Chapter 4 - NIMS Observation Summaries

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Introduction to Chapter 4

This chapter summarizes the NIMS E6 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 E6 Sequence. The information in this summary is derived from the E6 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 E6 data. It is also derived from the E6 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

			Sequence:	E06A-AR		Created: 3/12/97		Begin: 97-047/23:05:00 Finish: 97-054/01:30:00				
Line	**YR**	**DOY**	**SCET - GMT**	**PSID**	**Command**	**Parameters**		**Description**	**GCM**	**GO**	**GS**	**RIM MF I**
1	**97**	**47**	**23:05:00.000**	**20A3EW**	**37A**	**Initial Condition**		**NIMS Power ON**	**4O0**	**4**	**0**	**3,831,852:02:7**
2	**97**	**47**	**23:05:00.000**	**20A3EX**	**37HR**	**Initial Condition**		**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,831,852:02:7**
3	**97**	**47**	**23:05:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**		**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,831,852:02:7**
4	**97**	**47**	**23:05:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**		**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,831,852:02:7**
5	**97**	**47**	**23:05:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**		**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,831,852:02:7**
6	**97**	**47**	**23:05:00.000**	**20A3FB**	**37F2P**	**Initial Condition**		**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,831,852:02:7**
7	**97**	**47**	**23:05:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**		**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,831,852:02:7**
8	**97**	**47**	**23:05:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**		**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,831,852:02:7**
9	**97**	**47**	**23:05:00.000**	**20A3FF**	**40T2R**	**Initial Condition**		**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,831,852:02:7**
10	97	47	23:05:00.200		DMS:	: READY		RDY, TRACK 2, REV, TIC 4269.00 +/-	4O0	4	0	3,831,852:03:0
11	97	47	23:05:34.200	20UE4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	3,831,852:54:0
12	97	47	23:06:20.200	418SA6B	6BUFHI		10	MUB Buffer high water	4O0	4	0	3,831,853:32:0
13	97	47	23:06:20.200	418SA6A	6BUFLO		2	MUB Buffer low water m	4O0	4	0	3,831,853:32:0
14	97	47	23:06:24.200	20UE4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	3,831,853:38:0
15	97	47	23:06:30.866	488AA6A	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	3,831,853:48:0
16	97	47	23:06:32.200	488AA6B	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	3,831,853:50:0
17	**97**	**47**	**23:06:58.200**	**432JA6B**	**6RTDS2**	**NIMDSL,AACDSL,RT**		**NIMS R/T DESELECTAACS DESELECT**	**4O0**	**4**	**0**	**3,831,853:89:0**
18	97	47	23:09:00.866	176UB6A	6TMREC	**RPB**		RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	3,831,856:00:0
19	97	48	04:00:00.133	418JA6A	6BUFHI		5	MUB Buffer high water	4O0	4	0	3,832,143:72:0
20	97	48	04:09:26.800	488AA6C	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,832,153:12:0
21	97	48	05:29:11.466	176UA6A	6TMREC	**TPB**		TERMINATE PLAYBACK (PB CONTROL) Record Mo	4O0	4	0	3,832,232:00:0
22	97	48	05:32:38.800	488AB6A	6TMSED	NORM,AL1		Sci, Eng, and D/L Chan	4O0	4	0	3,832,235:38:0
23	97	48	05:35:00.133	418JO6A	6BUFHI		10	MUB Buffer high water	4O0	4	0	3,832,237:68:0
24	97	48	05:45:00.133	41SA99A	**POWER**	**PWR MODE change**		Change to Data Taking Mode	4O0	4	0	3,832,247:58:0
25	**97**	**48**	**05:45:04.133**	**41SA3K**	**37F2PR**		**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,832,247:64:0**
26	**97**	**48**	**05:45:14.133**	**41SA3L**	**37F2PR**		**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,832,247:79:0**
27	**97**	**48**	**05:45:24.133**	**41SA3A**	**40T1PR**		**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,832,248:03:0**
28	**97**	**48**	**05:45:34.133**	**41SA3B**	**40T1PR**		**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,832,248:18:0**
29	**97**	**48**	**05:45:44.133**	**41SA3C**	**40T2R**		**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,832,248:33:0**
30	**97**	**48**	**05:45:54.133**	**41SA3D**	**40T2R**		**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,832,248:48:0**
31	**97**	**48**	**05:59:30.133**	**432JB6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**		**NIMS R/T DESELECT**	**4O0**	**4**	**0**	**3,832,261:89:0**
32	97	48	05:59:30.800	432JB431A6A	6RCDSL	DDSDSL,PLSDSL,EP		Record Deselect (DDS o	4O0	4	0	3,832,261:90:0
33	**97**	**48**	**05:59:31.466**	**432JB6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**		**AACS SELECT**	**4O0**	**4**	**0**	**3,832,262:00:0**
34	97	48	05:59:31.466	432JB6C	6RTSL1			R/T Select of DDS and	4O0	4	0	3,832,262:00:0
35	97	48	06:00:00.133	488AB6B	6TMSED	NORM,AL1		Sci, Eng, and D/L Chan	4O0	4	0	3,832,262:43:0
36	97	48	06:02:33.466		DMS:	: *SLEW-TIC		P7, TRACK *1, *FWD, TIC 4269.00 +/-	4O0	4	0	3,832,265:00:0
37	97	48	06:02:33.466	465WA6A	6DMST		5000	DMS Slew to TIC	4O0	4	0	3,832,265:00:0
38	97	48	06:45:10.800	488AB6C	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,832,307:14:0
39	97	48	07:40:38.800	488AB6D	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,832,362:01:0
40	97	48	11:30:00.133	481UA4A	7VECT			Inert vect update UTC	4O0	4	0	3,832,588:77:0
41	97	48	11:56:14.800	465WB6A	6DMSC	P100,4		DMS Control Tape P/B 100.8kbps	4O0	4	0	3,832,614:73:0
42	97	48	12:22:06.800	465WB6B	6DