:00:12.933	490UI412A4L	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,775,889:02:0	
455	97	8	16:25:46.266	488BA6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,775,914:27:0	
456	97	8	19:15:00.266	488BB6A	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,776,081:61:0	
457	97	8	19:18:00.266	20YB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,776,084:58:0	
458	97	8	19:19:00.266	20YB4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	3,776,085:57:0	
459	97	8	19:21:00.266	20YB4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,776,087:55:0	
460	97	8	19:26:30.266	20YB4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	3,776,093:04:0	
461	97	8	19:26:30.933	20YB4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	3,776,093:05:0	
462	97	8	19:26:50.933	20YB4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	3,776,093:35:0	
463	97	8	19:26:51.600	20YB4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	3,776,093:36:0	
464	97	8	19:27:11.600	20YB4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	3,776,093:66:0	
465	97	8	19:27:12.266	20YB4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	3,776,093:67:0	
466	97	8	19:27:22.266	20YB4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	3,776,093:82:0	
467	97	8	19:27:22.933	20YB4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	3,776,093:83:0	
468	97	8	19:27:32.933	20YB4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	3,776,094:07:0	
469	97	8	19:27:33.600	20YB4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	3,776,094:08:0	
470	97	8	19:29:20.266	20YB4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	3,776,095:77:0	
471	97	8	19:29:20.933	20YB4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	3,776,095:78:0	
472	97	8	19:29:40.933	20YB4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	3,776,096:17:0	
473	97	8	19:29:41.600	20YB4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	3,776,096:18:0	
474	97	8	19:30:01.600	20YB4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	3,776,096:48:0	
475	97	8	19:30:02.266	20YB4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	3,776,096:49:0	
476	97	8	19:30:58.933	20YB4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,776,097:43:0	
477	97	8	19:56:00.266	41UF99A	**POWER**	**PWR MODE change**	Change to Playback Mode	4O0	4	0	3,776,122:20:0	
478	**97**	**8**	**19:56:04.266**	**41UF3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,776,122:26:0**	
479	**97**	**8**	**19:56:14.266**	**41UF3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,776,122:41:0**	
480	**97**	**8**	**19:56:24.266**	**41UF3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,776,122:56:0**	
481	**97**	**8**	**19:56:34.266**	**41UF3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,776,122:71:0**	
482	**97**	**8**	**19:58:44.266**	**41UF3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,776,124:84:0**	
483	**97**	**8**	**19:58:54.266**	**41UF3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,776,125:08:0**	
484	**97**	**8**	**19:59:04.266**	**33S3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,776,125:23:0**	
485	**97**	**8**	**19:59:14.266**	**33T3A**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,776,125:38:0**	
486	**97**	**8**	**19:59:24.266**	**33U3A**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,776,125:53:0**	
487	97	8	20:00:56.933	488BB6B	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	3,776,127:10:0	
488	97	8	20:22:04.266	20XF4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,776,148:00:0	
489	97	8	20:22:54.266	20XF4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,776,148:75:0	
490	97	8	20:24:05.600	176AL6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,776,150:00:0	
491	97	8	21:23:00.266	488BB6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,776,208:24:0	
492	97	8	21:39:04.933	488BB6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,776,224:15:0	
493	97	8	22:15:20.933	488BB6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,776,260:03:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	97	8	23:02:16.933	488BC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,776,306:41:0	
495	97	8	23:53:28.933	488BC6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,776,357:08:0	
496	97	9	06:17:28.866	488BD6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,776,736:79:0	
497	97	9	07:22:30.200	488BD6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,776,801:16:0	
498	97	9	10:10:46.200	488BD6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,776,967:54:0	
499	97	9	13:47:30.200	488BE6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,777,181:86:0	
500	97	9	16:45:46.200	488BE6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,777,358:23:0	
501	97	9	19:54:32.866	488BF6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,777,544:87:0	
502	97	9	21:34:48.866	488BF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,777,644:11:0	
503	97	9	23:47:04.866	488BF6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,777,774:85:0	
504	97	10	06:13:12.866	488BG6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,778,156:75:0	
505	97	10	07:07:30.200	488BG6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,778,210:47:0	
506	97	10	20:20:46.133	488BH6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,778,995:06:0	
507	97	10	21:34:48.800	488BH6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,779,068:27:0	
508	97	11	06:13:12.800	488BI6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,779,581:00:0	
509	97	11	06:57:30.133	488BI6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,779,624:73:0	
510	97	11	20:35:46.066	488BJ6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,780,434:07:0	
511	97	11	22:04:40.733	488BJ6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,780,522:01:0	
512	97	12	02:39:41.400	176B6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,780,794:00:0	
513	97	12	02:44:44.733	465A6A	6DMST	2789	DMS Slew to TIC	4O0	4	0	3,780,799:00:0	
514	97	12	02:44:44.733		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 526.00 +/-	4O0	4	0	3,780,799:00:0	
515	97	12	02:49:47.400	432LB431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	3,780,803:90:0	
516	**97**	**12**	**02:49:48.066**	**432LB6B**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**4O0**	**4**	**0**	**3,780,804:00:0**	
517	97	12	02:49:48.066	432LB6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,780,804:00:0	
518	97	12	04:54:16.733	488BK6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,780,927:10:0	
519	97	13	06:00:00.000	481UE4A	7VECT		Inert vect update UTC	4O0	4	0	3,782,416:26:0	
520	97	16	04:59:59.866	481UB4A	7VECT		Inert vect update UTC	4O0	4	0	3,786,629:43:0	
521	**97**	**18**	**23:48:40.000**	**E4NNMEMCHK01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
522	**97**	**18**	**23:49:39.066**	**20DA6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14B3**	**4O0**	**4**	**0**	**3,790,595:06:0**	
523	**97**	**18**	**23:51:40.400**	**20DA5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4O0**	**4**	**0**	**3,790,597:06:0**	
524	**97**	**18**	**23:52:41.066**	**20DA5B**	**37MRL**		**Memory Realocate (software operates from R**	**4O0**	**4**	**0**	**3,790,598:06:0**	
525	**97**	**18**	**23:53:41.733**	**20DA6C**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4O0**	**4**	**0**	**3,790,599:06:0**	
526	**97**	**18**	**23:54:42.400**	**20DA6D**	**6MCOPY**	**NIMS**	**NIMS,14B4,LLM1A,78A0,791F**	**4O0**	**4**	**0**	**3,790,600:06:0**	
527	**97**	**18**	**23:55:43.066**	**20DA6E**	**6MCOPY**	**NIMS**	**NIMS,1534,LLM1A,78A0,791F**	**4O0**	**4**	**0**	**3,790,601:06:0**	
528	**97**	**18**	**23:56:43.733**	**20DA6B**	**6MCOPY**	**NIMS**	**NIMS,15B4,LLM1A,78A0,78DC**	**4O0**	**4**	**0**	**3,790,602:06:0**	
529	**97**	**18**	**23:57:44.400**	**20DA6F**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4O0**	**4**	**0**	**3,790,603:06:0**	
530	**97**	**19**	**00:00:46.400**	**20DB6E**	**6MCOPY**	**NIMS**	**NIMS,18FE,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,790,606:06:0**	
531	**97**	**19**	**00:01:47.066**	**20DB6A**	**6CKSUM**	**NIMS**	**NIMS,1000,1258**	**4O0**	**4**	**0**	**3,790,607:06:0**	
532	**97**	**19**	**00:02:47.733**	**20DB6B**	**6MCOPY**	**NIMS**	**NIMS,1800,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,790,608:06:0**	
533	**97**	**19**	**00:03:48.400**	**20DB6C**	**6CKSUM**	**NIMS**	**NIMS,1259,14B3**	**4O0**	**4**	**0**	**3,790,609:06:0**	
534	**97**	**19**	**00:04:49.066**	**20DB6D**	**6MCOPY**	**NIMS**	**NIMS,1801,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,790,610:06:0**	
535	**97**	**19**	**01:02:27.066**	**20DC6A**	**6CKSUM**	**NIMS**	**NIMS,1000,1258**	**4O0**	**4**	**0**	**3,790,667:06:0**	
536	**97**	**19**	**01:03:27.733**	**20DC6B**	**6MCOPY**	**NIMS**	**NIMS,1802,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,790,668:06:0**	
537	**97**	**19**	**01:04:28.400**	**20DC6C**	**6CKSUM**	**NIMS**	**NIMS,1259,14B3**	**4O0**	**4**	**0**	**3,790,669:06:0**	
538	**97**	**19**	**01:05:29.066**	**20DC6D**	**6MCOPY**	**NIMS**	**NIMS,1803,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,790,670:06:0**	
539	**97**	**19**	**02:03:07.066**	**20DD6A**	**6CKSUM**	**NIMS**	**NIMS,1000,1258**	**4O0**	**4**	**0**	**3,790,727:06:0**	
540	**97**	**19**	**02:04:07.733**	**20DD6B**	**6MCOPY**	**NIMS**	**NIMS,1804,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,790,728:06:0**	
541	**97**	**19**	**02:05:08.400**	**20DD6C**	**6CKSUM**	**NIMS**	**NIMS,1259,14B3**	**4O0**	**4**	**0**	**3,790,729:06:0**	
542	**97**	**19**	**02:06:09.066**	**20DD6D**	**6MCOPY**	**NIMS**	**NIMS,1805,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,790,730:06:0**	
543	**97**	**19**	**03:03:47.066**	**20DE6A**	**6CKSUM**	**NIMS**	**NIMS,1000,1258**	**4O0**	**4**	**0**	**3,790,787:06:0**	
544	**97**	**19**	**03:04:47.733**	**20DE6B**	**6MCOPY**	**NIMS**	**NIMS,1806,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,790,788:06:0**	
545	**97**	**19**	**03:05:48.400**	**20DE6C**	**6CKSUM**	**NIMS**	**NIMS,1259,14B3**	**4O0**	**4**	**0**	**3,790,789:06:0**	
546	**97**	**19**	**03:06:49.066**	**20DE6D**	**6MCOPY**	**NIMS**	**NIMS,1807,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,790,790:06:0**	
547	**97**	**19**	**04:04:27.066**	**20DF6A**	**6CKSUM**	**NIMS**	**NIMS,1000,112C**	**4O0**	**4**	**0**	**3,790,847:06:0**	
548	**97**	**19**	**04:05:27.733**	**20DF6B**	**6MCOPY**	**NIMS**	**NIMS,1808,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,790,848:06:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	97	19	04:06:28.400	20DF6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,790,849:06:0	
550	97	19	04:07:29.066	20DF6D	6MCOPY	NIMS	NIMS,1809,LLM1A,2282,2283	4O0	4	0	3,790,850:06:0	
551	97	19	04:08:29.733	20DF6E	6CKSUM	NIMS	NIMS,1259,1384	4O0	4	0	3,790,851:06:0	
552	97	19	04:09:30.400	20DF6F	6MCOPY	NIMS	NIMS,180A,LLM1A,2282,2283	4O0	4	0	3,790,852:06:0	
553	97	19	04:10:31.066	20DF6G	6CKSUM	NIMS	NIMS,1385,14B3	4O0	4	0	3,790,853:06:0	
554	97	19	04:11:31.733	20DF6H	6MCOPY	NIMS	NIMS,180B,LLM1A,2282,2283	4O0	4	0	3,790,854:06:0	
555	97	19	05:05:07.066	20DG6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,790,907:06:0	
556	97	19	05:06:07.733	20DG6B	6MCOPY	NIMS	NIMS,180C,LLM1A,2282,2283	4O0	4	0	3,790,908:06:0	
557	97	19	05:07:08.400	20DG6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,790,909:06:0	
558	97	19	05:08:09.066	20DG6D	6MCOPY	NIMS	NIMS,180D,LLM1A,2282,2283	4O0	4	0	3,790,910:06:0	
559	97	19	05:09:09.733	20DG6E	6CKSUM	NIMS	NIMS,1259,1384	4O0	4	0	3,790,911:06:0	
560	97	19	05:10:10.400	20DG6F	6MCOPY	NIMS	NIMS,180E,LLM1A,2282,2283	4O0	4	0	3,790,912:06:0	
561	97	19	05:11:11.066	20DG6G	6CKSUM	NIMS	NIMS,1385,14B3	4O0	4	0	3,790,913:06:0	
562	97	19	05:12:11.733	20DG6H	6MCOPY	NIMS	NIMS,180F,LLM1A,2282,2283	4O0	4	0	3,790,914:06:0	
563	97	19	06:05:47.066	20DH6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,790,967:06:0	
564	97	19	06:06:47.666	20DH6B	6MCOPY	NIMS	NIMS,1810,LLM1A,2282,2283	4O0	4	0	3,790,968:06:0	
565	97	19	06:07:48.333	20DH6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,790,969:06:0	
566	97	19	06:08:49.000	20DH6D	6MCOPY	NIMS	NIMS,1811,LLM1A,2282,2283	4O0	4	0	3,790,970:06:0	
567	97	19	06:09:49.666	20DH6E	6CKSUM	NIMS	NIMS,1259,1384	4O0	4	0	3,790,971:06:0	
568	97	19	06:10:50.333	20DH6F	6MCOPY	NIMS	NIMS,1812,LLM1A,2282,2283	4O0	4	0	3,790,972:06:0	
569	97	19	06:11:51.000	20DH6G	6CKSUM	NIMS	NIMS,1385,14B3	4O0	4	0	3,790,973:06:0	
570	97	19	06:12:51.666	20DH6H	6MCOPY	NIMS	NIMS,1813,LLM1A,2282,2283	4O0	4	0	3,790,974:06:0	
571	97	19	07:06:27.000	20DI6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,791,027:06:0	
572	97	19	07:07:27.666	20DI6B	6MCOPY	NIMS	NIMS,1814,LLM1A,2282,2283	4O0	4	0	3,791,028:06:0	
573	97	19	07:08:28.333	20DI6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,791,029:06:0	
574	97	19	07:09:29.000	20DI6D	6MCOPY	NIMS	NIMS,1815,LLM1A,2282,2283	4O0	4	0	3,791,030:06:0	
575	97	19	07:10:29.666	20DI6E	6CKSUM	NIMS	NIMS,1259,1384	4O0	4	0	3,791,031:06:0	
576	97	19	07:11:30.333	20DI6F	6MCOPY	NIMS	NIMS,1816,LLM1A,2282,2283	4O0	4	0	3,791,032:06:0	
577	97	19	07:12:31.000	20DI6G	6CKSUM	NIMS	NIMS,1385,14B3	4O0	4	0	3,791,033:06:0	
578	97	19	07:13:31.666	20DI6H	6MCOPY	NIMS	NIMS,1817,LLM1A,2282,2283	4O0	4	0	3,791,034:06:0	
579	97	19	08:07:07.000	20DJ6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,791,087:06:0	
580	97	19	08:08:07.666	20DJ6B	6MCOPY	NIMS	NIMS,1818,LLM1A,2282,2283	4O0	4	0	3,791,088:06:0	
581	97	19	08:09:08.333	20DJ6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,791,089:06:0	
582	97	19	08:10:09.000	20DJ6D	6MCOPY	NIMS	NIMS,1819,LLM1A,2282,2283	4O0	4	0	3,791,090:06:0	
583	97	19	08:11:09.666	20DJ6E	6CKSUM	NIMS	NIMS,1259,1384	4O0	4	0	3,791,091:06:0	
584	97	19	08:12:10.333	20DJ6F	6MCOPY	NIMS	NIMS,181A,LLM1A,2282,2283	4O0	4	0	3,791,092:06:0	
585	97	19	08:13:11.000	20DJ6G	6CKSUM	NIMS	NIMS,1385,14B3	4O0	4	0	3,791,093:06:0	
586	97	19	08:14:11.666	20DJ6H	6MCOPY	NIMS	NIMS,181B,LLM1A,2282,2283	4O0	4	0	3,791,094:06:0	
587	97	19	09:07:47.000	20DK6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,791,147:06:0	
588	97	19	09:08:47.666	20DK6B	6MCOPY	NIMS	NIMS,181C,LLM1A,2282,2283	4O0	4	0	3,791,148:06:0	
589	97	19	09:09:48.333	20DK6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,791,149:06:0	
590	97	19	09:10:49.000	20DK6D	6MCOPY	NIMS	NIMS,181D,LLM1A,2282,2283	4O0	4	0	3,791,150:06:0	
591	97	19	09:11:49.666	20DK6E	6CKSUM	NIMS	NIMS,1259,1384	4O0	4	0	3,791,151:06:0	
592	97	19	09:12:50.333	20DK6F	6MCOPY	NIMS	NIMS,181E,LLM1A,2282,2283	4O0	4	0	3,791,152:06:0	
593	97	19	09:13:51.000	20DK6G	6CKSUM	NIMS	NIMS,1385,14B3	4O0	4	0	3,791,153:06:0	
594	97	19	09:14:51.666	20DK6H	6MCOPY	NIMS	NIMS,181F,LLM1A,2282,2283	4O0	4	0	3,791,154:06:0	
595	97	19	10:08:27.000	20DL6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,791,207:06:0	
596	97	19	10:09:27.666	20DL6B	6MCOPY	NIMS	NIMS,1820,LLM1A,2282,2283	4O0	4	0	3,791,208:06:0	
597	97	19	10:10:28.333	20DL6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,791,209:06:0	
598	97	19	10:11:29.000	20DL6D	6MCOPY	NIMS	NIMS,1821,LLM1A,2282,2283	4O0	4	0	3,791,210:06:0	
599	97	19	10:12:29.666	20DL6E	6CKSUM	NIMS	NIMS,1259,1384	4O0	4	0	3,791,211:06:0	
600	97	19	10:13:30.333	20DL6F	6MCOPY	NIMS	NIMS,1822,LLM1A,2282,2283	4O0	4	0	3,791,212:06:0	
601	97	19	10:14:31.000	20DL6G	6CKSUM	NIMS	NIMS,1385,14B3	4O0	4	0	3,791,213:06:0	
602	97	19	10:15:31.666	20DL6H	6MCOPY	NIMS	NIMS,1823,LLM1A,2282,2283	4O0	4	0	3,791,214:06:0	
603	97	19	11:09:07.000	20DM6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,791,267:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	97	19	11:10:07.666	20DM6B	6MCOPY	NIMS	NIMS,1824,LLM1A,2282,2283	4O0	4	0	3,791,268:06:0	
605	97	19	11:11:08.333	20DM6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,791,269:06:0	
606	97	19	11:12:09.000	20DM6D	6MCOPY	NIMS	NIMS,1825,LLM1A,2282,2283	4O0	4	0	3,791,270:06:0	
607	97	19	11:13:09.666	20DM6E	6CKSUM	NIMS	NIMS,1259,1384	4O0	4	0	3,791,271:06:0	
608	97	19	11:14:10.333	20DM6F	6MCOPY	NIMS	NIMS,1826,LLM1A,2282,2283	4O0	4	0	3,791,272:06:0	
609	97	19	11:15:11.000	20DM6G	6CKSUM	NIMS	NIMS,1385,14B3	4O0	4	0	3,791,273:06:0	
610	97	19	11:16:11.666	20DM6H	6MCOPY	NIMS	NIMS,1827,LLM1A,2282,2283	4O0	4	0	3,791,274:06:0	
611	97	19	12:09:47.000	20DN6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,791,327:06:0	
612	97	19	12:10:47.666	20DN6B	6MCOPY	NIMS	NIMS,1828,LLM1A,2282,2283	4O0	4	0	3,791,328:06:0	
613	97	19	12:11:48.333	20DN6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,791,329:06:0	
614	97	19	12:12:49.000	20DN6D	6MCOPY	NIMS	NIMS,1829,LLM1A,2282,2283	4O0	4	0	3,791,330:06:0	
615	97	19	12:13:49.666	20DN6E	6CKSUM	NIMS	NIMS,1259,1372	4O0	4	0	3,791,331:06:0	
616	97	19	12:14:50.333	20DN6F	6MCOPY	NIMS	NIMS,182A,LLM1A,2282,2283	4O0	4	0	3,791,332:06:0	
617	97	19	12:15:51.000	20DN6G	6CKSUM	NIMS	NIMS,1373,14B3	4O0	4	0	3,791,333:06:0	
618	97	19	12:16:51.666	20DN6H	6MCOPY	NIMS	NIMS,182B,LLM1A,2282,2283	4O0	4	0	3,791,334:06:0	
619	97	19	13:10:27.000	20DO6A	6CKSUM	NIMS	NIMS,1000,10C8	4O0	4	0	3,791,387:06:0	
620	97	19	13:11:27.666	20DO6B	6MCOPY	NIMS	NIMS,182C,LLM1A,2282,2283	4O0	4	0	3,791,388:06:0	
621	97	19	13:12:28.333	20DO6C	6CKSUM	NIMS	NIMS,10C9,1190	4O0	4	0	3,791,389:06:0	
622	97	19	13:13:29.000	20DO6D	6MCOPY	NIMS	NIMS,182D,LLM1A,2282,2283	4O0	4	0	3,791,390:06:0	
623	97	19	13:14:29.666	20DO6E	6CKSUM	NIMS	NIMS,1191,1258	4O0	4	0	3,791,391:06:0	
624	97	19	13:15:30.333	20DO6F	6MCOPY	NIMS	NIMS,182E,LLM1A,2282,2283	4O0	4	0	3,791,392:06:0	
625	97	19	13:16:31.000	20DO6G	6CKSUM	NIMS	NIMS,1259,1320	4O0	4	0	3,791,393:06:0	
626	97	19	13:17:31.666	20DO6H	6MCOPY	NIMS	NIMS,182F,LLM1A,2282,2283	4O0	4	0	3,791,394:06:0	
627	97	19	13:18:32.333	20DO6I	6CKSUM	NIMS	NIMS,1321,13E7	4O0	4	0	3,791,395:06:0	
628	97	19	13:19:33.000	20DO6J	6MCOPY	NIMS	NIMS,1830,LLM1A,2282,2283	4O0	4	0	3,791,396:06:0	
629	97	19	13:20:33.666	20DO6K	6CKSUM	NIMS	NIMS,13E8,14B3	4O0	4	0	3,791,397:06:0	
630	97	19	13:21:34.333	20DO6L	6MCOPY	NIMS	NIMS,1831,LLM1A,2282,2283	4O0	4	0	3,791,398:06:0	
631	97	19	14:11:07.000	20DP6A	6CKSUM	NIMS	NIMS,1000,10C8	4O0	4	0	3,791,447:06:0	
632	97	19	14:12:07.666	20DP6B	6MCOPY	NIMS	NIMS,1832,LLM1A,2282,2283	4O0	4	0	3,791,448:06:0	
633	97	19	14:13:08.333	20DP6C	6CKSUM	NIMS	NIMS,10C9,1190	4O0	4	0	3,791,449:06:0	
634	97	19	14:14:09.000	20DP6D	6MCOPY	NIMS	NIMS,1833,LLM1A,2282,2283	4O0	4	0	3,791,450:06:0	
635	97	19	14:15:09.666	20DP6E	6CKSUM	NIMS	NIMS,1191,1258	4O0	4	0	3,791,451:06:0	
636	97	19	14:16:10.333	20DP6F	6MCOPY	NIMS	NIMS,1834,LLM1A,2282,2283	4O0	4	0	3,791,452:06:0	
637	97	19	14:17:11.000	20DP6G	6CKSUM	NIMS	NIMS,1259,1320	4O0	4	0	3,791,453:06:0	
638	97	19	14:18:11.666	20DP6H	6MCOPY	NIMS	NIMS,1835,LLM1A,2282,2283	4O0	4	0	3,791,454:06:0	
639	97	19	14:19:12.333	20DP6I	6CKSUM	NIMS	NIMS,1321,13E7	4O0	4	0	3,791,455:06:0	
640	97	19	14:20:13.000	20DP6J	6MCOPY	NIMS	NIMS,1836,LLM1A,2282,2283	4O0	4	0	3,791,456:06:0	
641	97	19	14:21:13.666	20DP6K	6CKSUM	NIMS	NIMS,13E8,14B3	4O0	4	0	3,791,457:06:0	
642	97	19	14:22:14.333	20DP6L	6MCOPY	NIMS	NIMS,1837,LLM1A,2282,2283	4O0	4	0	3,791,458:06:0	
643	97	19	15:11:47.000	20DQ6A	6CKSUM	NIMS	NIMS,1000,10C8	4O0	4	0	3,791,507:06:0	
644	97	19	15:12:47.666	20DQ6B	6MCOPY	NIMS	NIMS,1838,LLM1A,2282,2283	4O0	4	0	3,791,508:06:0	
645	97	19	15:13:48.333	20DQ6C	6CKSUM	NIMS	NIMS,10C9,1190	4O0	4	0	3,791,509:06:0	
646	97	19	15:14:49.000	20DQ6D	6MCOPY	NIMS	NIMS,1839,LLM1A,2282,2283	4O0	4	0	3,791,510:06:0	
647	97	19	15:15:49.666	20DQ6E	6CKSUM	NIMS	NIMS,1191,1258	4O0	4	0	3,791,511:06:0	
648	97	19	15:16:50.333	20DQ6F	6MCOPY	NIMS	NIMS,183A,LLM1A,2282,2283	4O0	4	0	3,791,512:06:0	
649	97	19	15:17:51.000	20DQ6G	6CKSUM	NIMS	NIMS,1259,1320	4O0	4	0	3,791,513:06:0	
650	97	19	15:18:51.666	20DQ6H	6MCOPY	NIMS	NIMS,183B,LLM1A,2282,2283	4O0	4	0	3,791,514:06:0	
651	97	19	15:19:52.333	20DQ6I	6CKSUM	NIMS	NIMS,1321,13E7	4O0	4	0	3,791,515:06:0	
652	97	19	15:20:53.000	20DQ6J	6MCOPY	NIMS	NIMS,183C,LLM1A,2282,2283	4O0	4	0	3,791,516:06:0	
653	97	19	15:21:53.666	20DQ6K	6CKSUM	NIMS	NIMS,13E8,14B3	4O0	4	0	3,791,517:06:0	
654	97	19	15:22:54.333	20DQ6L	6MCOPY	NIMS	NIMS,183D,LLM1A,2282,2283	4O0	4	0	3,791,518:06:0	
655	97	19	16:12:27.000	20DR6A	6CKSUM	NIMS	NIMS,1000,10C8	4O0	4	0	3,791,567:06:0	
656	97	19	16:13:27.666	20DR6B	6MCOPY	NIMS	NIMS,183E,LLM1A,2282,2283	4O0	4	0	3,791,568:06:0	
657	97	19	16:14:28.333	20DR6C	6CKSUM	NIMS	NIMS,10C9,1190	4O0	4	0	3,791,569:06:0	
658	97	19	16:15:29.000	20DR6D	6MCOPY	NIMS	NIMS,183F,LLM1A,2282,2283	4O0	4	0	3,791,570:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	97	19	16:16:29.666	20DR6E	6CKSUM	NIMS	NIMS,1191,1258	4O0	4	0	3,791,571:06:0	
660	97	19	16:17:30.333	20DR6F	6MCOPY	NIMS	NIMS,1840,LLM1A,2282,2283	4O0	4	0	3,791,572:06:0	
661	97	19	16:18:31.000	20DR6G	6CKSUM	NIMS	NIMS,1259,1320	4O0	4	0	3,791,573:06:0	
662	97	19	16:19:31.666	20DR6H	6MCOPY	NIMS	NIMS,1841,LLM1A,2282,2283	4O0	4	0	3,791,574:06:0	
663	97	19	16:20:32.333	20DR6I	6CKSUM	NIMS	NIMS,1321,13E7	4O0	4	0	3,791,575:06:0	
664	97	19	16:21:33.000	20DR6J	6MCOPY	NIMS	NIMS,1842,LLM1A,2282,2283	4O0	4	0	3,791,576:06:0	
665	97	19	16:22:33.666	20DR6K	6CKSUM	NIMS	NIMS,13E8,14B3	4O0	4	0	3,791,577:06:0	
666	97	19	16:23:34.333	20DR6L	6MCOPY	NIMS	NIMS,1843,LLM1A,2282,2283	4O0	4	0	3,791,578:06:0	
667	97	19	17:13:07.000	20DS6A	6CKSUM	NIMS	NIMS,1000,10C8	4O0	4	0	3,791,627:06:0	
668	97	19	17:14:07.666	20DS6B	6MCOPY	NIMS	NIMS,1844,LLM1A,2282,2283	4O0	4	0	3,791,628:06:0	
669	97	19	17:15:08.333	20DS6C	6CKSUM	NIMS	NIMS,10C9,1190	4O0	4	0	3,791,629:06:0	
670	97	19	17:16:09.000	20DS6D	6MCOPY	NIMS	NIMS,1845,LLM1A,2282,2283	4O0	4	0	3,791,630:06:0	
671	97	19	17:17:09.666	20DS6E	6CKSUM	NIMS	NIMS,1191,1258	4O0	4	0	3,791,631:06:0	
672	97	19	17:18:10.333	20DS6F	6MCOPY	NIMS	NIMS,1846,LLM1A,2282,2283	4O0	4	0	3,791,632:06:0	
673	97	19	17:19:11.000	20DS6G	6CKSUM	NIMS	NIMS,1259,1320	4O0	4	0	3,791,633:06:0	
674	97	19	17:20:11.666	20DS6H	6MCOPY	NIMS	NIMS,1847,LLM1A,2282,2283	4O0	4	0	3,791,634:06:0	
675	97	19	17:21:12.333	20DS6I	6CKSUM	NIMS	NIMS,1321,13E7	4O0	4	0	3,791,635:06:0	
676	97	19	17:22:13.000	20DS6J	6MCOPY	NIMS	NIMS,1848,LLM1A,2282,2283	4O0	4	0	3,791,636:06:0	
677	97	19	17:23:13.666	20DS6K	6CKSUM	NIMS	NIMS,13E8,14B3	4O0	4	0	3,791,637:06:0	
678	97	19	17:24:14.333	20DS6L	6MCOPY	NIMS	NIMS,1849,LLM1A,2282,2283	4O0	4	0	3,791,638:06:0	
679	97	19	18:13:47.000	20DT6A	6CKSUM	NIMS	NIMS,1000,10C8	4O0	4	0	3,791,687:06:0	
680	97	19	18:14:47.666	20DT6B	6MCOPY	NIMS	NIMS,184A,LLM1A,2282,2283	4O0	4	0	3,791,688:06:0	
681	97	19	18:15:48.333	20DT6C	6CKSUM	NIMS	NIMS,10C9,1190	4O0	4	0	3,791,689:06:0	
682	97	19	18:16:49.000	20DT6D	6MCOPY	NIMS	NIMS,184B,LLM1A,2282,2283	4O0	4	0	3,791,690:06:0	
683	97	19	18:17:49.666	20DT6E	6CKSUM	NIMS	NIMS,1191,1258	4O0	4	0	3,791,691:06:0	
684	97	19	18:18:50.333	20DT6F	6MCOPY	NIMS	NIMS,184C,LLM1A,2282,2283	4O0	4	0	3,791,692:06:0	
685	97	19	18:19:51.000	20DT6G	6CKSUM	NIMS	NIMS,1259,1320	4O0	4	0	3,791,693:06:0	
686	97	19	18:20:51.666	20DT6H	6MCOPY	NIMS	NIMS,184D,LLM1A,2282,2283	4O0	4	0	3,791,694:06:0	
687	97	19	18:21:52.333	20DT6I	6CKSUM	NIMS	NIMS,1321,13E7	4O0	4	0	3,791,695:06:0	
688	97	19	18:22:53.000	20DT6J	6MCOPY	NIMS	NIMS,184E,LLM1A,2282,2283	4O0	4	0	3,791,696:06:0	
689	97	19	18:23:53.666	20DT6K	6CKSUM	NIMS	NIMS,13E8,14B3	4O0	4	0	3,791,697:06:0	
690	97	19	18:24:54.333	20DT6L	6MCOPY	NIMS	NIMS,184F,LLM1A,2282,2283	4O0	4	0	3,791,698:06:0	
691	97	19	19:14:27.000	20DU6A	6CKSUM	NIMS	NIMS,1000,1096	4O0	4	0	3,791,747:06:0	
692	97	19	19:15:27.666	20DU6B	6MCOPY	NIMS	NIMS,1850,LLM1A,2282,2283	4O0	4	0	3,791,748:06:0	
693	97	19	19:16:28.333	20DU6C	6CKSUM	NIMS	NIMS,1097,112C	4O0	4	0	3,791,749:06:0	
694	97	19	19:17:29.000	20DU6D	6MCOPY	NIMS	NIMS,1851,LLM1A,2282,2283	4O0	4	0	3,791,750:06:0	
695	97	19	19:18:29.666	20DU6E	6CKSUM	NIMS	NIMS,112D,11C2	4O0	4	0	3,791,751:06:0	
696	97	19	19:19:30.333	20DU6F	6MCOPY	NIMS	NIMS,1852,LLM1A,2282,2283	4O0	4	0	3,791,752:06:0	
697	97	19	19:20:31.000	20DU6G	6CKSUM	NIMS	NIMS,11C3,1258	4O0	4	0	3,791,753:06:0	
698	97	19	19:21:31.666	20DU6H	6MCOPY	NIMS	NIMS,1853,LLM1A,2282,2283	4O0	4	0	3,791,754:06:0	
699	97	19	19:22:32.333	20DU6I	6CKSUM	NIMS	NIMS,1259,12EE	4O0	4	0	3,791,755:06:0	
700	97	19	19:23:33.000	20DU6J	6MCOPY	NIMS	NIMS,1854,LLM1A,2282,2283	4O0	4	0	3,791,756:06:0	
701	97	19	19:24:33.666	20DU6K	6CKSUM	NIMS	NIMS,12EF,1384	4O0	4	0	3,791,757:06:0	
702	97	19	19:25:34.333	20DU6L	6MCOPY	NIMS	NIMS,1855,LLM1A,2282,2283	4O0	4	0	3,791,758:06:0	
703	97	19	19:26:35.000	20DU6M	6CKSUM	NIMS	NIMS,1385,141A	4O0	4	0	3,791,759:06:0	
704	97	19	19:27:35.666	20DU6N	6MCOPY	NIMS	NIMS,1856,LLM1A,2282,2283	4O0	4	0	3,791,760:06:0	
705	97	19	19:28:36.333	20DU6O	6CKSUM	NIMS	NIMS,141B,14B3	4O0	4	0	3,791,761:06:0	
706	97	19	19:29:37.000	20DU6P	6MCOPY	NIMS	NIMS,1857,LLM1A,2282,2283	4O0	4	0	3,791,762:06:0	
707	97	19	20:15:07.000	20DV6A	6CKSUM	NIMS	NIMS,1000,1096	4O0	4	0	3,791,807:06:0	
708	97	19	20:16:07.666	20DV6B	6MCOPY	NIMS	NIMS,1858,LLM1A,2282,2283	4O0	4	0	3,791,808:06:0	
709	97	19	20:17:08.333	20DV6C	6CKSUM	NIMS	NIMS,1097,112C	4O0	4	0	3,791,809:06:0	
710	97	19	20:18:09.000	20DV6D	6MCOPY	NIMS	NIMS,1859,LLM1A,2282,2283	4O0	4	0	3,791,810:06:0	
711	97	19	20:19:09.666	20DV6E	6CKSUM	NIMS	NIMS,112D,11C2	4O0	4	0	3,791,811:06:0	
712	97	19	20:20:10.333	20DV6F	6MCOPY	NIMS	NIMS,185A,LLM1A,2282,2283	4O0	4	0	3,791,812:06:0	
713	97	19	20:21:11.000	20DV6G	6CKSUM	NIMS	NIMS,11C3,1258	4O0	4	0	3,791,813:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	97	19	20:22:11.666	20DV6H	6MCOPY	NIMS	NIMS,185B,LLM1A,2282,2283	4O0	4	0	3,791,814:06:0	
715	97	19	20:23:12.333	20DV6I	6CKSUM	NIMS	NIMS,1259,12EE	4O0	4	0	3,791,815:06:0	
716	97	19	20:24:13.000	20DV6J	6MCOPY	NIMS	NIMS,185C,LLM1A,2282,2283	4O0	4	0	3,791,816:06:0	
717	97	19	20:25:13.666	20DV6K	6CKSUM	NIMS	NIMS,12EF,1384	4O0	4	0	3,791,817:06:0	
718	97	19	20:26:14.333	20DV6L	6MCOPY	NIMS	NIMS,185D,LLM1A,2282,2283	4O0	4	0	3,791,818:06:0	
719	97	19	20:27:15.000	20DV6M	6CKSUM	NIMS	NIMS,1385,141A	4O0	4	0	3,791,819:06:0	
720	97	19	20:28:15.666	20DV6N	6MCOPY	NIMS	NIMS,185E,LLM1A,2282,2283	4O0	4	0	3,791,820:06:0	
721	97	19	20:29:16.333	20DV6O	6CKSUM	NIMS	NIMS,141B,14B3	4O0	4	0	3,791,821:06:0	
722	97	19	20:30:17.000	20DV6P	6MCOPY	NIMS	NIMS,185F,LLM1A,2282,2283	4O0	4	0	3,791,822:06:0	
723	97	19	21:15:47.000	20DW6A	6CKSUM	NIMS	NIMS,1000,1096	4O0	4	0	3,791,867:06:0	
724	97	19	21:16:47.666	20DW6B	6MCOPY	NIMS	NIMS,1860,LLM1A,2282,2283	4O0	4	0	3,791,868:06:0	
725	97	19	21:17:48.333	20DW6C	6CKSUM	NIMS	NIMS,1097,112C	4O0	4	0	3,791,869:06:0	
726	97	19	21:18:49.000	20DW6D	6MCOPY	NIMS	NIMS,1861,LLM1A,2282,2283	4O0	4	0	3,791,870:06:0	
727	97	19	21:19:49.666	20DW6E	6CKSUM	NIMS	NIMS,112D,11C2	4O0	4	0	3,791,871:06:0	
728	97	19	21:20:50.333	20DW6F	6MCOPY	NIMS	NIMS,1862,LLM1A,2282,2283	4O0	4	0	3,791,872:06:0	
729	97	19	21:21:51.000	20DW6G	6CKSUM	NIMS	NIMS,11C3,1258	4O0	4	0	3,791,873:06:0	
730	97	19	21:22:51.666	20DW6H	6MCOPY	NIMS	NIMS,1863,LLM1A,2282,2283	4O0	4	0	3,791,874:06:0	
731	97	19	21:23:52.333	20DW6I	6CKSUM	NIMS	NIMS,1259,12EE	4O0	4	0	3,791,875:06:0	
732	97	19	21:24:53.000	20DW6J	6MCOPY	NIMS	NIMS,1864,LLM1A,2282,2283	4O0	4	0	3,791,876:06:0	
733	97	19	21:25:53.666	20DW6K	6CKSUM	NIMS	NIMS,12EF,1384	4O0	4	0	3,791,877:06:0	
734	97	19	21:26:54.333	20DW6L	6MCOPY	NIMS	NIMS,1865,LLM1A,2282,2283	4O0	4	0	3,791,878:06:0	
735	97	19	21:27:55.000	20DW6M	6CKSUM	NIMS	NIMS,1385,141A	4O0	4	0	3,791,879:06:0	
736	97	19	21:28:55.666	20DW6N	6MCOPY	NIMS	NIMS,1866,LLM1A,2282,2283	4O0	4	0	3,791,880:06:0	
737	97	19	21:29:56.333	20DW6O	6CKSUM	NIMS	NIMS,141B,14B3	4O0	4	0	3,791,881:06:0	
738	97	19	21:30:57.000	20DW6P	6MCOPY	NIMS	NIMS,1867,LLM1A,2282,2283	4O0	4	0	3,791,882:06:0	
739	97	19	22:16:27.000	20DX6A	6CKSUM	NIMS	NIMS,1000,1096	4O0	4	0	3,791,927:06:0	
740	97	19	22:17:27.666	20DX6B	6MCOPY	NIMS	NIMS,1868,LLM1A,2282,2283	4O0	4	0	3,791,928:06:0	
741	97	19	22:18:28.333	20DX6C	6CKSUM	NIMS	NIMS,1097,112C	4O0	4	0	3,791,929:06:0	
742	97	19	22:19:29.000	20DX6D	6MCOPY	NIMS	NIMS,1869,LLM1A,2282,2283	4O0	4	0	3,791,930:06:0	
743	97	19	22:20:29.666	20DX6E	6CKSUM	NIMS	NIMS,112D,11C2	4O0	4	0	3,791,931:06:0	
744	97	19	22:21:30.333	20DX6F	6MCOPY	NIMS	NIMS,186A,LLM1A,2282,2283	4O0	4	0	3,791,932:06:0	
745	97	19	22:22:31.000	20DX6G	6CKSUM	NIMS	NIMS,11C3,1258	4O0	4	0	3,791,933:06:0	
746	97	19	22:23:31.666	20DX6H	6MCOPY	NIMS	NIMS,186B,LLM1A,2282,2283	4O0	4	0	3,791,934:06:0	
747	97	19	22:24:32.333	20DX6I	6CKSUM	NIMS	NIMS,1259,12EE	4O0	4	0	3,791,935:06:0	
748	97	19	22:25:33.000	20DX6J	6MCOPY	NIMS	NIMS,186C,LLM1A,2282,2283	4O0	4	0	3,791,936:06:0	
749	97	19	22:26:33.666	20DX6K	6CKSUM	NIMS	NIMS,12EF,1384	4O0	4	0	3,791,937:06:0	
750	97	19	22:27:34.333	20DX6L	6MCOPY	NIMS	NIMS,186D,LLM1A,2282,2283	4O0	4	0	3,791,938:06:0	
751	97	19	22:28:35.000	20DX6M	6CKSUM	NIMS	NIMS,1385,141A	4O0	4	0	3,791,939:06:0	
752	97	19	22:29:35.666	20DX6N	6MCOPY	NIMS	NIMS,186E,LLM1A,2282,2283	4O0	4	0	3,791,940:06:0	
753	97	19	22:30:36.333	20DX6O	6CKSUM	NIMS	NIMS,141B,14B3	4O0	4	0	3,791,941:06:0	
754	97	19	22:31:37.000	20DX6P	6MCOPY	NIMS	NIMS,186F,LLM1A,2282,2283	4O0	4	0	3,791,942:06:0	
755	97	19	23:27:13.666	20DY6A	6CKSUM	NIMS	NIMS,1000,1096	4O0	4	0	3,791,997:06:0	
756	97	19	23:28:14.333	20DY6B	6MCOPY	NIMS	NIMS,1870,LLM1A,2282,2283	4O0	4	0	3,791,998:06:0	
757	97	19	23:29:15.000	20DY6C	6CKSUM	NIMS	NIMS,1097,112C	4O0	4	0	3,791,999:06:0	
758	97	19	23:30:15.666	20DY6D	6MCOPY	NIMS	NIMS,1871,LLM1A,2282,2283	4O0	4	0	3,792,000:06:0	
759	97	19	23:31:16.333	20DY6E	6CKSUM	NIMS	NIMS,112D,11C2	4O0	4	0	3,792,001:06:0	
760	97	19	23:32:17.000	20DY6F	6MCOPY	NIMS	NIMS,1872,LLM1A,2282,2283	4O0	4	0	3,792,002:06:0	
761	97	19	23:33:17.666	20DY6G	6CKSUM	NIMS	NIMS,11C3,1258	4O0	4	0	3,792,003:06:0	
762	97	19	23:34:18.333	20DY6H	6MCOPY	NIMS	NIMS,1873,LLM1A,2282,2283	4O0	4	0	3,792,004:06:0	
763	97	19	23:35:19.000	20DY6I	6CKSUM	NIMS	NIMS,1259,12EE	4O0	4	0	3,792,005:06:0	
764	97	19	23:36:19.666	20DY6J	6MCOPY	NIMS	NIMS,1874,LLM1A,2282,2283	4O0	4	0	3,792,006:06:0	
765	97	19	23:37:20.333	20DY6K	6CKSUM	NIMS	NIMS,12EF,1384	4O0	4	0	3,792,007:06:0	
766	97	19	23:38:21.000	20DY6L	6MCOPY	NIMS	NIMS,1875,LLM1A,2282,2283	4O0	4	0	3,792,008:06:0	
767	97	19	23:39:21.666	20DY6M	6CKSUM	NIMS	NIMS,1385,141A	4O0	4	0	3,792,009:06:0	
768	97	19	23:40:22.333	20DY6N	6MCOPY	NIMS	NIMS,1876,LLM1A,2282,2283	4O0	4	0	3,792,010:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	97	19	23:41:23.000	20DY6O	6CKSUM	NIMS	NIMS,141B,14B3	4O0	4	0	3,792,011	06:0
770	97	19	23:42:23.666	20DY6P	6MCOPY	NIMS	NIMS,1877,LLM1A,2282,2283	4O0	4	0	3,792,012	06:0
771	97	20	00:17:47.000	20DZ6A	6CKSUM	NIMS	NIMS,1000,1096	4O0	4	0	3,792,047	06:0
772	97	20	00:18:47.666	20DZ6B	6MCOPY	NIMS	NIMS,1878,LLM1A,2282,2283	4O0	4	0	3,792,048	06:0
773	97	20	00:19:48.333	20DZ6C	6CKSUM	NIMS	NIMS,1097,112C	4O0	4	0	3,792,049	06:0
774	97	20	00:20:49.000	20DZ6D	6MCOPY	NIMS	NIMS,1879,LLM1A,2282,2283	4O0	4	0	3,792,050	06:0
775	97	20	00:21:49.666	20DZ6E	6CKSUM	NIMS	NIMS,112D,11C2	4O0	4	0	3,792,051	06:0
776	97	20	00:22:50.333	20DZ6F	6MCOPY	NIMS	NIMS,187A,LLM1A,2282,2283	4O0	4	0	3,792,052	06:0
777	97	20	00:23:51.000	20DZ6G	6CKSUM	NIMS	NIMS,11C3,1258	4O0	4	0	3,792,053	06:0
778	97	20	00:24:51.666	20DZ6H	6MCOPY	NIMS	NIMS,187B,LLM1A,2282,2283	4O0	4	0	3,792,054	06:0
779	97	20	00:25:52.333	20DZ6I	6CKSUM	NIMS	NIMS,1259,12EE	4O0	4	0	3,792,055	06:0
780	97	20	00:26:53.000	20DZ6J	6MCOPY	NIMS	NIMS,187C,LLM1A,2282,2283	4O0	4	0	3,792,056	06:0
781	97	20	00:27:53.666	20DZ6K	6CKSUM	NIMS	NIMS,12EF,1384	4O0	4	0	3,792,057	06:0
782	97	20	00:28:54.333	20DZ6L	6MCOPY	NIMS	NIMS,187D,LLM1A,2282,2283	4O0	4	0	3,792,058	06:0
783	97	20	00:29:55.000	20DZ6M	6CKSUM	NIMS	NIMS,1385,141A	4O0	4	0	3,792,059	06:0
784	97	20	00:30:55.666	20DZ6N	6MCOPY	NIMS	NIMS,187E,LLM1A,2282,2283	4O0	4	0	3,792,060	06:0
785	97	20	00:31:56.333	20DZ6O	6CKSUM	NIMS	NIMS,141B,14B3	4O0	4	0	3,792,061	06:0
786	97	20	00:32:57.000	20DZ6P	6MCOPY	NIMS	NIMS,187F,LLM1A,2282,2283	4O0	4	0	3,792,062	06:0
787	97	20	01:05:00.333	481UD4A	7VECT	BB1	Inert vect update UTC	4O0	4	0	3,792,093	70:0
788	97	20	01:28:33.666	20EY6A	6CKSUM	NIMS	NIMS,1000,1096	4O0	4	0	3,792,117	06:0
789	97	20	01:29:34.333	20EY6B	6MCOPY	NIMS	NIMS,1880,LLM1A,2282,2283	4O0	4	0	3,792,118	06:0
790	97	20	01:30:35.000	20EY6C	6CKSUM	NIMS	NIMS,1097,112C	4O0	4	0	3,792,119	06:0
791	97	20	01:31:35.666	20EY6D	6MCOPY	NIMS	NIMS,1881,LLM1A,2282,2283	4O0	4	0	3,792,120	06:0
792	97	20	01:32:36.333	20EY6E	6CKSUM	NIMS	NIMS,112D,11C2	4O0	4	0	3,792,121	06:0
793	97	20	01:33:37.000	20EY6F	6MCOPY	NIMS	NIMS,1882,LLM1A,2282,2283	4O0	4	0	3,792,122	06:0
794	97	20	01:34:37.666	20EY6G	6CKSUM	NIMS	NIMS,11C3,1258	4O0	4	0	3,792,123	06:0
795	97	20	01:35:38.333	20EY6H	6MCOPY	NIMS	NIMS,1883,LLM1A,2282,2283	4O0	4	0	3,792,124	06:0
796	97	20	01:36:39.000	20EY6I	6CKSUM	NIMS	NIMS,1259,12EE	4O0	4	0	3,792,125	06:0
797	97	20	01:37:39.666	20EY6J	6MCOPY	NIMS	NIMS,1884,LLM1A,2282,2283	4O0	4	0	3,792,126	06:0
798	97	20	01:38:40.333	20EY6K	6CKSUM	NIMS	NIMS,12EF,1384	4O0	4	0	3,792,127	06:0
799	97	20	01:39:41.000	20EY6L	6MCOPY	NIMS	NIMS,1885,LLM1A,2282,2283	4O0	4	0	3,792,128	06:0
800	97	20	01:40:41.666	20EY6M	6CKSUM	NIMS	NIMS,1385,141A	4O0	4	0	3,792,129	06:0
801	97	20	01:41:42.333	20EY6N	6MCOPY	NIMS	NIMS,1886,LLM1A,2282,2283	4O0	4	0	3,792,130	06:0
802	97	20	01:42:43.000	20EY6O	6CKSUM	NIMS	NIMS,141B,14B3	4O0	4	0	3,792,131	06:0
803	97	20	01:43:43.666	20EY6P	6MCOPY	NIMS	NIMS,1887,LLM1A,2282,2283	4O0	4	0	3,792,132	06:0
804	97	20	02:39:20.333	20EX6A	6CKSUM	NIMS	NIMS,1000,1096	4O0	4	0	3,792,187	06:0
805	97	20	02:40:21.000	20EX6B	6MCOPY	NIMS	NIMS,1888,LLM1A,2282,2283	4O0	4	0	3,792,188	06:0
806	97	20	02:41:21.666	20EX6C	6CKSUM	NIMS	NIMS,1097,112C	4O0	4	0	3,792,189	06:0
807	97	20	02:42:22.333	20EX6D	6MCOPY	NIMS	NIMS,1889,LLM1A,2282,2283	4O0	4	0	3,792,190	06:0
808	97	20	02:43:23.000	20EX6E	6CKSUM	NIMS	NIMS,112D,11C2	4O0	4	0	3,792,191	06:0
809	97	20	02:44:23.666	20EX6F	6MCOPY	NIMS	NIMS,188A,LLM1A,2282,2283	4O0	4	0	3,792,192	06:0
810	97	20	02:45:24.333	20EX6G	6CKSUM	NIMS	NIMS,11C3,1258	4O0	4	0	3,792,193	06:0
811	97	20	02:46:25.000	20EX6H	6MCOPY	NIMS	NIMS,188B,LLM1A,2282,2283	4O0	4	0	3,792,194	06:0
812	97	20	02:47:25.666	20EX6I	6CKSUM	NIMS	NIMS,1259,12EE	4O0	4	0	3,792,195	06:0
813	97	20	02:48:26.333	20EX6J	6MCOPY	NIMS	NIMS,188C,LLM1A,2282,2283	4O0	4	0	3,792,196	06:0
814	97	20	02:49:27.000	20EX6K	6CKSUM	NIMS	NIMS,12EF,1384	4O0	4	0	3,792,197	06:0
815	97	20	02:50:27.666	20EX6L	6MCOPY	NIMS	NIMS,188D,LLM1A,2282,2283	4O0	4	0	3,792,198	06:0
816	97	20	02:51:28.333	20EX6M	6CKSUM	NIMS	NIMS,1385,141A	4O0	4	0	3,792,199	06:0
817	97	20	02:52:29.000	20EX6N	6MCOPY	NIMS	NIMS,188E,LLM1A,2282,2283	4O0	4	0	3,792,200	06:0
818	97	20	02:53:29.666	20EX6O	6CKSUM	NIMS	NIMS,141B,14B3	4O0	4	0	3,792,201	06:0
819	97	20	02:54:30.333	20EX6P	6MCOPY	NIMS	NIMS,188F,LLM1A,2282,2283	4O0	4	0	3,792,202	06:0
820	97	20	03:40:00.333	20EW6A	6CKSUM	NIMS	NIMS,1000,1096	4O0	4	0	3,792,247	06:0
821	97	20	03:41:01.000	20EW6B	6MCOPY	NIMS	NIMS,1890,LLM1A,2282,2283	4O0	4	0	3,792,248	06:0
822	97	20	03:42:01.666	20EW6C	6CKSUM	NIMS	NIMS,1097,112C	4O0	4	0	3,792,249	06:0
823	97	20	03:43:02.333	20EW6D	6MCOPY	NIMS	NIMS,1891,LLM1A,2282,2283	4O0	4	0	3,792,250	06:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	97	20	03:44:03.000	20EW6E	6CKSUM	NIMS	NIMS,112D,11C2	4O0	4	0	3,792,251:06:0	
825	97	20	03:45:03.666	20EW6F	6MCOPY	NIMS	NIMS,1892,LLM1A,2282,2283	4O0	4	0	3,792,252:06:0	
826	97	20	03:46:04.333	20EW6G	6CKSUM	NIMS	NIMS,11C3,1258	4O0	4	0	3,792,253:06:0	
827	97	20	03:47:05.000	20EW6H	6MCOPY	NIMS	NIMS,1893,LLM1A,2282,2283	4O0	4	0	3,792,254:06:0	
828	97	20	03:48:05.666	20EW6I	6CKSUM	NIMS	NIMS,1259,12EE	4O0	4	0	3,792,255:06:0	
829	97	20	03:49:06.333	20EW6J	6MCOPY	NIMS	NIMS,1894,LLM1A,2282,2283	4O0	4	0	3,792,256:06:0	
830	97	20	03:50:07.000	20EW6K	6CKSUM	NIMS	NIMS,12EF,1384	4O0	4	0	3,792,257:06:0	
831	97	20	03:51:07.666	20EW6L	6MCOPY	NIMS	NIMS,1895,LLM1A,2282,2283	4O0	4	0	3,792,258:06:0	
832	97	20	03:52:08.333	20EW6M	6CKSUM	NIMS	NIMS,1385,141A	4O0	4	0	3,792,259:06:0	
833	97	20	03:53:09.000	20EW6N	6MCOPY	NIMS	NIMS,1896,LLM1A,2282,2283	4O0	4	0	3,792,260:06:0	
834	97	20	03:54:09.666	20EW6O	6CKSUM	NIMS	NIMS,141B,14B3	4O0	4	0	3,792,261:06:0	
835	97	20	03:55:10.333	20EW6P	6MCOPY	NIMS	NIMS,1897,LLM1A,2282,2283	4O0	4	0	3,792,262:06:0	
836	97	20	04:40:40.333	20EV6A	6CKSUM	NIMS	NIMS,1000,1096	4O0	4	0	3,792,307:06:0	
837	97	20	04:41:41.000	20EV6B	6MCOPY	NIMS	NIMS,1898,LLM1A,2282,2283	4O0	4	0	3,792,308:06:0	
838	97	20	04:42:41.666	20EV6C	6CKSUM	NIMS	NIMS,1097,112C	4O0	4	0	3,792,309:06:0	
839	97	20	04:43:42.333	20EV6D	6MCOPY	NIMS	NIMS,1899,LLM1A,2282,2283	4O0	4	0	3,792,310:06:0	
840	97	20	04:44:43.000	20EV6E	6CKSUM	NIMS	NIMS,112D,11C2	4O0	4	0	3,792,311:06:0	
841	97	20	04:45:43.666	20EV6F	6MCOPY	NIMS	NIMS,189A,LLM1A,2282,2283	4O0	4	0	3,792,312:06:0	
842	97	20	04:46:44.333	20EV6G	6CKSUM	NIMS	NIMS,11C3,1258	4O0	4	0	3,792,313:06:0	
843	97	20	04:47:45.000	20EV6H	6MCOPY	NIMS	NIMS,189B,LLM1A,2282,2283	4O0	4	0	3,792,314:06:0	
844	97	20	04:48:45.666	20EV6I	6CKSUM	NIMS	NIMS,1259,12EE	4O0	4	0	3,792,315:06:0	
845	97	20	04:49:46.333	20EV6J	6MCOPY	NIMS	NIMS,189C,LLM1A,2282,2283	4O0	4	0	3,792,316:06:0	
846	97	20	04:50:47.000	20EV6K	6CKSUM	NIMS	NIMS,12EF,1384	4O0	4	0	3,792,317:06:0	
847	97	20	04:51:47.666	20EV6L	6MCOPY	NIMS	NIMS,189D,LLM1A,2282,2283	4O0	4	0	3,792,318:06:0	
848	97	20	04:52:48.333	20EV6M	6CKSUM	NIMS	NIMS,1385,141A	4O0	4	0	3,792,319:06:0	
849	97	20	04:53:49.000	20EV6N	6MCOPY	NIMS	NIMS,189E,LLM1A,2282,2283	4O0	4	0	3,792,320:06:0	
850	97	20	04:54:49.666	20EV6O	6CKSUM	NIMS	NIMS,141B,14B3	4O0	4	0	3,792,321:06:0	
851	97	20	04:55:50.333	20EV6P	6MCOPY	NIMS	NIMS,189F,LLM1A,2282,2283	4O0	4	0	3,792,322:06:0	
852	97	20	05:41:20.333	20EU6A	6CKSUM	NIMS	NIMS,1000,1096	4O0	4	0	3,792,367:06:0	
853	97	20	05:42:21.000	20EU6B	6MCOPY	NIMS	NIMS,18A0,LLM1A,2282,2283	4O0	4	0	3,792,368:06:0	
854	97	20	05:43:21.666	20EU6C	6CKSUM	NIMS	NIMS,1097,112C	4O0	4	0	3,792,369:06:0	
855	97	20	05:44:22.333	20EU6D	6MCOPY	NIMS	NIMS,18A1,LLM1A,2282,2283	4O0	4	0	3,792,370:06:0	
856	97	20	05:45:23.000	20EU6E	6CKSUM	NIMS	NIMS,112D,11C2	4O0	4	0	3,792,371:06:0	
857	97	20	05:46:23.666	20EU6F	6MCOPY	NIMS	NIMS,18A2,LLM1A,2282,2283	4O0	4	0	3,792,372:06:0	
858	97	20	05:47:24.333	20EU6G	6CKSUM	NIMS	NIMS,11C3,1258	4O0	4	0	3,792,373:06:0	
859	97	20	05:48:25.000	20EU6H	6MCOPY	NIMS	NIMS,18A3,LLM1A,2282,2283	4O0	4	0	3,792,374:06:0	
860	97	20	05:49:25.666	20EU6I	6CKSUM	NIMS	NIMS,1259,12EE	4O0	4	0	3,792,375:06:0	
861	97	20	05:50:26.333	20EU6J	6MCOPY	NIMS	NIMS,18A4,LLM1A,2282,2283	4O0	4	0	3,792,376:06:0	
862	97	20	05:51:27.000	20EU6K	6CKSUM	NIMS	NIMS,12EF,1384	4O0	4	0	3,792,377:06:0	
863	97	20	05:52:27.666	20EU6L	6MCOPY	NIMS	NIMS,18A5,LLM1A,2282,2283	4O0	4	0	3,792,378:06:0	
864	97	20	05:53:28.333	20EU6M	6CKSUM	NIMS	NIMS,1385,141A	4O0	4	0	3,792,379:06:0	
865	97	20	05:54:29.000	20EU6N	6MCOPY	NIMS	NIMS,18A6,LLM1A,2282,2283	4O0	4	0	3,792,380:06:0	
866	97	20	05:55:29.666	20EU6O	6CKSUM	NIMS	NIMS,141B,14B3	4O0	4	0	3,792,381:06:0	
867	97	20	05:56:30.333	20EU6P	6MCOPY	NIMS	NIMS,18A7,LLM1A,2282,2283	4O0	4	0	3,792,382:06:0	
868	97	20	06:42:00.333	20ET6A	6CKSUM	NIMS	NIMS,1000,10C8	4O0	4	0	3,792,427:06:0	
869	97	20	06:43:01.000	20ET6B	6MCOPY	NIMS	NIMS,18AA,LLM1A,2282,2283	4O0	4	0	3,792,428:06:0	
870	97	20	06:44:01.666	20ET6C	6CKSUM	NIMS	NIMS,10C9,1190	4O0	4	0	3,792,429:06:0	
871	97	20	06:45:02.333	20ET6D	6MCOPY	NIMS	NIMS,18AB,LLM1A,2282,2283	4O0	4	0	3,792,430:06:0	
872	97	20	06:46:03.000	20ET6E	6CKSUM	NIMS	NIMS,1191,1258	4O0	4	0	3,792,431:06:0	
873	97	20	06:47:03.666	20ET6F	6MCOPY	NIMS	NIMS,18AC,LLM1A,2282,2283	4O0	4	0	3,792,432:06:0	
874	97	20	06:48:04.333	20ET6G	6CKSUM	NIMS	NIMS,1259,1320	4O0	4	0	3,792,433:06:0	
875	97	20	06:49:05.000	20ET6H	6MCOPY	NIMS	NIMS,18AD,LLM1A,2282,2283	4O0	4	0	3,792,434:06:0	
876	97	20	06:50:05.666	20ET6I	6CKSUM	NIMS	NIMS,1321,13E7	4O0	4	0	3,792,435:06:0	
877	97	20	06:51:06.333	20ET6J	6MCOPY	NIMS	NIMS,18AE,LLM1A,2282,2283	4O0	4	0	3,792,436:06:0	
878	97	20	06:52:07.000	20ET6K	6CKSUM	NIMS	NIMS,13E8,14B3	4O0	4	0	3,792,437:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	97	20	06:53:07.666	20ET6L	6MCOPY	NIMS	NIMS,18AF,LLM1A,2282,2283	4O0	4	0	3,792,438:06:0	
880	97	20	07:42:40.333	20ES6A	6CKSUM	NIMS	NIMS,1000,10C8	4O0	4	0	3,792,487:06:0	
881	97	20	07:43:41.000	20ES6B	6MCOPY	NIMS	NIMS,18B0,LLM1A,2282,2283	4O0	4	0	3,792,488:06:0	
882	97	20	07:44:41.666	20ES6C	6CKSUM	NIMS	NIMS,10C9,1190	4O0	4	0	3,792,489:06:0	
883	97	20	07:45:42.333	20ES6D	6MCOPY	NIMS	NIMS,18B1,LLM1A,2282,2283	4O0	4	0	3,792,490:06:0	
884	97	20	07:46:43.000	20ES6E	6CKSUM	NIMS	NIMS,1191,1258	4O0	4	0	3,792,491:06:0	
885	97	20	07:47:43.666	20ES6F	6MCOPY	NIMS	NIMS,18B2,LLM1A,2282,2283	4O0	4	0	3,792,492:06:0	
886	97	20	07:48:44.333	20ES6G	6CKSUM	NIMS	NIMS,1259,1320	4O0	4	0	3,792,493:06:0	
887	97	20	07:49:45.000	20ES6H	6MCOPY	NIMS	NIMS,18B3,LLM1A,2282,2283	4O0	4	0	3,792,494:06:0	
888	97	20	07:50:45.666	20ES6I	6CKSUM	NIMS	NIMS,1321,13E7	4O0	4	0	3,792,495:06:0	
889	97	20	07:51:46.333	20ES6J	6MCOPY	NIMS	NIMS,18B4,LLM1A,2282,2283	4O0	4	0	3,792,496:06:0	
890	97	20	07:52:47.000	20ES6K	6CKSUM	NIMS	NIMS,13E8,14B3	4O0	4	0	3,792,497:06:0	
891	97	20	07:53:47.666	20ES6L	6MCOPY	NIMS	NIMS,18B5,LLM1A,2282,2283	4O0	4	0	3,792,498:06:0	
892	97	20	08:43:20.333	20ER6A	6CKSUM	NIMS	NIMS,1000,10C8	4O0	4	0	3,792,547:06:0	
893	97	20	08:44:21.000	20ER6B	6MCOPY	NIMS	NIMS,18B6,LLM1A,2282,2283	4O0	4	0	3,792,548:06:0	
894	97	20	08:45:21.666	20ER6C	6CKSUM	NIMS	NIMS,10C9,1190	4O0	4	0	3,792,549:06:0	
895	97	20	08:46:22.333	20ER6D	6MCOPY	NIMS	NIMS,18B7,LLM1A,2282,2283	4O0	4	0	3,792,550:06:0	
896	97	20	08:47:23.000	20ER6E	6CKSUM	NIMS	NIMS,1191,1258	4O0	4	0	3,792,551:06:0	
897	97	20	08:48:23.666	20ER6F	6MCOPY	NIMS	NIMS,18B8,LLM1A,2282,2283	4O0	4	0	3,792,552:06:0	
898	97	20	08:49:24.333	20ER6G	6CKSUM	NIMS	NIMS,1259,1320	4O0	4	0	3,792,553:06:0	
899	97	20	08:50:25.000	20ER6H	6MCOPY	NIMS	NIMS,18B9,LLM1A,2282,2283	4O0	4	0	3,792,554:06:0	
900	97	20	08:51:25.666	20ER6I	6CKSUM	NIMS	NIMS,1321,13E7	4O0	4	0	3,792,555:06:0	
901	97	20	08:52:26.333	20ER6J	6MCOPY	NIMS	NIMS,18BA,LLM1A,2282,2283	4O0	4	0	3,792,556:06:0	
902	97	20	08:53:27.000	20ER6K	6CKSUM	NIMS	NIMS,13E8,14B3	4O0	4	0	3,792,557:06:0	
903	97	20	08:54:27.666	20ER6L	6MCOPY	NIMS	NIMS,18BB,LLM1A,2282,2283	4O0	4	0	3,792,558:06:0	
904	97	20	09:44:00.333	20EQ6A	6CKSUM	NIMS	NIMS,1000,10C8	4O0	4	0	3,792,607:06:0	
905	97	20	09:45:01.000	20EQ6B	6MCOPY	NIMS	NIMS,18BC,LLM1A,2282,2283	4O0	4	0	3,792,608:06:0	
906	97	20	09:46:01.666	20EQ6C	6CKSUM	NIMS	NIMS,10C9,1190	4O0	4	0	3,792,609:06:0	
907	97	20	09:47:02.333	20EQ6D	6MCOPY	NIMS	NIMS,18BD,LLM1A,2282,2283	4O0	4	0	3,792,610:06:0	
908	97	20	09:48:03.000	20EQ6E	6CKSUM	NIMS	NIMS,1191,1258	4O0	4	0	3,792,611:06:0	
909	97	20	09:49:03.666	20EQ6F	6MCOPY	NIMS	NIMS,18BE,LLM1A,2282,2283	4O0	4	0	3,792,612:06:0	
910	97	20	09:50:04.333	20EQ6G	6CKSUM	NIMS	NIMS,1259,1320	4O0	4	0	3,792,613:06:0	
911	97	20	09:51:05.000	20EQ6H	6MCOPY	NIMS	NIMS,18BF,LLM1A,2282,2283	4O0	4	0	3,792,614:06:0	
912	97	20	09:52:05.666	20EQ6I	6CKSUM	NIMS	NIMS,1321,13E7	4O0	4	0	3,792,615:06:0	
913	97	20	09:53:06.333	20EQ6J	6MCOPY	NIMS	NIMS,18C0,LLM1A,2282,2283	4O0	4	0	3,792,616:06:0	
914	97	20	09:54:07.000	20EQ6K	6CKSUM	NIMS	NIMS,13E8,14B3	4O0	4	0	3,792,617:06:0	
915	97	20	09:55:07.666	20EQ6L	6MCOPY	NIMS	NIMS,18C1,LLM1A,2282,2283	4O0	4	0	3,792,618:06:0	
916	97	20	10:44:40.333	20EP6A	6CKSUM	NIMS	NIMS,1000,10C8	4O0	4	0	3,792,667:06:0	
917	97	20	10:45:41.000	20EP6B	6MCOPY	NIMS	NIMS,18C2,LLM1A,2282,2283	4O0	4	0	3,792,668:06:0	
918	97	20	10:46:41.666	20EP6C	6CKSUM	NIMS	NIMS,10C9,1190	4O0	4	0	3,792,669:06:0	
919	97	20	10:47:42.333	20EP6D	6MCOPY	NIMS	NIMS,18C3,LLM1A,2282,2283	4O0	4	0	3,792,670:06:0	
920	97	20	10:48:43.000	20EP6E	6CKSUM	NIMS	NIMS,1191,1258	4O0	4	0	3,792,671:06:0	
921	97	20	10:49:43.666	20EP6F	6MCOPY	NIMS	NIMS,18C4,LLM1A,2282,2283	4O0	4	0	3,792,672:06:0	
922	97	20	10:50:44.333	20EP6G	6CKSUM	NIMS	NIMS,1259,1320	4O0	4	0	3,792,673:06:0	
923	97	20	10:51:45.000	20EP6H	6MCOPY	NIMS	NIMS,18C5,LLM1A,2282,2283	4O0	4	0	3,792,674:06:0	
924	97	20	10:52:45.666	20EP6I	6CKSUM	NIMS	NIMS,1321,13E7	4O0	4	0	3,792,675:06:0	
925	97	20	10:53:46.333	20EP6J	6MCOPY	NIMS	NIMS,18C6,LLM1A,2282,2283	4O0	4	0	3,792,676:06:0	
926	97	20	10:54:47.000	20EP6K	6CKSUM	NIMS	NIMS,13E8,14B3	4O0	4	0	3,792,677:06:0	
927	97	20	10:55:47.666	20EP6L	6MCOPY	NIMS	NIMS,18C7,LLM1A,2282,2283	4O0	4	0	3,792,678:06:0	
928	97	20	11:45:20.333	20EO6A	6CKSUM	NIMS	NIMS,1000,10C8	4O0	4	0	3,792,727:06:0	
929	97	20	11:46:21.000	20EO6B	6MCOPY	NIMS	NIMS,18C8,LLM1A,2282,2283	4O0	4	0	3,792,728:06:0	
930	97	20	11:47:21.666	20EO6C	6CKSUM	NIMS	NIMS,10C9,1190	4O0	4	0	3,792,729:06:0	
931	97	20	11:48:22.333	20EO6D	6MCOPY	NIMS	NIMS,18C9,LLM1A,2282,2283	4O0	4	0	3,792,730:06:0	
932	97	20	11:49:23.000	20EO6E	6CKSUM	NIMS	NIMS,1191,1258	4O0	4	0	3,792,731:06:0	
933	97	20	11:50:23.666	20EO6F	6MCOPY	NIMS	NIMS,18CA,LLM1A,2282,2283	4O0	4	0	3,792,732:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	97	20	11:51:24.333	20EO6G	6CKSUM	NIMS	NIMS,1259,1320	4O0	4	0	3,792,733:06:0	
935	97	20	11:52:25.000	20EO6H	6MCOPY	NIMS	NIMS,18CB,LLM1A,2282,2283	4O0	4	0	3,792,734:06:0	
936	97	20	11:53:25.666	20EO6I	6CKSUM	NIMS	NIMS,1321,13E7	4O0	4	0	3,792,735:06:0	
937	97	20	11:54:26.333	20EO6J	6MCOPY	NIMS	NIMS,18CC,LLM1A,2282,2283	4O0	4	0	3,792,736:06:0	
938	97	20	11:55:27.000	20EO6K	6CKSUM	NIMS	NIMS,13E8,14B3	4O0	4	0	3,792,737:06:0	
939	97	20	11:56:27.666	20EO6L	6MCOPY	NIMS	NIMS,18CD,LLM1A,2282,2283	4O0	4	0	3,792,738:06:0	
940	97	20	12:46:00.266	20EN6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,792,787:06:0	
941	97	20	12:47:00.933	20EN6B	6MCOPY	NIMS	NIMS,18CE,LLM1A,2282,2283	4O0	4	0	3,792,788:06:0	
942	97	20	12:48:01.600	20EN6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,792,789:06:0	
943	97	20	12:49:02.266	20EN6D	6MCOPY	NIMS	NIMS,18CF,LLM1A,2282,2283	4O0	4	0	3,792,790:06:0	
944	97	20	12:50:02.933	20EN6E	6CKSUM	NIMS	NIMS,1259,1372	4O0	4	0	3,792,791:06:0	
945	97	20	12:51:03.600	20EN6F	6MCOPY	NIMS	NIMS,18D0,LLM1A,2282,2283	4O0	4	0	3,792,792:06:0	
946	97	20	12:52:04.266	20EN6G	6CKSUM	NIMS	NIMS,1373,14B3	4O0	4	0	3,792,793:06:0	
947	97	20	12:53:04.933	20EN6H	6MCOPY	NIMS	NIMS,18D1,LLM1A,2282,2283	4O0	4	0	3,792,794:06:0	
948	97	20	13:46:40.266	20EM6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,792,847:06:0	
949	97	20	13:47:40.933	20EM6B	6MCOPY	NIMS	NIMS,18D2,LLM1A,2282,2283	4O0	4	0	3,792,848:06:0	
950	97	20	13:48:41.600	20EM6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,792,849:06:0	
951	97	20	13:49:42.266	20EM6D	6MCOPY	NIMS	NIMS,18D3,LLM1A,2282,2283	4O0	4	0	3,792,850:06:0	
952	97	20	13:50:42.933	20EM6E	6CKSUM	NIMS	NIMS,1259,1384	4O0	4	0	3,792,851:06:0	
953	97	20	13:51:43.600	20EM6F	6MCOPY	NIMS	NIMS,18D4,LLM1A,2282,2283	4O0	4	0	3,792,852:06:0	
954	97	20	13:52:44.266	20EM6G	6CKSUM	NIMS	NIMS,1385,14B3	4O0	4	0	3,792,853:06:0	
955	97	20	13:53:44.933	20EM6H	6MCOPY	NIMS	NIMS,18D5,LLM1A,2282,2283	4O0	4	0	3,792,854:06:0	
956	97	20	14:47:20.266	20EL6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,792,907:06:0	
957	97	20	14:48:20.933	20EL6B	6MCOPY	NIMS	NIMS,18D6,LLM1A,2282,2283	4O0	4	0	3,792,908:06:0	
958	97	20	14:49:21.600	20EL6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,792,909:06:0	
959	97	20	14:50:22.266	20EL6D	6MCOPY	NIMS	NIMS,18D7,LLM1A,2282,2283	4O0	4	0	3,792,910:06:0	
960	97	20	14:51:22.933	20EL6E	6CKSUM	NIMS	NIMS,1259,1384	4O0	4	0	3,792,911:06:0	
961	97	20	14:52:23.600	20EL6F	6MCOPY	NIMS	NIMS,18D8,LLM1A,2282,2283	4O0	4	0	3,792,912:06:0	
962	97	20	14:53:24.266	20EL6G	6CKSUM	NIMS	NIMS,1385,14B3	4O0	4	0	3,792,913:06:0	
963	97	20	14:54:24.933	20EL6H	6MCOPY	NIMS	NIMS,18D9,LLM1A,2282,2283	4O0	4	0	3,792,914:06:0	
964	97	20	15:48:00.266	20EK6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,792,967:06:0	
965	97	20	15:49:00.933	20EK6B	6MCOPY	NIMS	NIMS,18DA,LLM1A,2282,2283	4O0	4	0	3,792,968:06:0	
966	97	20	15:50:01.600	20EK6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,792,969:06:0	
967	97	20	15:51:02.266	20EK6D	6MCOPY	NIMS	NIMS,18DB,LLM1A,2282,2283	4O0	4	0	3,792,970:06:0	
968	97	20	15:52:02.933	20EK6E	6CKSUM	NIMS	NIMS,1259,1384	4O0	4	0	3,792,971:06:0	
969	97	20	15:53:03.600	20EK6F	6MCOPY	NIMS	NIMS,18DC,LLM1A,2282,2283	4O0	4	0	3,792,972:06:0	
970	97	20	15:54:04.266	20EK6G	6CKSUM	NIMS	NIMS,1385,14B3	4O0	4	0	3,792,973:06:0	
971	97	20	15:55:04.933	20EK6H	6MCOPY	NIMS	NIMS,18DD,LLM1A,2282,2283	4O0	4	0	3,792,974:06:0	
972	97	20	16:48:40.266	20EJ6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,793,027:06:0	
973	97	20	16:49:40.933	20EJ6B	6MCOPY	NIMS	NIMS,18DE,LLM1A,2282,2283	4O0	4	0	3,793,028:06:0	
974	97	20	16:50:41.600	20EJ6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,793,029:06:0	
975	97	20	16:51:42.266	20EJ6D	6MCOPY	NIMS	NIMS,18DF,LLM1A,2282,2283	4O0	4	0	3,793,030:06:0	
976	97	20	16:52:42.933	20EJ6E	6CKSUM	NIMS	NIMS,1259,1384	4O0	4	0	3,793,031:06:0	
977	97	20	16:53:43.600	20EJ6F	6MCOPY	NIMS	NIMS,18E0,LLM1A,2282,2283	4O0	4	0	3,793,032:06:0	
978	97	20	16:54:44.266	20EJ6G	6CKSUM	NIMS	NIMS,1385,14B3	4O0	4	0	3,793,033:06:0	
979	97	20	16:55:44.933	20EJ6H	6MCOPY	NIMS	NIMS,18E1,LLM1A,2282,2283	4O0	4	0	3,793,034:06:0	
980	97	20	17:49:20.266	20EI6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,793,087:06:0	
981	97	20	17:50:20.933	20EI6B	6MCOPY	NIMS	NIMS,18E2,LLM1A,2282,2283	4O0	4	0	3,793,088:06:0	
982	97	20	17:51:21.600	20EI6C	6CKSUM	NIMS	NIMS,112D,1258	4O0	4	0	3,793,089:06:0	
983	97	20	17:52:22.266	20EI6D	6MCOPY	NIMS	NIMS,18E3,LLM1A,2282,2283	4O0	4	0	3,793,090:06:0	
984	97	20	17:53:22.933	20EI6E	6CKSUM	NIMS	NIMS,1259,1384	4O0	4	0	3,793,091:06:0	
985	97	20	17:54:23.600	20EI6F	6MCOPY	NIMS	NIMS,18E4,LLM1A,2282,2283	4O0	4	0	3,793,092:06:0	
986	97	20	17:55:24.266	20EI6G	6CKSUM	NIMS	NIMS,1385,14B3	4O0	4	0	3,793,093:06:0	
987	97	20	17:56:24.933	20EI6H	6MCOPY	NIMS	NIMS,18E5,LLM1A,2282,2283	4O0	4	0	3,793,094:06:0	
988	97	20	18:50:00.266	20EH6A	6CKSUM	NIMS	NIMS,1000,112C	4O0	4	0	3,793,147:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	**97**	**20**	**18:51:00.933**	**20EH6B**	**6MCOPY**	**NIMS**	**NIMS,18E6,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,148:06:0**	
990	**97**	**20**	**18:52:01.600**	**20EH6C**	**6CKSUM**	**NIMS**	**NIMS,112D,1258**	**4O0**	**4**	**0**	**3,793,149:06:0**	
991	**97**	**20**	**18:53:02.266**	**20EH6D**	**6MCOPY**	**NIMS**	**NIMS,18E7,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,150:06:0**	
992	**97**	**20**	**18:54:02.933**	**20EH6E**	**6CKSUM**	**NIMS**	**NIMS,1259,1384**	**4O0**	**4**	**0**	**3,793,151:06:0**	
993	**97**	**20**	**18:55:03.600**	**20EH6F**	**6MCOPY**	**NIMS**	**NIMS,18E8,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,152:06:0**	
994	**97**	**20**	**18:56:04.266**	**20EH6G**	**6CKSUM**	**NIMS**	**NIMS,1385,14B3**	**4O0**	**4**	**0**	**3,793,153:06:0**	
995	**97**	**20**	**18:57:04.933**	**20EH6H**	**6MCOPY**	**NIMS**	**NIMS,18E9,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,154:06:0**	
996	**97**	**20**	**19:50:40.266**	**20EG6A**	**6CKSUM**	**NIMS**	**NIMS,1000,112C**	**4O0**	**4**	**0**	**3,793,207:06:0**	
997	**97**	**20**	**19:51:40.933**	**20EG6B**	**6MCOPY**	**NIMS**	**NIMS,18EA,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,208:06:0**	
998	**97**	**20**	**19:52:41.600**	**20EG6C**	**6CKSUM**	**NIMS**	**NIMS,112D,1258**	**4O0**	**4**	**0**	**3,793,209:06:0**	
999	**97**	**20**	**19:53:42.266**	**20EG6D**	**6MCOPY**	**NIMS**	**NIMS,18EB,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,210:06:0**	
1000	**97**	**20**	**19:54:42.933**	**20EG6E**	**6CKSUM**	**NIMS**	**NIMS,1259,1384**	**4O0**	**4**	**0**	**3,793,211:06:0**	
1001	**97**	**20**	**19:55:43.600**	**20EG6F**	**6MCOPY**	**NIMS**	**NIMS,18EC,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,212:06:0**	
1002	**97**	**20**	**19:56:44.266**	**20EG6G**	**6CKSUM**	**NIMS**	**NIMS,1385,14B3**	**4O0**	**4**	**0**	**3,793,213:06:0**	
1003	**97**	**20**	**19:57:44.933**	**20EG6H**	**6MCOPY**	**NIMS**	**NIMS,18ED,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,214:06:0**	
1004	**97**	**20**	**20:51:20.266**	**20EF6A**	**6CKSUM**	**NIMS**	**NIMS,1000,112C**	**4O0**	**4**	**0**	**3,793,267:06:0**	
1005	**97**	**20**	**20:52:20.933**	**20EF6B**	**6MCOPY**	**NIMS**	**NIMS,18EE,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,268:06:0**	
1006	**97**	**20**	**20:53:21.600**	**20EF6C**	**6CKSUM**	**NIMS**	**NIMS,112D,1258**	**4O0**	**4**	**0**	**3,793,269:06:0**	
1007	**97**	**20**	**20:54:22.266**	**20EF6D**	**6MCOPY**	**NIMS**	**NIMS,18EF,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,270:06:0**	
1008	**97**	**20**	**20:55:22.933**	**20EF6E**	**6CKSUM**	**NIMS**	**NIMS,1259,1384**	**4O0**	**4**	**0**	**3,793,271:06:0**	
1009	**97**	**20**	**20:56:23.600**	**20EF6F**	**6MCOPY**	**NIMS**	**NIMS,18F0,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,272:06:0**	
1010	**97**	**20**	**20:57:24.266**	**20EF6G**	**6CKSUM**	**NIMS**	**NIMS,1385,14B3**	**4O0**	**4**	**0**	**3,793,273:06:0**	
1011	**97**	**20**	**20:58:24.933**	**20EF6H**	**6MCOPY**	**NIMS**	**NIMS,18F1,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,274:06:0**	
1012	**97**	**20**	**21:52:00.266**	**20EE6A**	**6CKSUM**	**NIMS**	**NIMS,1000,1258**	**4O0**	**4**	**0**	**3,793,327:06:0**	
1013	**97**	**20**	**21:53:00.933**	**20EE6B**	**6MCOPY**	**NIMS**	**NIMS,18F2,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,328:06:0**	
1014	**97**	**20**	**21:54:01.600**	**20EE6C**	**6CKSUM**	**NIMS**	**NIMS,1259,14B3**	**4O0**	**4**	**0**	**3,793,329:06:0**	
1015	**97**	**20**	**21:55:02.266**	**20EE6D**	**6MCOPY**	**NIMS**	**NIMS,18F3,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,330:06:0**	
1016	**97**	**20**	**22:52:40.266**	**20ED6A**	**6CKSUM**	**NIMS**	**NIMS,1000,1258**	**4O0**	**4**	**0**	**3,793,387:06:0**	
1017	**97**	**20**	**22:53:40.933**	**20ED6B**	**6MCOPY**	**NIMS**	**NIMS,18F4,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,388:06:0**	
1018	**97**	**20**	**22:54:41.600**	**20ED6C**	**6CKSUM**	**NIMS**	**NIMS,1259,14B3**	**4O0**	**4**	**0**	**3,793,389:06:0**	
1019	**97**	**20**	**22:55:42.266**	**20ED6D**	**6MCOPY**	**NIMS**	**NIMS,18F5,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,390:06:0**	
1020	**97**	**20**	**23:53:20.266**	**20EC6A**	**6CKSUM**	**NIMS**	**NIMS,1000,1258**	**4O0**	**4**	**0**	**3,793,447:06:0**	
1021	**97**	**20**	**23:54:20.933**	**20EC6B**	**6MCOPY**	**NIMS**	**NIMS,18F6,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,448:06:0**	
1022	**97**	**20**	**23:55:21.600**	**20EC6C**	**6CKSUM**	**NIMS**	**NIMS,1259,14B3**	**4O0**	**4**	**0**	**3,793,449:06:0**	
1023	**97**	**20**	**23:56:22.266**	**20EC6D**	**6MCOPY**	**NIMS**	**NIMS,18F7,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,450:06:0**	
1024	**97**	**21**	**00:54:00.266**	**20EB6A**	**6CKSUM**	**NIMS**	**NIMS,1000,1258**	**4O0**	**4**	**0**	**3,793,507:06:0**	
1025	**97**	**21**	**00:55:00.933**	**20EB6B**	**6MCOPY**	**NIMS**	**NIMS,18F8,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,508:06:0**	
1026	**97**	**21**	**00:56:01.600**	**20EB6C**	**6CKSUM**	**NIMS**	**NIMS,1259,14B3**	**4O0**	**4**	**0**	**3,793,509:06:0**	
1027	**97**	**21**	**00:57:02.266**	**20EB6D**	**6MCOPY**	**NIMS**	**NIMS,18F9,LLM1A,2282,2283**	**4O0**	**4**	**0**	**3,793,510:06:0**	
1028	**97**	**21**	**00:58:00.000**	**E4NNMEMCHK01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
1029	97	22	04:00:00.200	481UC4A	7VECT		Inert vect update UTC	4O0	4	0	3,795,115:18:0	
1030	**97**	**25**	**18:59:08.000**	**432LC6B**	**6RTDS2**	**NIMNCG,AACDSL,RT**	**AACS DESELECT**	**4O0**	**4**	**0**	**3,800,276:89:0**	
1031	97	25	22:32:30.000	465WA6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	3,800,488:00:0	
1032	97	25	22:32:30.000		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2789.00 +/-	4O0	4	0	3,800,488:00:0	
1033	97	26	04:26:11.333	465WB6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	3,800,837:73:0	
1034	97	26	04:52:03.333	465WB6B	6DMSC	RDY,2	DMS Control Tape stop	4O0	4	0	3,800,863:35:0	
1035	97	26	18:13:26.000	488BL6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,801,655:87:0	
1036	97	26	19:02:59.933	488BL6B	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,801,704:89:0	
1037	97	26	19:20:05.933	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	4O0	4	0	3,801,721:81:0	
1038	97	26	19:26:41.933	488BL6C	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,801,728:38:0	
1039	97	26	19:30:07.266	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	3,801,731:73:0	
1040	97	26	20:02:02.600	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	3,801,763:34:0	
1041	97	26	20:15:51.933	488BL6D	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	3,801,777:04:0	
1042	97	26	20:17:38.600	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	3,801,778:73:0	
1043	97	26	20:49:49.266	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	3,801,810:57:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	97	26	21:21:52.600	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	3,801,842	30:0
1045	97	26	21:36:30.600	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	3,801,856	73:0
1046	97	26	22:08:40.600	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	3,801,888	56:0
1047	97	26	22:09:47.933	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	3,801,889	66:0
1048	97	26	22:24:13.933	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	3,801,904	00:0
1049	97	26	22:25:07.933	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	4O0	4	0	3,801,904	81:0
1050	97	26	22:39:59.933	488BL6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,801,919	54:0
1051	97	26	22:40:03.933	20XG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,801,919	60:0
1052	97	26	22:40:53.933	20XG4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,801,920	44:0
1053	97	26	22:42:25.933	176AM6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,801,922	00:0
1054	97	26	22:47:19.933	488BM6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,801,926	77:0
1055	97	27	06:07:25.933	488BN6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,802,362	10:0
1056	97	27	16:15:41.933	488BO6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,802,963	63:0
1057	97	27	19:05:27.933	488BO6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,803,131	54:0
1058	97	27	22:57:59.933	488BP6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,803,361	52:0
1059	97	28	06:22:25.866	488BQ6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,803,801	11:0
1060	97	28	09:10:41.866	488BQ6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,803,967	49:0
1061	97	28	13:07:25.866	488BR6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,804,201	61:0
1062	97	28	15:35:41.866	488BR6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,804,348	28:0
1063	97	28	18:59:03.866	488BR6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,804,549	40:0
1064	97	28	20:39:19.866	488BS6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,804,648	55:0
1065	97	28	21:11:19.866	488BS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,804,680	23:0
1066	97	28	22:32:23.866	488BS6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,804,760	39:0
1067	97	29	05:17:43.866	488BT6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,805,161	28:0
1068	97	29	06:17:27.200	488BT6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,805,220	34:0
1069	97	29	08:30:43.133	488BT6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,805,352	16:0
1070	97	29	13:37:27.133	488BU6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,805,655	49:0
1071	97	29	15:15:43.133	488BU6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,805,752	66:0
1072	97	29	19:31:03.800	488BU6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,806,005	24:0
1073	97	29	20:05:11.800	488BV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,806,039	02:0
1074	97	29	20:39:19.800	488BV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,806,072	71:0
1075	97	29	22:51:35.800	488BV6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,806,203	54:0
1076	97	30	04:03:03.800	488BW6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,806,511	58:0
1077	97	30	05:13:27.800	488BW6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,806,581	24:0
1078	97	30	06:17:27.800	488BW6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,806,644	51:0
1079	97	30	10:43:35.133	488BX6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,806,907	69:0
1080	97	30	13:02:27.733	488BX6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,807,045	10:0
1081	97	30	15:00:43.733	488BX6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,807,162	07:0
1082	97	30	15:29:23.066	488BX6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,807,190	38:0
1083	97	30	17:45:55.066	488BY6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,807,325	41:0
1084	97	30	18:59:03.733	488BY6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,807,397	72:0
1085	97	30	19:31:03.733	488BY6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,807,429	40:0
1086	97	30	20:35:03.733	488BY6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,807,492	67:0
1087	97	30	22:51:35.733	488BY6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,807,627	70:0
1088	97	31	04:47:51.733	488BZ6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,807,980	11:0
1089	97	31	06:12:29.066	488BZ6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,808,063	74:0
1090	97	31	06:49:57.066	476AB6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,808,100	79:0
1091	97	31	07:55:45.066	488BZ6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,808,165	86:0
1092	97	31	09:42:59.733	488BZ6D	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,808,272	01:0
1093	97	31	09:48:02.400	176R6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,808,277	00:0
1094	97	31	09:49:59.733	41VI99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	4O0	4	0	3,808,278	85:0
1095	**97**	**31**	**09:50:03.733**	**41VI3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,808,279**	**00:0**
1096	**97**	**31**	**09:50:13.733**	**41VI3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,808,279**	**15:0**
1097	**97**	**31**	**09:52:23.733**	**41VI3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,808,281**	**28:0**
1098	**97**	**31**	**09:52:33.733**	**41VI3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,808,281**	**43:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	**97**	**31**	**09:52:43.733**	**41VI3I**	**40T2**		**1 PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,808,281:58:0**	
1100	**97**	**31**	**09:52:53.733**	**41VI3J**	**40T2**		**2 PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,808,281:73:0**	
1101	97	31	10:01:59.733	20XZ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,808,290:73:0	
1102	97	31	10:02:59.733	20XZ4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	3,808,291:72:0	
1103	97	31	10:04:59.733	20XZ4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,808,293:70:0	
1104	97	31	10:10:29.733	20XZ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	3,808,299:19:0	
1105	97	31	10:10:30.400	20XZ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	3,808,299:20:0	
1106	97	31	10:10:50.400	20XZ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	3,808,299:50:0	
1107	97	31	10:10:51.066	20XZ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	3,808,299:51:0	
1108	97	31	10:11:11.066	20XZ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	3,808,299:81:0	
1109	97	31	10:11:11.733	20XZ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	3,808,299:82:0	
1110	97	31	10:11:21.733	20XZ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	3,808,300:06:0	
1111	97	31	10:11:22.400	20XZ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	3,808,300:07:0	
1112	97	31	10:11:32.400	20XZ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	3,808,300:22:0	
1113	97	31	10:11:33.066	20XZ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	3,808,300:23:0	
1114	97	31	10:13:19.733	20XZ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	3,808,302:01:0	
1115	97	31	10:13:20.400	20XZ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	3,808,302:02:0	
1116	97	31	10:13:40.400	20XZ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	3,808,302:32:0	
1117	97	31	10:13:41.066	20XZ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	3,808,302:33:0	
1118	97	31	10:14:01.066	20XZ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	3,808,302:63:0	
1119	97	31	10:14:01.733	20XZ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	3,808,302:64:0	
1120	97	31	10:14:11.733	20XZ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	3,808,302:79:0	
1121	97	31	10:14:12.400	20XZ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	3,808,302:80:0	
1122	97	31	10:14:22.400	20XZ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	3,808,303:04:0	
1123	97	31	10:14:23.066	20XZ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	3,808,303:05:0	
1124	97	31	10:15:19.733	20XZ4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,808,303:90:0	
1125	97	31	10:39:59.733	41UH99A	**POWER**	**PWR MODE change**	Change to Playback Mode	4O0	4	0	3,808,328:35:0	
1126	**97**	**31**	**10:40:03.733**	**41UH3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,808,328:41:0**	
1127	**97**	**31**	**10:40:13.733**	**41UH3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,808,328:56:0**	
1128	**97**	**31**	**10:40:23.733**	**41UH3K**	**40T2R**		**1 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,808,328:71:0**	
1129	**97**	**31**	**10:40:33.733**	**41UH3L**	**40T2R**		**2 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,808,328:86:0**	
1130	**97**	**31**	**10:42:43.733**	**41UH3G**	**37F2P**		**1 Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,808,331:08:0**	
1131	**97**	**31**	**10:42:53.733**	**41UH3H**	**37F2P**		**2 Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,808,331:23:0**	
1132	97	31	10:50:03.733	20XI4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,808,338:31:0	
1133	97	31	10:50:53.733	20XI4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,808,339:15:0	
1134	97	31	10:52:45.066	176AO6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,808,341:00:0	
1135	97	31	11:50:59.733	488CA6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,808,398:55:0	
1136	97	31	13:42:29.733	488CA6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,808,508:80:0	
1137	97	31	14:55:46.400	488CA6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,808,581:32:0	
1138	97	31	16:10:31.733	488CA6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,808,655:26:0	
1139	97	31	19:01:12.333	488CB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,808,824:08:0	
1140	97	31	20:35:03.666	488CB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,808,916:83:0	
1141	97	31	22:47:19.666	488CB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,809,047:66:0	
1142	97	32	05:07:03.666	488CC6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,809,423:26:0	
1143	97	32	06:24:33.000	488CC6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,809,499:84:0	
1144	97	32	06:32:23.666	488CC6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,809,507:62:0	
1145	97	32	07:45:47.000	488CC6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,809,580:24:0	
1146	97	32	13:37:31.000	488CD6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,809,928:12:0	
1147	97	32	15:05:47.000	488CD6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,810,015:39:0	
1148	97	32	15:29:19.666	488CD6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,810,038:65:0	
1149	**97**	**32**	**16:31:01.666**	**31U3A**	**37F2PR**		**1 Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,810,099:67:0**	
1150	**97**	**32**	**16:33:01.666**	**31U3B**	**37F2PR**		**2 Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,810,101:65:0**	
1151	**97**	**32**	**16:35:01.666**	**31U3C**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,810,103:63:0**	
1152	**97**	**32**	**16:37:01.666**	**31U3D**	**40T1P**		**2 PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,810,105:61:0**	
1153	**97**	**32**	**16:39:01.666**	**31U3E**	**40T2**		**1 PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,810,107:59:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	**97**	**32**	**16:41:01.666**	**31U3F**	**40T2**		**2 PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,810,109:57:0**	
1155	97	32	17:48:32.333	488CD6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,810,176:36:0	
1156	97	32	18:54:47.666	488CD6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,810,241:84:0	
1157	97	32	20:30:47.666	488CE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,810,336:79:0	
1158	97	32	22:47:19.666	488CE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,810,471:82:0	
1159	97	33	00:02:34.333	488CE6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,810,546:29:0	
1160	97	33	00:29:52.333	488CE6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,810,573:29:0	
1161	97	33	05:02:47.600	488CF6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,810,843:22:0	
1162	97	33	06:22:33.600	488CF6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,810,922:12:0	
1163	97	33	06:32:23.600	488CF6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,810,931:78:0	
1164	97	33	08:05:48.266	488CF6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,811,024:22:0	
1165	97	33	13:32:31.600	488CG6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,811,347:34:0	
1166	97	33	14:40:48.933	488CG6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,811,414:83:0	
1167	97	33	15:29:59.600	488CG6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,811,463:50:0	
1168	97	33	18:50:31.600	488CG6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,811,661:80:0	
1169	97	33	20:30:47.600	488CH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,811,761:04:0	
1170	97	33	22:43:03.600	488CH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,811,891:78:0	
1171	97	34	00:14:47.600	488CH6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,811,982:53:0	
1172	97	34	01:23:03.600	488CH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,812,050:09:0	
1173	97	34	05:02:47.600	488CI6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,812,267:38:0	
1174	97	34	06:22:34.266	488CI6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,812,346:29:0	
1175	97	34	06:32:23.600	488CI6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,812,356:03:0	
1176	97	34	07:55:50.200	488CI6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,812,438:51:0	
1177	97	34	08:14:16.866	488CI6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,812,456:73:0	
1178	97	34	10:33:28.866	488CJ6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,812,594:43:0	
1179	97	34	15:19:19.533	488CJ6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,812,877:16:0	
1180	97	34	15:24:12.200	176M6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,812,882:00:0	
1181	**97**	**34**	**15:30:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**3,812,887:66:7**	
1182	**97**	**34**	**15:30:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,812,887:66:7**	
1183	**97**	**34**	**15:30:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,812,887:66:7**	
1184	**97**	**34**	**15:30:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,812,887:66:7**	
1185	**97**	**34**	**15:30:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,812,887:66:7**	
1186	**97**	**34**	**15:30:00.000**	**20A3FB**	**37F2P**	**Final Condition**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,812,887:66:7**	
1187	**97**	**34**	**15:30:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,812,887:66:7**	
1188	**97**	**34**	**15:30:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,812,887:66:7**	
1189	**97**	**34**	**15:30:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,812,887:66:7**	
1190	97	34	15:30:00.200		DMS:	: READY	RDY, TRACK 1, FWD, TIC 201.62 +/-	4O0	4	0	3,812,887:67:0	

			Sequence:	E04C-AR		Created: 3/11/97	Begin: 97-034/15:30:00 Finish: 97-047/23:05:00				
Line	**YR**	**DOY**	**SCET - GMT**	**PSID**	**Command**	**Parameters**	**Description**	**GCM**	**GO**	**GS**	**RIM MF I**
1	**97**	**34**	**15:30:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,812,887:66:7**
2	**97**	**34**	**15:30:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,812,887:66:7**
3	**97**	**34**	**15:30:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**3,812,887:66:7**
4	**97**	**34**	**15:30:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,812,887:66:7**
5	**97**	**34**	**15:30:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,812,887:66:7**
6	**97**	**34**	**15:30:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,812,887:66:7**
7	**97**	**34**	**15:30:00.000**	**20A3FB**	**37F2P**	**Initial Condition**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,812,887:66:7**
8	**97**	**34**	**15:30:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,812,887:66:7**
9	**97**	**34**	**15:30:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,812,887:66:7**
10	97	34	15:30:00.200		DMS:	: READY	RDY, TRACK 2, REV, TIC 1096.00 +/-	4O0	4	0	3,812,887:67:0
11	**97**	**34**	**15:32:00.200**	**432C6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,812,889:65:0**
12	97	34	15:32:07.533	488A6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,812,889:76:0
13	97	34	15:33:04.200	20XJ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,812,890:70:0
14	97	34	15:33:54.200	20XJ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,812,891:54:0
15	97	34	15:36:20.200	176AP6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	3,812,894:00:0
16	97	34	15:44:12.200	488A6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,812,901:71:0
17	97	34	16:38:49.533	488A6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,812,955:73:0
18	97	34	18:46:15.533	488A6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,813,081:76:0
19	97	34	20:09:27.533	488A6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,813,164:11:0
20	97	34	20:41:27.533	488B6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,813,195:70:0
21	97	34	22:06:47.533	488B6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,813,280:15:0
22	97	35	02:41:59.533	488C6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,813,552:31:0
23	97	35	04:58:31.533	488C6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,813,687:34:0
24	97	35	06:19:18.200	488C6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,813,767:24:0
25	97	35	06:30:15.533	488C6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,813,778:09:0
26	97	35	07:35:52.200	488C6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,813,842:90:0
27	97	35	09:05:59.533	488D6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,813,932:11:0
28	97	35	12:32:55.533	488D6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,814,136:71:0
29	97	35	13:27:36.133	488D6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,814,190:78:0
30	97	35	14:35:52.800	488D6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,814,258:35:0
31	97	35	15:19:19.466	488E6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,814,301:32:0
32	97	35	18:46:15.466	488E6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,814,506:01:0
33	97	35	19:35:19.466	488E6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,814,554:49:0
34	97	35	20:20:07.466	488E6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,814,598:77:0
35	97	35	22:38:47.466	488F6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,814,735:90:0
36	97	36	03:52:23.466	488F6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,815,046:13:0
37	97	36	04:52:07.466	488G6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,815,105:20:0
38	97	36	06:18:02.133	488G6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,815,190:17:0
39	97	36	06:28:07.466	488G6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,815,200:15:0
40	97	36	07:30:54.133	488G6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,815,262:23:0
41	97	36	08:59:35.466	488G6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,815,349:88:0
42	97	36	12:32:55.466	488H6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,815,560:87:0
43	97	36	15:19:12.133	488H6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,815,725:37:0
44	97	36	17:38:24.133	488H6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,815,863:07:0
45	97	36	17:50:47.466	488H6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,815,875:30:0
46	97	36	19:05:27.466	488I6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,815,949:16:0
47	97	36	20:20:07.400	488I6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,816,023:02:0
48	97	36	20:52:07.400	488I6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,816,054:61:0
49	97	36	22:17:27.400	488I6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,816,139:06:0
50	97	36	23:55:12.733	488I6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,816,235:68:0
51	97	37	00:13:24.733	488J6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,816,253:68:0
52	97	37	03:48:07.400	488J6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,816,466:09:0
53	97	37	04:52:07.400	488J6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,816,529:36:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	97	37	06:16:03.400	488K6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,816,612:37:0	
55	97	37	06:28:07.400	488K6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,816,624:31:0	
56	97	37	07:55:56.733	488K6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,816,711:18:0	
57	97	37	08:04:10.066	488K6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,816,719:30:0	
58	97	37	09:47:58.733	176P6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	3,816,822:00:0	
59	97	37	10:01:20.066	20YE4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,816,835:19:0	
60	97	37	10:20:20.066	20YE4D	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	3,816,854:00:0	
61	97	37	10:23:22.066	488K6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,816,857:00:0	
62	97	37	12:53:00.066	488L6A	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,817,004:90:0	
63	97	37	13:22:40.066	488L6B	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,817,034:30:0	
64	97	37	14:30:56.733	488L6C	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,817,101:78:0	
65	97	37	15:03:00.066	474AA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	3,817,133:51:0	
66	97	37	15:05:00.066	474AA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,817,135:49:0	
67	97	37	15:09:14.066	474AA416A4E	7BURN	.144699,-68.4447	ALERT -- Thruster fire	4O0	4	0	3,817,139:66:0	
68	97	37	15:46:38.066	474AA416A4G	7BURN	.144699,-68.4447	ALERT -- Thruster fire	4O0	4	0	3,817,176:65:0	
69	97	37	17:12:54.066	474AA416A4N	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,817,262:03:0	
70	97	37	19:00:00.066	488M6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,817,367:87:0	
71	97	37	19:01:11.400	488M6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,817,369:12:0	
72	97	37	19:10:00.066	444UG443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,817,377:77:0	
73	97	37	19:17:04.066	20XK4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,817,384:76:0	
74	97	37	19:17:54.066	20XK4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,817,385:60:0	
75	97	37	19:19:15.400	176AQ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	3,817,387:00:0	
76	97	37	19:33:11.400	488M6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,817,400:71:0	
77	97	37	20:20:07.400	488M6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,817,447:18:0	
78	97	37	22:32:23.400	488M6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,817,578:01:0	
79	97	38	03:43:51.333	488N6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,817,886:05:0	
80	97	38	04:47:51.333	488N6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,817,949:32:0	
81	97	38	06:11:30.666	488N6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,818,032:08:0	
82	97	38	06:23:51.333	488N6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,818,044:27:0	
83	97	38	07:25:59.333	488N6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,818,105:68:0	
84	97	38	08:55:19.333	488O6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,818,194:09:0	
85	97	38	12:28:39.333	488O6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,818,405:08:0	
86	97	38	15:14:07.333	488P6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,818,568:67:0	
87	97	38	17:33:19.333	488P6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,818,706:37:0	
88	97	38	18:35:35.333	488P6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,818,767:90:0	
89	97	38	20:15:51.333	488P6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,818,867:14:0	
90	97	38	20:47:51.333	488P6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,818,898:73:0	
91	97	38	22:13:11.333	488Q6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,818,983:18:0	
92	97	38	23:50:07.333	488Q6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,819,079:06:0	
93	97	39	00:08:20.000	488Q6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,819,097:07:0	
94	97	39	03:37:27.333	488Q6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,819,303:82:0	
95	97	39	04:43:35.333	488R6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,819,369:28:0	
96	97	39	06:07:41.333	488R6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,819,452:44:0	
97	97	39	06:17:27.333	488R6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,819,462:13:0	
98	97	39	07:21:02.000	488R6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,819,525:02:0	
99	97	39	08:55:19.266	488R6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,819,618:25:0	
100	97	39	12:17:59.266	488S6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,819,818:65:0	
101	97	39	15:04:23.266	488S6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,819,983:26:0	
102	97	39	18:31:19.266	488T6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,820,187:86:0	
103	97	39	19:24:39.266	488T6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,820,240:63:0	
104	97	39	20:15:51.266	488T6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,820,291:30:0	
105	97	39	21:15:15.933	488T6D	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	3,820,350:08:0	
106	**97**	**39**	**21:20:20.666**	**E4NNMEMCHK02-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
107	**97**	**39**	**21:22:20.600**	**475FA6A**	**6MROH**	**37,1000,3,A10**	**read from NIMS37,1000,3,A1**	**4O0**	**4**	**0**	**3,820,357:08:0**	
108	**97**	**39**	**21:29:00.600**	**475FA6B**	**6MROH**	**37,1080,3,A10**	**read from NIMS37,1080,3,A1**	**4O0**	**4**	**0**	**3,820,363:62:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
109	**97**	**39**	**21:35:40.600**	**475FA6C**	**6MROH**	**37,1100,3,A10**	**read from NIMS37,1100,3,A1**	**4O0**	**4**	**0**	**3,820,370:25:0**
110	**97**	**39**	**21:42:20.600**	**475FA6D**	**6MROH**	**37,1180,3,A10**	**read from NIMS37,1180,3,A1**	**4O0**	**4**	**0**	**3,820,376:79:0**
111	**97**	**39**	**21:49:00.600**	**475FA6E**	**6MROH**	**37,1200,3,A10**	**read from NIMS37,1200,3,A1**	**4O0**	**4**	**0**	**3,820,383:42:0**
112	**97**	**39**	**21:55:40.600**	**475FA6F**	**6MROH**	**37,1280,3,A10**	**read from NIMS37,1280,3,A1**	**4O0**	**4**	**0**	**3,820,390:05:0**
113	**97**	**39**	**22:02:20.600**	**475FA6G**	**6MROH**	**37,1300,3,A10**	**read from NIMS37,1300,3,A1**	**4O0**	**4**	**0**	**3,820,396:59:0**
114	**97**	**39**	**22:09:00.600**	**475FA6H**	**6MROH**	**37,1380,3,A10**	**read from NIMS37,1380,3,A1**	**4O0**	**4**	**0**	**3,820,403:22:0**
115	**97**	**39**	**22:15:40.600**	**475FA6I**	**6MROH**	**37,1400,3,A10**	**read from NIMS37,1400,3,A1**	**4O0**	**4**	**0**	**3,820,409:76:0**
116	**97**	**39**	**22:22:20.600**	**475FA6J**	**6MROH**	**37,1480,3,A10**	**read from NIMS37,1480,3,A1**	**4O0**	**4**	**0**	**3,820,416:39:0**
117	97	39	22:23:51.266	488T6E	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	3,820,417:84:0
118	**97**	**39**	**22:29:00.600**	**475FA6K**	**6MROH**	**37,1500,3,A10**	**read from NIMS37,1500,3,A1**	**4O0**	**4**	**0**	**3,820,423:02:0**
119	**97**	**39**	**22:35:40.600**	**475FA6L**	**6MROH**	**37,1580,3,A10**	**read from NIMS37,1580,3,A1**	**4O0**	**4**	**0**	**3,820,429:56:0**
120	**97**	**39**	**22:42:20.600**	**475FA6M**	**6MROH**	**37,1600,3,A10**	**read from NIMS37,1600,3,A1**	**4O0**	**4**	**0**	**3,820,436:19:0**
121	**97**	**39**	**22:49:00.600**	**475FA6N**	**6MROH**	**37,1680,3,A10**	**read from NIMS37,1680,3,A1**	**4O0**	**4**	**0**	**3,820,442:73:0**
122	**97**	**39**	**22:55:40.600**	**475FA6O**	**6MROH**	**37,1700,3,A10**	**read from NIMS37,1700,3,A1**	**4O0**	**4**	**0**	**3,820,449:36:0**
123	**97**	**39**	**23:02:20.600**	**475FA6P**	**6MROH**	**37,1780,3,A10**	**read from NIMS37,1780,3,A1**	**4O0**	**4**	**0**	**3,820,455:90:0**
124	**97**	**39**	**23:09:00.600**	**475FA6Q**	**6MROH**	**37,1800,3,A10**	**read from NIMS37,1800,3,A1**	**4O0**	**4**	**0**	**3,820,462:53:0**
125	**97**	**39**	**23:15:40.600**	**475FA6R**	**6MROH**	**37,1880,3,A10**	**read from NIMS37,1880,3,A1**	**4O0**	**4**	**0**	**3,820,469:16:0**
126	**97**	**39**	**23:16:00.000**	**E4NNMEMCHK02-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**
127	97	39	23:26:42.600	488U6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,820,480:08:0
128	97	40	00:58:37.933	176B6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	3,820,571:00:0
129	97	40	01:04:41.933	176KA6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4O0	4	0	3,820,577:00:0
130	97	40	01:05:41.266	165QA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,820,577:89:0
131	97	40	01:05:41.933	165QA4B	7SCAN	NORM,174.570999,	Check S/P Position	4O0	4	0	3,820,577:90:0
132	97	40	01:25:54.600	165QB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,820,597:89:0
133	97	40	01:25:55.266	165QB4B	7SCAN	NORM,174.436998,	Check S/P Position	4O0	4	0	3,820,597:90:0
134	97	40	01:55:03.933	20XL4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,820,626:74:0
135	97	40	01:55:53.933	20XL4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,820,627:58:0
136	97	40	01:57:16.600	176X6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	3,820,629:00:0
137	97	40	03:28:55.266	488U6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,820,719:58:0
138	97	40	04:43:35.266	488U6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,820,793:44:0
139	97	40	06:03:09.266	488V6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,820,872:16:0
140	97	40	06:13:11.266	488V6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,820,882:09:0
141	97	40	07:21:05.266	488V6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,820,949:23:0
142	**97**	**40**	**07:27:00.666**	**E4NNRELOAD11-**		**-----START------**		**4O0**	**4**	**0**	**: :**
143	**97**	**40**	**07:29:00.600**	**20FB5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**260**	**4**	**0**	**3,820,957:08:0**
144	**97**	**40**	**07:30:01.266**	**20FB5B**	**37MRL**		**Memory Realocate (software operates from R**	**260**	**4**	**0**	**3,820,958:08:0**
145	**97**	**40**	**07:31:01.933**	**20FB6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**260**	**4**	**0**	**3,820,959:08:0**
146	**97**	**40**	**07:32:02.600**	**20FB6E**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**260**	**4**	**0**	**3,820,960:08:0**
147	**97**	**40**	**07:33:03.266**	**20FB5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,820,961:08:0**
148	**97**	**40**	**07:34:03.933**	**20FB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,820,962:08:0**
149	**97**	**40**	**07:35:04.600**	**20FB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,820,963:08:0**
150	**97**	**40**	**07:36:00.000**	**E4NNRELOAD11-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
151	97	40	08:59:35.266	488V6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,821,046:61:0
152	97	40	12:13:43.266	488W6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,821,238:61:0
153	97	40	15:04:01.200	488W6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,821,407:09:0
154	97	40	17:23:13.200	488W6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,821,544:70:0
155	97	40	18:24:55.200	488X6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	3,821,605:72:0
156	97	40	20:09:27.200	488X6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,821,709:16:0
157	97	40	20:49:59.200	488X6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R0	4	0	3,821,749:24:0
158	97	40	21:47:35.200	488X6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,821,806:21:0
159	97	40	23:40:01.200	488X6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,821,917:39:0
160	97	40	23:58:13.866	488Y6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,821,935:40:0
161	97	41	03:18:15.200	488Y6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	3,822,133:24:0
162	97	41	04:37:11.200	488Y6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,822,211:30:0
163	97	41	06:01:10.533	488Z6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,822,294:36:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	97	41	06:13:11.200	488Z6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,822,306	25:0
165	97	41	07:46:07.866	488Z6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,822,398	18:0
166	97	41	07:48:59.200	488Z6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,822,401	02:0
167	97	41	10:08:11.200	488Z6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,822,538	63:0
168	97	41	13:02:53.200	488AA6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,822,711	43:0
169	97	41	14:16:09.200	488AA6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,822,783	85:0
170	97	41	15:00:07.200	488AA6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,822,827	38:0
171	97	41	15:38:54.533	488AA6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,822,865	71:0
172	97	41	16:33:31.200	488AA6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,822,919	72:0
173	97	41	17:46:31.866	176U6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2R0	4	0	3,822,992	00:0
174	97	41	17:52:59.866	488AB6A	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	2R0	4	0	3,822,998	36:0
175	97	41	18:24:55.200	488AB6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R0	4	0	3,823,029	88:0
176	97	41	18:25:02.533	490UJ412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2R0	4	0	3,823,030	08:0
177	97	41	18:30:00.533	490UJ412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R0	4	0	3,823,035	00:0
178	97	41	18:34:10.533	490UJ412A4E	7VECT		Inert vect update UTC	2R0	4	0	3,823,039	11:0
179	97	41	18:34:14.533	490UJ412A4F	7TURN	2,RTH	ALERT Thruster	2R0	4	0	3,823,039	17:0
180	97	41	18:38:02.533	490UJ412A406A4A	7STAR	1,3000,95.710999	Star catalog update	2R0	4	0	3,823,042	86:0
181	97	41	18:38:04.533	490UJ412A406A4B	7STAR	2,770,213.33,19.	Star catalog update	2R0	4	0	3,823,042	89:0
182	97	41	18:38:06.533	490UJ412A406A4C	7STAR	3,0,0.0,0.0	Star catalog update	2R0	4	0	3,823,043	01:0
183	97	41	18:38:08.533	490UJ412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	2R0	4	0	3,823,043	04:0
184	97	41	18:38:10.533	490UJ412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	2R0	4	0	3,823,043	07:0
185	97	41	18:38:12.533	490UJ412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2R0	4	0	3,823,043	10:0
186	97	41	19:46:13.133	490UJ412A4L	**7MODE**	**CRU**	AACS CRUISE MODE	2R0	4	0	3,823,110	34:0
187	97	41	20:00:55.133	488AB6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2R0	4	0	3,823,124	83:0
188	97	41	20:00:59.800	488AB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,823,124	90:0
189	97	41	20:15:03.800	20XQ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R0	4	0	3,823,138	82:0
190	97	41	20:15:53.800	20XQ4B	7SLEW	DIS,POS,0.0	Stator movement	2R0	4	0	3,823,139	66:0
191	97	41	20:17:11.133	176AR6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2R0	4	0	3,823,141	00:0
192	97	41	20:32:55.133	488AB6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R0	4	0	3,823,156	51:0
193	97	41	21:39:03.133	488AC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,823,221	88:0
194	97	41	22:23:51.133	488AC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	3,823,266	25:0
195	97	41	22:55:51.133	488AC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,823,297	84:0
196	97	42	02:07:51.133	488AC6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	3,823,487	74:0
197	97	42	04:37:11.133	488AD6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,823,635	46:0
198	97	42	05:54:47.800	488AD6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,823,712	24:0
199	97	42	06:02:31.133	488AD6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,823,719	82:0
200	97	42	06:38:47.133	488AD6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,823,755	70:0
201	97	42	18:40:11.800	488AE6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,824,469	23:0
202	97	42	19:45:59.133	488AE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	3,824,534	29:0
203	97	42	20:17:59.133	488AE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	3,824,565	88:0
204	97	42	21:49:43.133	488AE6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,824,656	63:0
205	97	42	23:12:07.133	488AE6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,824,738	17:0
206	97	42	23:17:11.133	488AF6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,824,743	18:0
207	97	43	04:59:54.400	476B6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,825,082	14:0
208	97	43	07:36:15.066	488AG6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,825,236	71:0
209	97	43	12:38:47.733	176C6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2R0	4	0	3,825,536	00:0
210	97	43	12:44:51.733	176KB6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	2R0	4	0	3,825,542	00:0
211	97	43	12:45:51.066	165QC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,825,542	89:0
212	97	43	12:45:51.733	165QC4B	7SCAN	NORM,176.504999,	Check S/P Position	2R0	4	0	3,825,542	90:0
213	97	43	13:02:59.066	488AG6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,825,559	84:0
214	97	43	13:06:04.400	165QD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,825,562	89:0
215	97	43	13:06:05.066	165QD4B	7SCAN	NORM,176.467999,	Check S/P Position	2R0	4	0	3,825,562	90:0
216	97	43	13:35:03.733	20XM4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R0	4	0	3,825,591	59:0
217	97	43	13:35:53.733	20XM4B	7SLEW	DIS,POS,0.0	Stator movement	2R0	4	0	3,825,592	43:0
218	97	43	13:37:26.400	176Y6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2R0	4	0	3,825,594	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	97	43	14:11:16.400	488AH6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,825,627	42:0
220	97	43	15:06:31.066	488AH6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	3,825,682	09:0
221	97	43	17:25:11.066	488AH6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	3,825,819	22:0
222	97	43	18:16:23.066	488AH6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,825,869	80:0
223	97	43	18:48:23.066	488AH6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R0	4	0	3,825,901	48:0
224	97	44	04:13:43.066	488AI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	3,826,460	59:0
225	97	44	05:32:39.066	488AI6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,826,538	65:0
226	97	44	05:54:07.066	488AI6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,826,559	86:0
227	97	44	06:04:39.066	488AI6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,826,570	33:0
228	97	44	06:40:55.066	488AI6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,826,606	21:0
229	97	44	07:50:17.666	488AJ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,826,674	77:0
230	97	44	09:16:39.000	488AJ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	3,826,760	23:0
231	97	44	11:33:11.000	488AJ6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,826,895	26:0
232	97	44	13:09:11.000	488AJ6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,826,990	21:0
233	97	44	15:14:21.000	488AK6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,827,114	02:0
234	97	44	15:21:27.000	488AK6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,827,121	04:0
235	97	44	16:16:00.333	488AK6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,827,175	00:0
236	97	44	18:31:19.000	488AK6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,827,308	75:0
237	97	44	19:16:07.000	488AK6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R0	4	0	3,827,353	12:0
238	97	44	23:31:10.333	488AL6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2R0	4	0	3,827,605	35:0
239	97	44	23:44:49.666	488AL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R0	4	0	3,827,618	81:0
240	97	45	00:00:00.333	481UA4A	7VECT		Inert vect update UTC	2R0	4	0	3,827,633	82:0
241	97	45	04:17:59.000	488AL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	3,827,889	04:0
242	97	45	05:18:36.333	176D6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2R0	4	0	3,827,949	00:0
243	97	45	05:24:40.333	176KC6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	2R0	4	0	3,827,955	00:0
244	97	45	05:25:39.666	165QE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,827,955	89:0
245	97	45	05:25:40.333	165QE4B	7SCAN	NORM,196.422998,	Check S/P Position	2R0	4	0	3,827,955	90:0
246	97	45	05:32:39.000	488AM6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,827,962	81:0
247	97	45	05:45:53.000	165QF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,827,975	89:0
248	97	45	05:45:53.666	165QF4B	7SCAN	NORM,196.490999,	Check S/P Position	2R0	4	0	3,827,975	90:0
249	97	45	05:52:09.000	488AM6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,827,982	16:0
250	97	45	06:04:39.000	488AM6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,827,994	49:0
251	97	45	06:15:04.333	20XN4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R0	4	0	3,828,004	77:0
252	97	45	06:15:54.333	20XN4B	7SLEW	DIS,POS,0.0	Stator movement	2R0	4	0	3,828,005	61:0
253	97	45	06:17:15.000	176Z6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2R0	4	0	3,828,007	00:0
254	97	45	07:26:23.000	488AM6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,828,075	34:0
255	97	45	07:38:43.666	488AM6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,828,087	53:0
256	97	45	09:57:56.333	488AN6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,828,225	24:0
257	97	45	14:15:18.933	488AN6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,828,479	74:0
258	97	45	14:51:34.933	488AN6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	3,828,515	62:0
259	97	45	15:34:53.600	488AN6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R0	4	0	3,828,558	47:0
260	97	45	16:09:01.600	488AO6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	3,828,592	25:0
261	97	45	16:25:26.933	488AO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	3,828,608	47:0
262	97	45	18:16:22.933	488AO6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,828,718	21:0
263	97	45	18:48:22.933	488AO6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R0	4	0	3,828,749	80:0
264	97	45	19:56:38.933	488AO6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2R0	4	0	3,828,817	36:0
265	97	45	21:43:18.933	488AP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R0	4	0	3,828,922	81:0
266	**97**	**45**	**23:00:23.333**	**E4NNE6PREP01-**		**-----START------**		**2R0**	**4**	**0**	**:**	**:**
267	**97**	**45**	**23:30:43.333**	**E4NNE6PREP01-**		**-----STOP-------**		**2R0**	**4**	**0**	**:**	**:**
268	97	46	04:17:58.933	488AQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	3,829,313	20:0
269	97	46	05:32:38.933	488AQ6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,829,387	06:0
270	97	46	05:50:10.266	488AQ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,829,404	36:0
271	97	46	06:04:38.933	488AQ6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,829,418	65:0
272	97	46	07:16:26.933	488AQ6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,829,489	66:0
273	97	46	07:33:40.266	488AR6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,829,506	69:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	97	46	09:46:30.933	488AR6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,829,638	13:0
275	97	46	09:49:10.266	488AR6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,829,640	70:0
276	97	46	10:52:38.933	488AR6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,829,703	50:0
277	97	46	13:03:10.933	488AR6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,829,832	59:0
278	97	46	14:11:28.266	488AS6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,829,900	17:0
279	97	46	15:00:06.933	488AS6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,829,948	27:0
280	97	46	15:08:35.600	488AS6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,829,956	62:0
281	97	46	15:08:54.933	176E6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2R0	4	0	3,829,957	00:0
282	97	46	15:14:58.933	176KD6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	2R0	4	0	3,829,963	00:0
283	97	46	15:15:58.266	165QG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,829,963	89:0
284	97	46	15:15:58.933	165QG4B	7SCAN	NORM,208.939999,	Check S/P Position	2R0	4	0	3,829,963	90:0
285	97	46	15:36:11.600	165QH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,829,983	89:0
286	97	46	15:36:12.266	165QH4B	7SCAN	NORM,208.948,-13	Check S/P Position	2R0	4	0	3,829,983	90:0
287	97	46	16:05:52.266	488AS6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,830,013	30:0
288	97	46	16:06:04.266	20XO4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R0	4	0	3,830,013	48:0
289	97	46	16:06:54.266	20XO4B	7SLEW	DIS,POS,0.0	Stator movement	2R0	4	0	3,830,014	32:0
290	97	46	16:08:34.266	176AA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2R0	4	0	3,830,016	00:0
291	97	46	18:09:58.933	488AS6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,830,136	07:0
292	97	46	18:23:02.933	176F6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2R0	4	0	3,830,149	00:0
293	97	46	18:29:06.933	176KE6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	2R0	4	0	3,830,155	00:0
294	97	46	18:31:06.933	165QI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,830,156	89:0
295	97	46	18:31:07.600	165QI4B	7SCAN	NORM,196.547998,	Check S/P Position	2R0	4	0	3,830,156	90:0
296	97	46	18:51:20.266	165QJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,830,176	89:0
297	97	46	18:51:20.933	165QJ4B	7SCAN	NORM,196.445999,	Check S/P Position	2R0	4	0	3,830,176	90:0
298	97	46	18:54:46.933	488AT6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R0	4	0	3,830,180	35:0
299	97	46	19:21:04.266	20XP4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R0	4	0	3,830,206	35:0
300	97	46	19:21:54.266	20XP4B	7SLEW	DIS,POS,0.0	Stator movement	2R0	4	0	3,830,207	19:0
301	97	46	19:23:42.933	176AB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2R0	4	0	3,830,209	00:0
302	97	46	23:26:01.533	488AT6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2R0	4	0	3,830,448	59:0
303	97	46	23:39:40.866	488AT6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R0	4	0	3,830,462	14:0
304	97	47	02:50:00.200	488AU6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2R0	4	0	3,830,650	35:0
305	97	47	02:56:41.533	176TA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2R0	4	0	3,830,657	00:0
306	97	47	03:02:00.200	20YA4B	7SLEW	DIS,POS,0.0	Stator movement	2R0	4	0	3,830,662	23:0
307	97	47	03:03:00.200	20YA4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2R0	4	0	3,830,663	22:0
308	97	47	03:05:00.200	20YA4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R0	4	0	3,830,665	20:0
309	97	47	03:10:30.200	20YA4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2R0	4	0	3,830,670	60:0
310	97	47	03:10:30.866	20YA4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2R0	4	0	3,830,670	61:0
311	97	47	03:10:50.866	20YA4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2R0	4	0	3,830,671	00:0
312	97	47	03:10:51.533	20YA4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2R0	4	0	3,830,671	01:0
313	97	47	03:11:11.533	20YA4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2R0	4	0	3,830,671	31:0
314	97	47	03:11:12.200	20YA4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2R0	4	0	3,830,671	32:0
315	97	47	03:11:22.200	20YA4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2R0	4	0	3,830,671	47:0
316	97	47	03:11:22.866	20YA4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2R0	4	0	3,830,671	48:0
317	97	47	03:11:32.866	20YA4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2R0	4	0	3,830,671	63:0
318	97	47	03:11:33.533	20YA4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2R0	4	0	3,830,671	64:0
319	97	47	03:13:20.200	20YA4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2R0	4	0	3,830,673	42:0
320	97	47	03:13:20.866	20YA4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2R0	4	0	3,830,673	43:0
321	97	47	03:13:40.866	20YA4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2R0	4	0	3,830,673	73:0
322	97	47	03:13:41.533	20YA4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2R0	4	0	3,830,673	74:0
323	97	47	03:14:01.533	20YA4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2R0	4	0	3,830,674	13:0
324	97	47	03:14:02.200	20YA4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2R0	4	0	3,830,674	14:0
325	97	47	03:14:12.200	20YA4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2R0	4	0	3,830,674	29:0
326	97	47	03:14:12.866	20YA4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2R0	4	0	3,830,674	30:0
327	97	47	03:14:22.866	20YA4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2R0	4	0	3,830,674	45:0
328	97	47	03:14:23.533	20YA4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2R0	4	0	3,830,674	46:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	97	47	03:15:20.200	20YA4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2R0	4	0	3,830,675	40:0
330	97	47	04:00:04.200	20TA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R0	4	0	3,830,719	62:0
331	97	47	04:00:54.200	20TA4B	7SLEW	DIS,POS,0.0	Stator movement	2R0	4	0	3,830,720	46:0
332	97	47	04:02:24.866	176TB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2R0	4	0	3,830,722	00:0
333	97	47	04:17:58.866	488AU6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R0	4	0	3,830,737	36:0
334	97	47	05:00:00.200	488AU6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	3,830,778	87:0
335	97	47	05:28:22.866	488AU6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,830,807	02:0
336	97	47	05:32:24.200	176G6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2R0	4	0	3,830,811	00:0
337	97	47	05:39:28.866	176KF6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	2R0	4	0	3,830,818	00:0
338	97	47	05:40:28.200	165QK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,830,818	89:0
339	97	47	05:40:28.866	165QK4B	7SCAN	NORM,208.936998,	Check S/P Position	2R0	4	0	3,830,818	90:0
340	97	47	05:47:38.200	488AU6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,830,826	06:0
341	97	47	06:00:22.866	488AV6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,830,838	61:0
342	97	47	06:14:50.866	165QL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,830,852	89:0
343	97	47	06:14:51.533	165QL4B	7SCAN	NORM,208.851999,	Check S/P Position	2R0	4	0	3,830,852	90:0
344	97	47	06:44:04.200	20XS4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R0	4	0	3,830,881	80:0
345	97	47	06:44:54.200	20XS4B	7SLEW	DIS,POS,0.0	Stator movement	2R0	4	0	3,830,882	64:0
346	97	47	06:46:12.866	176AC6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2R0	4	0	3,830,884	00:0
347	97	47	07:11:30.866	488AV6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,830,909	02:0
348	97	47	07:28:36.200	488AV6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,830,925	84:0
349	97	47	09:18:46.866	488AV6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,831,034	81:0
350	97	47	09:30:30.200	488AV6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,831,046	44:0
351	97	47	11:13:58.866	488AW6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,831,148	75:0
352	97	47	13:03:16.200	488AW6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,831,256	83:0
353	97	47	14:11:32.866	488AW6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R0	4	0	3,831,324	40:0
354	97	47	14:55:50.866	488AW6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,831,368	23:0
355	97	47	15:08:30.200	488AW6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,831,380	70:0
356	97	47	16:05:47.533	488AX6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,831,437	39:0
357	97	47	16:59:56.200	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R0	4	0	3,831,490	89:0
358	97	47	17:04:07.533	20ZM6A	6EUVON			2R0	4	0	3,831,495	11:0
359	97	47	17:05:00.866	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2R0	4	0	3,831,496	00:0
360	97	47	17:20:54.866	488AX6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	3,831,511	66:0
361	97	47	18:05:42.866	488AX6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	3,831,556	03:0
362	**97**	**47**	**18:19:55.666**	**J5NNOPCAL_01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
363	**97**	**47**	**18:20:46.200**	**125DN4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**3,831,570**	**84:0**
364	97	47	18:20:46.200	125DN	NIMSINIT	GS	##### GROUP START INIT	260	4	0	3,831,570	84:0
365	**97**	**47**	**18:21:46.866**	**125DN4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,831,571**	**84:0**
366	97	47	18:21:46.866	125DN11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	3,831,571	84:0
367	**97**	**47**	**18:25:49.533**	**125DA4A**	**37IST**	**0,0,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**3,831,575**	**84:0**
368	97	47	18:25:49.533	125DA	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	3,831,575	84:0
369	97	47	18:26:50.200	125DA11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	3,831,576	84:0
370	**97**	**47**	**18:26:50.200**	**125DA4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,831,576**	**84:0**
371	97	47	18:29:52.200	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	3,831,579	84:0
372	**97**	**47**	**18:29:52.200**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,831,579**	**84:0**
373	**97**	**47**	**18:29:52.866**	**127DA4B**	**37ETB**	**07,C7,31,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,831,579**	**85:0**
374	97	47	18:30:02.200	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,831,580	08:0
375	**97**	**47**	**18:31:17.533**	**432DA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**3,831,581**	**30:0**
376	97	47	18:31:53.533	125DI	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,831,581	84:0
377	97	47	18:31:53.533	125DI11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,831,581	84:0
378	**97**	**47**	**18:31:53.533**	**125DI4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**3,831,581**	**84:0**
379	**97**	**47**	**18:33:54.866**	**125EU4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,831,583**	**84:0**
380	97	47	18:33:54.866	125DJ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,831,583	84:0
381	97	47	18:33:54.866	125EU11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,831,583	84:0
382	97	47	18:33:54.866	125EU	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,831,583	84:0
383	97	47	18:33:54.866	125DJ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,831,583	84:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	**97**	**47**	**18:33:54.866**	**125DJ4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**3,831,583:84:0**	
385	**97**	**47**	**18:34:18.200**	**432DI6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,831,584:28:0**	
386	97	47	18:34:55.533	127DX	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,831,584:84:0	
387	**97**	**47**	**18:34:55.533**	**127DX4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**3,831,584:84:0**	
388	**97**	**47**	**18:34:56.200**	**127DX4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**3,831,584:85:0**	
389	97	47	18:35:05.533	127DX11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	3,831,585:08:0	
390	**97**	**47**	**18:35:56.200**	**125FZ4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,831,585:84:0**	
391	97	47	18:35:56.200	125FZ	NIMSINIT	GS	##### GROUP START INIT	460	4	0	3,831,585:84:0	
392	**97**	**47**	**18:36:56.866**	**125FZ4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**3,831,586:84:0**	
393	97	47	18:36:56.866	125FZ11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	3,831,586:84:0	
394	**97**	**47**	**18:37:06.999**	**J5NNOPCAL_01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
395	97	47	18:50:30.866	488AX6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,831,600:31:0	
396	97	47	22:59:54.866	176TC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	3,831,847:00:0	
397	**97**	**47**	**23:05:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,831,852:02:7**	
398	**97**	**47**	**23:05:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,831,852:02:7**	
399	**97**	**47**	**23:05:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,831,852:02:7**	
400	**97**	**47**	**23:05:00.000**	**20A3FB**	**37F2P**	**Final Condition**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,831,852:02:7**	
401	**97**	**47**	**23:05:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,831,852:02:7**	
402	**97**	**47**	**23:05:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,831,852:02:7**	
403	**97**	**47**	**23:05:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,831,852:02:7**	
404	**97**	**47**	**23:05:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**3,831,852:02:7**	
405	**97**	**47**	**23:05:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,831,852:02:7**	
406	97	47	23:05:00.200		DMS:	: READY	RDY, TRACK 2, REV, TIC 1096.00 +/-	4O0	4	0	3,831,852:03:0	

E4NNOPCAL_01

OAPEL: E4NNOPCAL_01 ALIAS: E4NNOPCAL_01
EXT: R PSID: DN
SCLK1: 03740784:00:0 SCLK2: 03740788:12:0
SCET1: 1996-350/00:25:09.600 SCET2: 1996-350/00:29:20.266
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: 1 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: 120 TLMFMT: RT

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

WETGID: 0302120000 03 02 120 000
WTGRP_SIZ: 2

EDIT TABLE

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

E4JNGLOMOS01

OAPEL: E4JNGLOMOS01 ALIAS: E4JNGLOMOS01
EXT: A PSID: DA
SCLK1: 03743811:89:0 SCLK2: 03743813:47:0
SCET1: 96-352/03:26:47.466 SCET2: 96-352/03:28:20.800
TARGET: JUPITER PARTITION: 1

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

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

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

WETGID: 0713005001 07 13 005 001
WTGRP_SIZ: 13

EDIT TABLE

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

E4JNGLOMOS02

```
OAPEL:  E4JNGLOMOS02              ALIAS:  E4JNGLOMOS02
EXT:    A                         PSID:   DB
SCLK1:  03743908:90:0             SCLK2:  03743913:39:0
SCET1:    96-352/05:04:52.133     SCET2:    96-352/05:09:21.466
TARGET: JUPITER                   PARTITION: 1

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

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

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

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

EDIT TABLE

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

E4NNHEALTH01

```
OAPEL:  E4NNHEALTH01            ALIAS:  E4NNHEALTH01
EXT:    R                       PSID:   FY
SCLK1:  03744238:00:0           SCLK2:  03744238:12:0
SCET1:  1996-352/10:37:32.133   SCET2:  1996-352/10:37:40.133
TARGET: CAL                     PARTITION: 1

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

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

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

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

EDIT TABLE

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

E4JNFEA05501

```
OAPEL:  E4JNFEA05501            ALIAS:  E4JNFEA05501
EXT:    A                       PSID:   DG
SCLK1:  03744539:87:0           SCLK2:  03744546:47:0
SCET1:    96-352/15:42:51.367   SCET2:    96-352/15:49:29.466
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:    5                  TLMFMT:    LPU

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

WETGID:    0507005001          05  07  005  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01100	0,0001,0001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00A00	0,0000,1010,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

E4JNFEA05502

```
OAPEL:  E4JNFEA05502            ALIAS:  E4JNFEA05502
EXT:    A                       PSID:   DH
SCLK1:  03744551:87:0           SCLK2:  03744558:48:0
SCET1:    96-352/15:54:59.366   SCET2:    96-352/16:01:37.400
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:    4                  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:    0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01100	0,0001,0001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00800	0,0000,1000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

E4JNFEA05503

```
OAPEL:  E4JNFEA05503            ALIAS:  E4JNFEA05503
EXT:    A                       PSID:   DI
SCLK1:  03744619:87:0           SCLK2:  03744626:47:0
SCET1:    96-352/17:03:44.698   SCET2:    96-352/17:10:22.733
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:    4                  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:    0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01100	0,0001,0001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00800	0,0000,1000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

E4INCOOLCV01

```
OAPEL:  E4INCOOLCV01              ALIAS:  E4INCOOLCV01
EXT:    A                         PSID:   DK
SCLK1:  03744745:19:0             SCLK2:  03744745:34:0
SCET1:    96-352/19:10:23.359     SCET2:    96-352/19:10:32.733
TARGET: IO                        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:       0                      RECORD:    1

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INCOOLCV01

```
OAPEL:  E4INCOOLCV01            ALIAS:  E4INCOOLCV01
EXT:    B                       PSID:   DK
SCLK1:  03744745:83:0           SCLK2:  03744746:06:0
SCET1:    96-352/19:11:05.400   SCET2:    96-352/19:11:14.733
TARGET: IO                      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:       0                    RECORD:    1

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INCOOLCV01

```
OAPEL:  E4INCOOLCV01              ALIAS:  E4INCOOLCV01
EXT:    C                         PSID:   DK
SCLK1:  03744747:06:0             SCLK2:  03744747:20:0
SCET1:    96-352/19:12:15.400     SCET2:    96-352/19:12:24.733
TARGET: IO                        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:       0                      RECORD:    1

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INCOOLCV01

```
OAPEL:  E4INCOOLCV01              ALIAS:  E4INCOOLCV01
EXT:    D                         PSID:   DK
SCLK1:  03744749:13:0             SCLK2:  03744749:26:0
SCET1:    96-352/19:14:21.400     SCET2:    96-352/19:14:30.733
TARGET: IO                        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:       0                      RECORD:    1

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INCOOLCV01

```
OAPEL:  E4INCOOLCV01              ALIAS:  E4INCOOLCV01
EXT:    E                         PSID:   DK
SCLK1:  03744750:89:0             SCLK2:  03744751:12:0
SCET1:    96-352/19:16:13.400     SCET2:    96-352/19:16:22.733
TARGET: IO                        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:       0                      RECORD:    1

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INRTIMON01

```
OAPEL:  E4INRTIMON01              ALIAS:  E4INRTIMON01
EXT:    R                         PSID:   FR
SCLK1:  03744814:00:0             SCLK2:  03744814:12:0
SCET1:  1996-352/20:19:56.066     SCET2:  1996-352/20:20:04.066
TARGET: IO                        PARTITION: 1

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

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

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

WETGID:    0702008000          07  02  008  000
WTGRP_SIZ:  2
```

EDIT TABLE

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

E4INWARMCV01

```
OAPEL:  E4INWARMCV01              ALIAS:  E4INWARMCV01
EXT:    A                         PSID:   DL
SCLK1:  03744881:23:0             SCLK2:  03744881:39:0
SCET1:    96-352/21:27:56.733     SCET2:    96-352/21:28:07.400
TARGET: IO                        PARTITION: 1

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

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV01

```
OAPEL:  E4INWARMCV01              ALIAS:  E4INWARMCV01
EXT:    B                         PSID:   DL
SCLK1:  03744882:06:0             SCLK2:  03744882:24:0
SCET1:    96-352/21:28:46.020     SCET2:    96-352/21:28:57.400
TARGET: IO                        PARTITION: 1

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

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV01

```
OAPEL:  E4INWARMCV01              ALIAS:  E4INWARMCV01
EXT:    C                         PSID:   DL
SCLK1:  03744882:82:0             SCLK2:  03744883:07:0
SCET1:    96-352/21:29:36.733     SCET2:    96-352/21:29:47.400
TARGET: IO                        PARTITION: 1

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

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV01

```
OAPEL:  E4INWARMCV01              ALIAS:  E4INWARMCV01
EXT:    D                         PSID:   DL
SCLK1:  03744883:65:0             SCLK2:  03744883:83:0
SCET1:    96-352/21:30:25.687     SCET2:    96-352/21:30:37.400
TARGET: IO                        PARTITION: 1

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

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV01

OAPEL: E4INWARMCV01 ALIAS: E4INWARMCV01
EXT: E PSID: DL
SCLK1: 03744884:76:0 SCLK2: 03744885:00:0
SCET1: 96-352/21:31:33.400 SCET2: 96-352/21:31:44.066
TARGET: IO PARTITION: 1

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

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

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

WETGID: 0713010001 07 13 010 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV01

```
OAPEL:  E4INWARMCV01              ALIAS:  E4INWARMCV01
EXT:    F                         PSID:   DL
SCLK1:  03744887:00:0             SCLK2:  03744887:19:0
SCET1:    96-352/21:33:45.020     SCET2:    96-352/21:33:57.400
TARGET: IO                        PARTITION: 1

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

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV02

OAPEL: E4INWARMCV02 ALIAS: E4INWARMCV02
EXT: A PSID: DM
SCLK1: 03744915:48:0 SCLK2: 03744915:64:0
SCET1: 96-352/22:02:36.066 SCET2: 96-352/22:02:46.733
TARGET: IO PARTITION: 1

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

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

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

WETGID: 0713010001 07 13 010 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV02

```
OAPEL:  E4INWARMCV02              ALIAS:  E4INWARMCV02
EXT:    B                         PSID:   DM
SCLK1:  03744916:00:0             SCLK2:  03744916:17:0
SCET1:    96-352/22:03:04.353     SCET2:    96-352/22:03:16.066
TARGET: IO                        PARTITION: 1

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

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4JNFEA04101

```
OAPEL:  E4JNFEA04101            ALIAS:  E4JNFEA04101
EXT:    A                       PSID:   DO
SCLK1:  03745119:87:0           SCLK2:  03745126:47:0
SCET1:    96-353/01:29:18.012   SCET2:    96-353/01:35:56.066
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:    4                  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:    0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01100	0,0001,0001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00800	0,0000,1000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

E4JNFEA04102

```
OAPEL:  E4JNFEA04102            ALIAS:  E4JNFEA04102
EXT:    A                       PSID:   DQ
SCLK1:  03745140:87:0           SCLK2:  03745141:21:0
SCET1:    96-353/01:50:32.011   SCET2:    96-353/01:50:48.733
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:    4                  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:    0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01100	0,0001,0001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00800	0,0000,1000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

E4JNFEA04103

```
OAPEL:  E4JNFEA04103            ALIAS:  E4JNFEA04103
EXT:    A                       PSID:   DR
SCLK1:  03745225:87:0           SCLK2:  03745231:09:0
SCET1:    96-353/03:16:28.675   SCET2:    96-353/03:21:40.066
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:    4                  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:    0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01100	0,0001,0001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00800	0,0000,1000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

E4NNHEALTH02

```
OAPEL:  E4NNHEALTH02            ALIAS:  E4NNHEALTH02
EXT:    R                       PSID:   FX
SCLK1:  03745274:00:0           SCLK2:  03745274:12:0
SCET1:  1996-353/04:05:02.733   SCET2:  1996-353/04:05:10.733
TARGET: CAL                     PARTITION: 1

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

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

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

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

EDIT TABLE

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

E4JNRTHOTS01

OAPEL: E4JNRTHOTS01 ALIAS: E4JNRTHOTS01
EXT: R PSID: DY
SCLK1: 03745713:00:0 SCLK2: 03745713:12:0
SCET1: 1996-353/11:28:55.400 SCET2: 1996-353/11:29:03.400
TARGET: JUPITER PARTITION: 1

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

E4JNFEA01601

```
OAPEL:  E4JNFEA01601            ALIAS:  E4JNFEA01601
EXT:    A                       PSID:   DV
SCLK1:  03745731:87:0           SCLK2:  03745733:25:0
SCET1:    96-353/11:48:05.989   SCET2:    96-353/11:49:26.066
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:   19                  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:    0507019001          05  07  019  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11501	1,0001,0101,0000,0001
2	1A000	1,1010,0000,0000,0000
3	00802	0,0000,1000,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

E4JNFEA01602

```
OAPEL:  E4JNFEA01602            ALIAS:  E4JNFEA01602
EXT:    A                       PSID:   DW
SCLK1:  03745739:87:0           SCLK2:  03745745:78:0
SCET1:    96-353/11:56:11.323   SCET2:    96-353/12:02:08.733
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   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

E4JNFEA01604

OAPEL: E4JNFEA01604 ALIAS: E4JNFEA01604
EXT: A PSID: EA
SCLK1: 03745846:77:0 SCLK2: 03745851:67:0
SCET1: 96-353/13:44:15.400 SCET2: 96-353/13:49:12.733
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: 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

E4JNFEASUB01

```
OAPEL:  E4JNFEASUB01              ALIAS:  E4JNFEASUB01
EXT:    A                         PSID:   EB
SCLK1:  03745858:89:0             SCLK2:  03745882:61:0
SCET1:    96-353/13:56:32.066     SCET2:    96-353/14:20:29.400
TARGET: JUPITER                   PARTITION: 1

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

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

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

WETGID:    0326080001          03  26  080  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	11400	1,0001,0100,0000,0000
1	11400	1,0001,0100,0000,0000
2	11400	1,0001,0100,0000,0000
3	11400	1,0001,0100,0000,0000
4	11400	1,0001,0100,0000,0000
5	11400	1,0001,0100,0000,0000
6	11400	1,0001,0100,0000,0000
7	19400	1,1001,0100,0000,0000
8	1A400	1,1010,0100,0000,0000
9	1A400	1,1010,0100,0000,0000
10	0A400	0,1010,0100,0000,0000
11	0A400	0,1010,0100,0000,0000
12	0A400	0,1010,0100,0000,0000
13	0AC00	0,1010,1100,0000,0000
14	0A800	0,1010,1000,0000,0000
15	0A800	0,1010,1000,0000,0000
16	1A800	1,1010,1000,0000,0000
17	1A800	1,1010,1000,0000,0000
18	1A800	1,1010,1000,0000,0000
19	1A800	1,1010,1000,0000,0000
20	12800	1,0010,1000,0000,0000
21	12800	1,0010,1000,0000,0000
22	12800	1,0010,1000,0000,0000
23	12800	1,0010,1000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

E4JNPFTB1603

```
OAPEL:  E4JNPFTB1603            ALIAS:  E4JNPFTB1603
EXT:    A                       PSID:   ED
SCLK1:  03745929:87:0           SCLK2:  03745930:36:0
SCET1:    96-353/15:08:17.982   SCET2:    96-353/15:08:44.733
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:   19                  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:    0507019001          05  07  019  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11501	1,0001,0101,0000,0001
2	1A000	1,1010,0000,0000,0000
3	00802	0,0000,1000,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

E4INHRSPEC01

```
OAPEL:  E4INHRSPEC01              ALIAS:  E4INHRSPEC01
EXT:    A                         PSID:   EH
SCLK1:  03746296:47:0             SCLK2:  03746297:46:0
SCET1:    96-353/21:18:56.066     SCET2:    96-353/21:19:56.066
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:    1                    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:    0326001001          03  26  001  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00200	0,0000,0010,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

E4INHRSPEC01

OAPEL: E4INHRSPEC01 ALIAS: E4INHRSPEC01
EXT: B PSID: EH
SCLK1: 03746304:77:0 SCLK2: 03746310:18:0
SCET1: 96-353/21:27:20.968 SCET2: 96-353/21:32:45.634
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: 96 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: 0326096001 03 26 096 001
WTGRP_SIZ: 26

EDIT TABLE

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

E4ENXDARLI01

```
OAPEL:  E4ENXDARLI01              ALIAS:  E4ENXDARLI01
EXT:    A                         PSID:   EI
SCLK1:  03746514:19:0             SCLK2:  03746516:90:0
SCET1:    96-354/00:59:02.293     SCET2:    96-354/01:01:50.666
TARGET: EUROPA                    PARTITION: 1

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

MB_DOWN:   00000                  MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                    EST_COMPV: 0.3
RATE_CON1: 00000                  RATE_CON2: 65525
NWAVETOT:   96                    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:    0113096001          01  13  096  001
WTGRP_SIZ: 13
```

EDIT TABLE

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

E4ENXDARLI01

```
OAPEL:  E4ENXDARLI01            ALIAS:  E4ENXDARLI01
EXT:    B                       PSID:   EI
SCLK1:  03746517:00:0           SCLK2:  03746520:70:0
SCET1:    96-354/01:01:51.333   SCET2:    96-354/01:05:40.293
TARGET: EUROPA                  PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   96                  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:    0113096001          01  13  096  001
WTGRP_SIZ: 13
```

EDIT TABLE

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

E4ENSUCOMP02

```
OAPEL:  E4ENSUCOMP02              ALIAS:  E4ENSUCOMP02
EXT:    A                         PSID:   EM
SCLK1:  03746763:36:0             SCLK2:  03746781:71:0
SCET1:    96-354/05:10:59.333     SCET2:    96-354/05:29:35.333
TARGET: EUROPA                    PARTITION: 1

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

MB_DOWN:   00000                  MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                    EST_COMPV: 0.3
RATE_CON1: 00000                  RATE_CON2: 65525
NWAVETOT:  192                    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:    0326192001          03  26  192  001
WTGRP_SIZ: 26
```

EDIT TABLE

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

E4ENSUCOMP01

```
OAPEL:  E4ENSUCOMP01            ALIAS:  E4ENSUCOMP01
EXT:    A                       PSID:   EN
SCLK1:  03746805:31:0           SCLK2:  03746823:51:0
SCET1:    96-354/05:53:24.666   SCET2:    96-354/06:11:49.333
TARGET: EUROPA                  PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  192                  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:    0326192001          03  26  192  001
WTGRP_SIZ: 26
```

EDIT TABLE

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

E4ENSUCOMP03

```
OAPEL:  E4ENSUCOMP03            ALIAS:  E4ENSUCOMP03
EXT:    A                       PSID:   CO
SCLK1:  03746837:26:0           SCLK2:  03746849:87:0
SCET1:    96-354/06:25:42.666   SCET2:    96-354/06:38:31.333
TARGET: EUROPA                  PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  384                  TLMFMT:    MPW

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

WETGID:    0326384001          03  26  384  001
WTGRP_SIZ: 26
```

EDIT TABLE

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

E4JNFEA09501

```
OAPEL:  E4JNFEA09501            ALIAS:  E4JNFEA09501
EXT:    A                       PSID:   EP
SCLK1:  03747104:87:0           SCLK2:  03747111:51:0
SCET1:    96-354/10:56:21.272   SCET2:    96-354/11:03:02.000
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:    4                  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:    0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01100	0,0001,0001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00800	0,0000,1000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

E4JNFEA09502

```
OAPEL:  E4JNFEA09502            ALIAS:  E4JNFEA09502
EXT:    A                       PSID:   EQ
SCLK1:  03747140:87:0           SCLK2:  03747147:48:0
SCET1:    96-354/11:32:45.270   SCET2:    96-354/11:39:24.000
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:    4                  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:    0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01100	0,0001,0001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00800	0,0000,1000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

E4JNFEA09503

```
OAPEL:  E4JNFEA09503            ALIAS:  E4JNFEA09503
EXT:    A                       PSID:   ER
SCLK1:  03747158:87:0           SCLK2:  03747159:33:0
SCET1:    96-354/11:50:57.270   SCET2:    96-354/11:51:22.000
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:    5                  TLMFMT:    LPU

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

WETGID:    0507005001          05  07  005  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01100	0,0001,0001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00A00	0,0000,1010,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

E4INCOOLCV02

```
OAPEL:  E4INCOOLCV02              ALIAS:  E4INCOOLCV02
EXT:    A                         PSID:   EV
SCLK1:  03747265:57:0             SCLK2:  03747265:75:0
SCET1:    96-354/13:38:48.000     SCET2:    96-354/13:39:00.666
TARGET: IO                        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:       0                      RECORD:    1

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INCOOLCV02

```
OAPEL:  E4INCOOLCV02              ALIAS:  E4INCOOLCV02
EXT:    B                         PSID:   EV
SCLK1:  03747266:19:0             SCLK2:  03747266:41:0
SCET1:    96-354/13:39:23.933     SCET2:    96-354/13:39:38.000
TARGET: IO                        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:       0                      RECORD:    1

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INCOOLCV02

```
OAPEL:  E4INCOOLCV02              ALIAS:  E4INCOOLCV02
EXT:    C                         PSID:   EV
SCLK1:  03747267:13:0             SCLK2:  03747267:34:0
SCET1:    96-354/13:40:20.266     SCET2:    96-354/13:40:34.000
TARGET: IO                        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:       0                      RECORD:    1

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INCOOLCV02

```
OAPEL:  E4INCOOLCV02              ALIAS:  E4INCOOLCV02
EXT:    D                         PSID:   EV
SCLK1:  03747267:70:0             SCLK2:  03747267:90:0
SCET1:    96-354/13:40:58.666     SCET2:    96-354/13:41:11.333
TARGET: IO                        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:       0                      RECORD:    1

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV03

OAPEL: E4INWARMCV03 ALIAS: E4INWARMCV03
EXT: A PSID: EY
SCLK1: 03747401:52:0 SCLK2: 03747401:72:0
SCET1: 96-354/15:56:16.000 SCET2: 96-354/15:56:29.333
TARGET: IO PARTITION: 1

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

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

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

WETGID: 0713010001 07 13 010 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV03

OAPEL: E4INWARMCV03 ALIAS: E4INWARMCV03
EXT: B PSID: EY
SCLK1: 03747402:65:0 SCLK2: 03747402:85:0
SCET1: 96-354/15:57:25.333 SCET2: 96-354/15:57:38.666
TARGET: IO PARTITION: 1

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

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

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

WETGID: 0713010001 07 13 010 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV03

OAPEL: E4INWARMCV03 ALIAS: E4INWARMCV03
EXT: C PSID: EY
SCLK1: 03747403:78:0 SCLK2: 03747404:07:0
SCET1: 96-354/15:58:34.666 SCET2: 96-354/15:58:48.000
TARGET: IO PARTITION: 1

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

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

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

WETGID: 0713010001 07 13 010 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV03

OAPEL: E4INWARMCV03 ALIAS: E4INWARMCV03
EXT: D PSID: EY
SCLK1: 03747405:00:0 SCLK2: 03747405:20:0
SCET1: 96-354/15:59:43.593 SCET2: 96-354/15:59:57.333
TARGET: IO PARTITION: 1

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

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

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

WETGID: 0713010001 07 13 010 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV03

OAPEL: E4INWARMCV03 ALIAS: E4INWARMCV03
EXT: E PSID: EY
SCLK1: 03747406:13:0 SCLK2: 03747406:33:0
SCET1: 96-354/16:00:52.926 SCET2: 96-354/16:01:06.666
TARGET: IO PARTITION: 1

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

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

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

WETGID: 0713010001 07 13 010 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV03

OAPEL: E4INWARMCV03 ALIAS: E4INWARMCV03
EXT: F PSID: EY
SCLK1: 03747407:26:0 SCLK2: 03747407:47:0
SCET1: 96-354/16:02:02.260 SCET2: 96-354/16:02:16.000
TARGET: IO PARTITION: 1

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

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

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

WETGID: 0713010001 07 13 010 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV03

```
OAPEL:  E4INWARMCV03              ALIAS:  E4INWARMCV03
EXT:    G                         PSID:   EY
SCLK1:  03747408:39:0             SCLK2:  03747408:59:0
SCET1:    96-354/16:03:11.593     SCET2:    96-354/16:03:25.333
TARGET: IO                        PARTITION: 1

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

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV03

OAPEL: E4INWARMCV03 ALIAS: E4INWARMCV03
EXT: H PSID: EY
SCLK1: 03747409:26:0 SCLK2: 03747409:46:0
SCET1: 96-354/16:04:03.593 SCET2: 96-354/16:04:17.333
TARGET: IO PARTITION: 1

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

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

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

WETGID: 0713010001 07 13 010 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INRTIMON02

```
OAPEL:  E4INRTIMON02              ALIAS:  E4INRTIMON02
EXT:    R                         PSID:   FS
SCLK1:  03747420:00:0             SCLK2:  03747421:12:0
SCET1:  1996-354/16:14:53.333     SCET2:  1996-354/16:16:02.000
TARGET: IO                        PARTITION: 1

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

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

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

WETGID:    0702008000          07  02  008  000
WTGRP_SIZ:  2
```

EDIT TABLE

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

E4INWARMCV04

```
OAPEL:  E4INWARMCV04              ALIAS:  E4INWARMCV04
EXT:    A                         PSID:   EZ
SCLK1:  03747426:70:0             SCLK2:  03747426:86:0
SCET1:    96-354/16:21:44.000     SCET2:    96-354/16:21:55.333
TARGET: IO                        PARTITION: 1

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

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV04

OAPEL: E4INWARMCV04 ALIAS: E4INWARMCV04
EXT: B PSID: EZ
SCLK1: 03747427:37:0 SCLK2: 03747427:57:0
SCET1: 96-354/16:22:23.333 SCET2: 96-354/16:22:36.666
TARGET: IO PARTITION: 1

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

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

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

WETGID: 0713010001 07 13 010 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV04

```
OAPEL:  E4INWARMCV04              ALIAS:  E4INWARMCV04
EXT:    C                         PSID:   EZ
SCLK1:  03747428:06:0             SCLK2:  03747428:28:0
SCET1:    96-354/16:23:03.260     SCET2:    96-354/16:23:18.000
TARGET: IO                        PARTITION: 1

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

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

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

WETGID:    0713010001          07  13  010  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4INWARMCV04

OAPEL: E4INWARMCV04 ALIAS: E4INWARMCV04
EXT: D PSID: EZ
SCLK1: 03747428:71:0 SCLK2: 03747428:89:0
SCET1: 96-354/16:23:46.000 SCET2: 96-354/16:23:58.666
TARGET: IO PARTITION: 1

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

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

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

WETGID: 0713010001 07 13 010 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1555D	1,0101,0101,0101,1101
1	1555D	1,0101,0101,0101,1101
2	1555D	1,0101,0101,0101,1101
3	1555D	1,0101,0101,0101,1101
4	1555D	1,0101,0101,0101,1101
5	1555D	1,0101,0101,0101,1101
6	1555D	1,0101,0101,0101,1101
7	1555D	1,0101,0101,0101,1101
8	1555D	1,0101,0101,0101,1101
9	1555D	1,0101,0101,0101,1101
10	1555D	1,0101,0101,0101,1101
11	1555D	1,0101,0101,0101,1101
12	00000	0,0000,0000,0000,0000

E4GNGLOBAL01

```
OAPEL:  E4GNGLOBAL01            ALIAS:  E4GNGLOBAL01
EXT:    A                       PSID:   FZ
SCLK1:  03747654:00:0           SCLK2:  03747655:43:0
SCET1:    96-354/20:11:29.333   SCET2:    96-354/20:12:59.333
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:  204                  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:    0326204001          03  26  204  001
WTGRP_SIZ: 26
```

EDIT TABLE

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

E4JNFEA14801

```
OAPEL:  E4JNFEA14801            ALIAS:  E4JNFEA14801
EXT:    A                       PSID:   FG
SCLK1:  03748289:87:0           SCLK2:  03748293:89:0
SCET1:    96-355/06:54:31.228   SCET2:    96-355/06:58:35.266
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:   15                  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:    0507015001          05  07  015  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11500	1,0001,0101,0000,0000
2	1A000	1,1010,0000,0000,0000
3	00800	0,0000,1000,0000,0000
4	09810	0,1001,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E4JNFEA14802

```
OAPEL:  E4JNFEA14802            ALIAS:  E4JNFEA14802
EXT:    A                       PSID:   FH
SCLK1:  03748299:87:0           SCLK2:  03748303:89:0
SCET1:    96-355/07:04:37.894   SCET2:    96-355/07:08:41.933
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   15                  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:    0507015001          05  07  015  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11500	1,0001,0101,0000,0000
2	1A000	1,1010,0000,0000,0000
3	00800	0,0000,1000,0000,0000
4	09810	0,1001,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E4JNFEA14803

```
OAPEL:  E4JNFEA14803            ALIAS:  E4JNFEA14803
EXT:    A                       PSID:   FI
SCLK1:  03748319:87:0           SCLK2:  03748323:89:0
SCET1:    96-355/07:24:51.228   SCET2:    96-355/07:28:55.266
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:   15                  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:    0507015001          05  07  015  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11500	1,0001,0101,0000,0000
2	1A000	1,1010,0000,0000,0000
3	00800	0,0000,1000,0000,0000
4	09810	0,1001,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E4NNHEALTH04

```
OAPEL:  E4NNHEALTH04            ALIAS:  E4NNHEALTH04
EXT:    R                       PSID:   FW
SCLK1:  03748357:00:0           SCLK2:  03748357:12:0
SCET1:  1996-355/08:02:17.933   SCET2:  1996-355/08:02:25.933
TARGET: CAL                     PARTITION: 1

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

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

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

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

EDIT TABLE

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

E4JNFEA53M01

OAPEL: E4JNFEA53M01 ALIAS: E4JNFEA53M01
EXT: A PSID: FJ
SCLK1: 03748409:56:0 SCLK2: 03748420:41:0
SCET1: 96-355/08:55:29.933 SCET2: 96-355/09:06:27.933
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: 160 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: 0326160001 03 26 160 001
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	0231F	0,0010,0011,0001,1111
22	0231F	0,0010,0011,0001,1111
23	0231F	0,0010,0011,0001,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

E4JNFEA5UM01

```
OAPEL:  E4JNFEA5UM01            ALIAS:  E4JNFEA5UM01
EXT:    A                       PSID:   FK
SCLK1:  03748532:32:0           SCLK2:  03748539:70:0
SCET1:    96-355/10:59:35.933   SCET2:    96-355/11:07:05.933
TARGET: JUPITER                 PARTITION: 1

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

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

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

WETGID:    0326080001          03  26  080  001
WTGRP_SIZ: 26
```

EDIT TABLE

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

E4JNFEA16001

```
OAPEL:  E4JNFEA16001            ALIAS:  E4JNFEA16001
EXT:    A                       PSID:   FN
SCLK1:  03748864:87:0           SCLK2:  03748866:79:0
SCET1:    96-355/16:35:54.540   SCET2:    96-355/16:37:50.600
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:    4                  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:    0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01100	0,0001,0001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00800	0,0000,1000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

E4JNFEA16002

```
OAPEL:  E4JNFEA16002            ALIAS:  E4JNFEA16002
EXT:    A                       PSID:   FO
SCLK1:  03748872:87:0           SCLK2:  03748874:85:0
SCET1:    96-355/16:43:59.873   SCET2:    96-355/16:45:59.933
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:    4                  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:    0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01100	0,0001,0001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00800	0,0000,1000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

E4JNFEA16003

```
OAPEL:  E4JNFEA16003            ALIAS:  E4JNFEA16003
EXT:    A                       PSID:   FP
SCLK1:  03748879:87:0           SCLK2:  03748881:55:0
SCET1:    96-355/16:51:04.639   SCET2:    96-355/16:52:44.600
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:    4                  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:    0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01100	0,0001,0001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00800	0,0000,1000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

E4RNMRING_01

```
OAPEL:  E4RNMRING_01            ALIAS:  E4RNMRING_01
EXT:    A                       PSID:   FM
SCLK1:  03748901:00:0           SCLK2:  03748901:90:0
SCET1:    96-355/17:12:20.600   SCET2:    96-355/17:13:21.266
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:    1                  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:    0113001001          01  13  001  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00200	0,0000,0010,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000

E4RNMRING_01

```
OAPEL:  E4RNMRING_01            ALIAS:  E4RNMRING_01
EXT:    B                       PSID:   FM
SCLK1:  03748904:90:0           SCLK2:  03748905:90:0
SCET1:    96-355/17:16:22.600   SCET2:    96-355/17:17:23.933
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:   96                  TLMFMT:    LPU

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

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

EDIT TABLE

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

E4NNPCTRLT01

OAPEL: E4NNPCTRLT01 ALIAS: E4NNPCTRLT01
EXT: R PSID: R
SCLK1: 03759395:00:0 SCLK2: 03759395:12:0
SCET1: 1996-363/02:02:56.200 SCET2: 1996-363/02:03:04.200
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

E4NNPCTRLT01

OAPEL: E4NNPCTRLT01 ALIAS: E4NNPCTRLT01
EXT: S PSID: R
SCLK1: 03759400:00:0 SCLK2: 03759409:12:0
SCET1: 1996-363/02:07:59.533 SCET2: 1996-363/02:17:13.533
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

J5NNOPCAL_01

OAPEL: J5NNOPCAL_01 ALIAS: J5NNOPCAL_01
EXT: R PSID: DN
SCLK1: 03831582:00:0 SCLK2: 03831583:12:0
SCET1: 1997-047/18:31:58.200 SCET2: 1997-047/18:33:06.866
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

J5NNOPCAL_01

OAPEL: J5NNOPCAL_01 ALIAS: J5NNOPCAL_01
EXT: S PSID: DN
SCLK1: 03831584:00:0 SCLK2: 03831584:12:0
SCET1: 1997-047/18:33:59.533 SCET2: 1997-047/18:34:07.533
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: 00000 MB_UP: 00000
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 048 TLMFMT: RT

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

WETGID: 0302048000 03 02 048 000
WTGRP_SIZ: 2

EDIT TABLE

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

NIMS E4 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS E4 data. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry. Included items come from NIMS commands in (1) the Standard Sequence Data File (SSDF) and (2) the Playback Table Update Process (PTUP), plus some items from (3) the NIMS/CDS software load.

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

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

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

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

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

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

```
-------------------------------------------------------------------------------------------------------------------------------
# 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
   JRINGS   - R - Jupiter rings
   (the single letter abbreviation appears as the third character in the OAPEL name ).
-------------------------------------------------------------------------------------------------------------------------------
```

```
-------------------------------------------------------------------------------------------------------------------------
E4NNOPCAL_01E4NNOPCAL_01RDN03740784:00:003740788:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12411100 1101111011 0 0.00.0000
0000000                 120RT 1996-350/00:25:09.6001996-350/00:29:20.266
          00000000000000000000000000000000000000000000000000302120000 224187000200000

E4JNGLOMOS01E4JNGLOMOS01ADA03743811:89:003743813:47:01         JUPITER  7214 1 1 0 5 012 1 1 0 5 01200010 0000000000 1 2.00.3000
0065525                   5LPU  96-352/03:26:47.466  96-352/03:28:20.800
          00000000000000000000000000000000000000000000000000007130050011301015810101581010158101015810101581010158101015810101581010158101015
810101581010158101015810101581010158101000000
E4JNGLOMOS02E4JNGLOMOS02ADB03743908:90:003743913:39:01         JUPITER  7214 1 1 0 5 012 1 1 0 5 01200010 0000000000 1 2.00.3000
0065525                   5LPU  96-352/05:04:52.133  96-352/05:09:21.466
          00000000000000000000000000000000000000000000000000007130050011301015810101581010158101015810101581010158101015810101581010158101015
810101581010158101015810101581010158101000000
E4NNHEALTH01E4NNHEALTH01RFY03744238:00:003744238:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 003RT 1996-352/10:37:32.1331996-352/10:37:40.133
          00000000000000000000000000000000000000000000000000302003000 201080442500000

E4JNFEA05501E4JNFEA05501ADG03744539:87:003744546:47:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   5LPU  96-352/15:42:51.367  96-352/15:49:29.466
          00000000000000000000000000000000000000000000000000507005001 701000000101100011000001 00A0010000001000000100000

E4JNFEA05502E4JNFEA05502ADH03744551:87:003744558:48:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  96-352/15:54:59.366  96-352/16:01:37.400
          00000000000000000000000000000000000000000000000000507004001 701000000101100011000001 00800010000001000000100000

E4JNFEA05503E4JNFEA05503ADI03744619:87:003744626:47:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  96-352/17:03:44.698  96-352/17:10:22.733
          00000000000000000000000000000000000000000000000000507004001 701000000101100011000001 00800010000001000000100000

E4INCOOLCV01E4INCOOLCV01ADK03744745:19:003744745:34:01         IO       7414 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-352/19:10:23.359  96-352/19:10:32.733
          03003003000003002902802802902803203403103103203002907130100011301155 5D011555D011555D011555D011555D011555D011555D011555D01155
5D011555D011555D011555D011555D0100000
E4INCOOLCV01E4INCOOLCV01BDK03744745:83:003744746:06:01         IO       7414 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-352/19:11:05.400  96-352/19:11:14.733
          03003003000003002902802802902803203403103103203002907130100011301155 5D011555D011555D011555D011555D011555D011555D011555D01155
5D011555D011555D011555D011555D0100000
E4INCOOLCV01E4INCOOLCV01CDK03744747:06:003744747:20:01         IO       7414 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-352/19:12:15.400  96-352/19:12:24.733
          03003003000003002902802802902803203403103103203002907130100011301155 5D011555D011555D011555D011555D011555D011555D011555D01155
5D011555D011555D011555D011555D0100000
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E4INCOOLCV01E4INCOOLCV01DDK03744749:13:003744749:26:01         IO       7414 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-352/19:14:21.400  96-352/19:14:30.733
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INCOOLCV01E4INCOOLCV01EDK03744750:89:003744751:12:01         IO       7414 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-352/19:16:13.400  96-352/19:16:22.733
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INRTIMON01E4INRTIMON01RFR03744814:00:003744814:12:01         IO       7214 1 1 021 012 1 1 021 01200100 1110000111 0 0.00.0000
0000000                 008RT 1996-352/20:19:56.0661996-352/20:20:04.066
          0000000000000000000000000000000000000000000000000702008000 21212A950100000

E4INWARMCV01E4INWARMCV01ADL03744881:23:003744881:39:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-352/21:27:56.733  96-352/21:28:07.400
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INWARMCV01E4INWARMCV01BDL03744882:06:003744882:24:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-352/21:28:46.020  96-352/21:28:57.400
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INWARMCV01E4INWARMCV01CDL03744882:82:003744883:07:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-352/21:29:36.733  96-352/21:29:47.400
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INWARMCV01E4INWARMCV01DDL03744883:65:003744883:83:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-352/21:30:25.687  96-352/21:30:37.400
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INWARMCV01E4INWARMCV01EDL03744884:76:003744885:00:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-352/21:31:33.400  96-352/21:31:44.066
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INWARMCV01E4INWARMCV01FDL03744887:00:003744887:19:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-352/21:33:45.020  96-352/21:33:57.400
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INWARMCV02E4INWARMCV02ADM03744915:48:003744915:64:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-352/22:02:36.066  96-352/22:02:46.733
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
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E4INWARMCV02E4INWARMCV02BDM03744916:00:003744916:17:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-352/22:03:04.353  96-352/22:03:16.066
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4JNFEA04101E4JNFEA04101ADO03745119:87:003745126:47:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  96-353/01:29:18.012  96-353/01:35:56.066
          0000000000000000000000000000000000000000000000000507004001 7010000001011000110000010080001000000100000100000

E4JNFEA04102E4JNFEA04102ADQ03745140:87:003745141:21:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  96-353/01:50:32.011  96-353/01:50:48.733
          0000000000000000000000000000000000000000000000000507004001 7010000001011000110000010080001000000100000100000

E4JNFEA04103E4JNFEA04103ADR03745225:87:003745231:09:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  96-353/03:16:28.675  96-353/03:21:40.066
          0000000000000000000000000000000000000000000000000507004001 7010000001011000110000010080001000000100000100000

E4NNHEALTH02E4NNHEALTH02RFX03745274:00:003745274:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 003RT 1996-353/04:05:02.7331996-353/04:05:10.733
          0000000000000000000000000000000000000000000000000302003000 201080442500000

E4JNRTHOTS01E4JNRTHOTS01RDY03745713:00:003745713:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1996-353/11:28:55.4001996-353/11:29:03.400
          0000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

E4JNFEA01601E4JNFEA01601ADV03745731:87:003745733:25:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  19LPU  96-353/11:48:05.989  96-353/11:49:26.066
          0000000000000000000000000000000000000000000000000507019001 7010040001115010110A000010080201 0B8100100C010100000

E4JNFEA01602E4JNFEA01602ADW03745739:87:003745745:78:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  25LPU  96-353/11:56:11.323  96-353/12:02:08.733
          0000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201 0B8100100C010100000

E4JNFEA01604E4JNFEA01604AEA03745846:77:003745851:67:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  25LPU  96-353/13:44:15.400  96-353/13:49:12.733
          0000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201 0B8100100C010100000

E4JNFEASUB01E4JNFEASUB01AEB03745858:89:003745882:61:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  80LPU  96-353/13:56:32.066  96-353/14:20:29.400
          0000000000000000000000000000000000000000000000000326080001260111400011140001114000111400011140001114000111400011940
00011A400011A400010A400010A400010A400010AC00010A800010A800011A800011A800011A800011A800011280001128000112800011280001000000100000
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E4JNPFTB1603E4JNPFTB1603AED03745929:87:003745930:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  19LPU  96-353/15:08:17.982  96-353/15:08:44.733
          00000000000000000000000000000000000000000000000000507019001 701004000111501011A0000100802010B8100100C010100000

E4INHRSPEC01E4INHRSPEC01AEH03746296:47:003746297:46:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                   1LPU  96-353/21:18:56.066  96-353/21:19:56.066
          03003003000003002902802802902803203403103103203002903260010012601000000100000010000001000000100000010000001000
0001000000100000010000001000000100000010020001000000100000010000001000000100000010000001000000100000010000001000000100000
E4INHRSPEC01E4INHRSPEC01BEH03746304:77:003746310:18:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  96LPU  96-353/21:27:20.968  96-353/21:32:45.634
          03003003000003002902802802902803203403103103203002903260960012601000000011FDFF010000001000000100000011FDFF010000001000
000100000011FDFF010000001000000100000011FDFF010000001000000100000011FDFF010000001000000100000011FDFF010000001000000100000
E4ENXDARLI01E4ENXDARLI01AEI03746514:19:003746516:90:01         EUROPA   1214 1 1 0 0 212 1 1 0 0 21200012 0000000000 1 2.00.3000
0065525                  96MPW  96-354/00:59:02.293  96-354/01:01:50.666
          03003003000003002902802802902803203403103103203002901130960011301 1FDFF0100000011FDFF0100000011FDFF0100000011FDFF01000
00011FDFF0100000011FDFF01000000100000
E4ENXDARLI01E4ENXDARLI01BEI03746517:00:003746520:70:01         EUROPA   1314 1 1 0 0 212 1 1 0 0 21200012 0000000000 1 2.00.3000
0065525                  96MPW  96-354/01:01:51.333  96-354/01:05:40.293
          03003003000003002902802802902803203403103103203002901130960011301 1FDFF0100000011FDFF0100000011FDFF0100000011FDFF01000
00011FDFF0100000011FDFF01000000100000
E4ENSUCOMP02E4ENSUCOMP02AEM03746763:36:003746781:71:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 192LPU  96-354/05:10:59.333  96-354/05:29:35.333
          00000000000000000000000000000000000000000000000000326192001260100000011FDFF0100000011FDFF0100000011FDFF0100000011FD
FF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF01000000100000
E4ENSUCOMP01E4ENSUCOMP01AEN03746805:31:003746823:51:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 192MPW  96-354/05:53:24.666  96-354/06:11:49.333
          00000000000000000000000000000000000000000000000000326192001260100000011FDFF0100000011FDFF0100000011FDFF0100000011FD
FF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF01000000100000
E4ENSUCOMP03E4ENSUCOMP03ACO03746837:26:003746849:87:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 384MPW  96-354/06:25:42.666  96-354/06:38:31.333
          00000000000000000000000000000000000000000000000000326384001260 11FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FD
FF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF01000000100000
E4JNFEA09501E4JNFEA09501AEP03747104:87:003747111:51:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  96-354/10:56:21.272  96-354/11:03:02.000
          00000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000001000000

E4JNFEA09502E4JNFEA09502AEQ03747140:87:003747147:48:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  96-354/11:32:45.270  96-354/11:39:24.000
          00000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000001000000

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E4JNFEA09503E4JNFEA09503AER03747158:87:003747159:33:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   5LPU  96-354/11:50:57.270  96-354/11:51:22.000
          0000000000000000000000000000000000000000000000000000507005001 7010000001011000110000010 0A0001000000100000010000 0

E4INCOOLCV02E4INCOOLCV02AEV03747265:57:003747265:75:01         IO       7414 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/13:38:48.000  96-354/13:39:00.666
          0300300300000300290280280290280320340310310320300290713010001130115 55D011555D011555D011555D011555D011555D011555D01155
5D011555D011555D011555D011555D0100000
E4INCOOLCV02E4INCOOLCV02BEV03747266:19:003747266:41:01         IO       7414 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/13:39:23.933  96-354/13:39:38.000
          0300300300000300290280280290280320340310310320300290713010001130115 55D011555D011555D011555D011555D011555D011555D01155
5D011555D011555D011555D011555D0100000
E4INCOOLCV02E4INCOOLCV02CEV03747267:13:003747267:34:01         IO       7414 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/13:40:20.266  96-354/13:40:34.000
          0300300300000300290280280290280320340310310320300290713010001130115 55D011555D011555D011555D011555D011555D011555D01155
5D011555D011555D011555D011555D0100000
E4INCOOLCV02E4INCOOLCV02DEV03747267:70:003747267:90:01         IO       7414 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/13:40:58.666  96-354/13:41:11.333
          0300300300000300290280280290280320340310310320300290713010001130115 55D011555D011555D011555D011555D011555D011555D01155
5D011555D011555D011555D011555D0100000
E4INWARMCV03E4INWARMCV03AEY03747401:52:003747401:72:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/15:56:16.000  96-354/15:56:29.333
          0300300300000300290280280290280320340310310320300290713010001130115 55D011555D011555D011555D011555D011555D011555D01155
5D011555D011555D011555D011555D0100000
E4INWARMCV03E4INWARMCV03BEY03747402:65:003747402:85:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/15:57:25.333  96-354/15:57:38.666
          0300300300000300290280280290280320340310310320300290713010001130115 55D011555D011555D011555D011555D011555D011555D01155
5D011555D011555D011555D011555D0100000
E4INWARMCV03E4INWARMCV03CEY03747403:78:003747404:07:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/15:58:34.666  96-354/15:58:48.000
          0300300300000300290280280290280320340310310320300290713010001130115 55D011555D011555D011555D011555D011555D011555D01155
5D011555D011555D011555D011555D0100000
E4INWARMCV03E4INWARMCV03DEY03747405:00:003747405:20:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/15:59:43.593  96-354/15:59:57.333
          0300300300000300290280280290280320340310310320300290713010001130115 55D011555D011555D011555D011555D011555D011555D01155
5D011555D011555D011555D011555D0100000
E4INWARMCV03E4INWARMCV03EEY03747406:13:003747406:33:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/16:00:52.926  96-354/16:01:06.666
          0300300300000300290280280290280320340310310320300290713010001130115 55D011555D011555D011555D011555D011555D011555D01155
5D011555D011555D011555D011555D0100000
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E4INWARMCV03E4INWARMCV03FEY03747407:26:003747407:47:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/16:02:02.260  96-354/16:02:16.000
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INWARMCV03E4INWARMCV03GEY03747408:39:003747408:59:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/16:03:11.593  96-354/16:03:25.333
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INWARMCV03E4INWARMCV03HEY03747409:26:003747409:46:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/16:04:03.593  96-354/16:04:17.333
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INRTIMON02E4INRTIMON02RFS03747420:00:003747421:12:01         IO       7214 1 1 021 012 1 1 021 01200100 1110000111 0 0.00.0000
0000000                 008RT 1996-354/16:14:53.3331996-354/16:16:02.000
          0000000000000000000000000000000000000000000000000702008000 21212A950100000

E4INWARMCV04E4INWARMCV04AEZ03747426:70:003747426:86:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/16:21:44.000  96-354/16:21:55.333
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INWARMCV04E4INWARMCV04BEZ03747427:37:003747427:57:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/16:22:23.333  96-354/16:22:36.666
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INWARMCV04E4INWARMCV04CEZ03747428:06:003747428:28:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/16:23:03.260  96-354/16:23:18.000
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4INWARMCV04E4INWARMCV04DEZ03747428:71:003747428:89:01         IO       7214 1 1 021 012 1 1 021 01200012 0000000000 1 2.00.3000
0065525                  10LPU  96-354/16:23:46.000  96-354/16:23:58.666
          0300300300000300290280280290280320340310310320300290713010001130115550115550115550115550115550115550115550115
5D011555D011555D011555D011555D0100000
E4GNGLOBAL01E4GNGLOBAL01AFZ03747654:00:003747655:43:01         GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 204MPW  96-354/20:11:29.333  96-354/20:12:59.333
          0300300300000300290280280290280320340310310320300290326204001260100000011FFFF0100000011FFFF0100000011FFFF0100000011FF
FF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000100000
E4JNFEA14801E4JNFEA14801AFG03748289:87:003748293:89:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  15LPU  96-355/06:54:31.228  96-355/06:58:35.266
          0000000000000000000000000000000000000000000000000507015001 7010040001115000 11A0000100800010981001 00C000100000

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E4JNFEA14802E4JNFEA14802AFH03748299:87:003748303:89:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  15LPU  96-355/07:04:37.894  96-355/07:08:41.933
          000000000000000000000000000000000000000000000000000507015001 701004000111500011A0000100800010981001 00C000100000

E4JNFEA14803E4JNFEA14803AFI03748319:87:003748323:89:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  15LPU  96-355/07:24:51.228  96-355/07:28:55.266
          000000000000000000000000000000000000000000000000000507015001 701004000111500011A0000100800010981001 00C000100000

E4NNHEALTH04E4NNHEALTH04RFW03748357:00:003748357:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 003RT 1996-355/08:02:17.9331996-355/08:02:25.933
          000000000000000000000000000000000000000000000000000302003000 201080442500000

E4JNFEA53M01E4JNFEA53M01AFJ03748409:56:003748420:41:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 160LPU  96-355/08:55:29.933  96-355/09:06:27.933
          000000000000000000000000000000000000000000000000000032616000126010118301011 8B010118F010118F010118F010118F010118F01001
8F010018F010018F010018F010018F010018F010018F010018F010018F010018F010019F010019F010219F010219F010231F010231F010231F01000000100000
E4JNFEA5UM01E4JNFEA5UM01AFK03748532:32:003748539:70:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  80LPU  96-355/10:59:35.933  96-355/11:07:05.933
          000000000000000000000000000000000000000000000000000032608000126010000701000070100007010000701000070100007010000701000
070100007010000701000070100007010000701000070100007010000701000070100007010000F010000F010000F010000F010000F010000F010000F01000000100000
E4JNFEA16001E4JNFEA16001AFN03748864:87:003748866:79:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  96-355/16:35:54.540  96-355/16:37:50.600
          000000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000001000000

E4JNFEA16002E4JNFEA16002AFO03748872:87:003748874:85:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  96-355/16:43:59.873  96-355/16:45:59.933
          000000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000001000000

E4JNFEA16003E4JNFEA16003AFP03748879:87:003748881:55:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  96-355/16:51:04.639  96-355/16:52:44.600
          000000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000001000000

E4RNMRING_01E4RNMRING_01AFM03748901:00:003748901:90:01         JRINGS   1414 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                   1LPU  96-355/17:12:20.600  96-355/17:13:21.266
          000000000000000000000000000000000000000000000000000011300100113010000001000000100000010000001000000100000010020001000
000100000010000001000000100000100000
E4RNMRING_01E4RNMRING_01BFM03748904:90:003748905:90:01         JRINGS   1414 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                  96LPU  96-355/17:16:22.600  96-355/17:17:23.933
          000000000000000000000000000000000000000000000000000011309600113011FDFF0100000011FDFF0100000011FDFF0100000011FDFF01000
00011FDFF0100000011FDFF01000000100000
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E4NNPCTRLT01E4NNPCTRLT01RR 03759395:00:003759395:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-363/02:02:56.2001996-363/02:03:04.200
          00000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

E4NNPCTRLT01E4NNPCTRLT01SR 03759400:00:003759409:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-363/02:07:59.5331996-363/02:17:13.533
          00000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

J5NNOPCAL_01J5NNOPCAL_01RDN03831582:00:003831583:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12401100 1101111011 0 0.00.0000
0000000                 048RT 1997-047/18:31:58.2001997-047/18:33:06.866
          00000000000000000000000000000000000000000000000000302048000 224180000200000

J5NNOPCAL_01J5NNOPCAL_01SDN03831584:00:003831584:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12401100 0000000000 0 0.00.0000
0000000                 048RT 1997-047/18:33:59.5331997-047/18:34:07.533
          00000000000000000000000000000000000000000000000000302048000 224180000200000

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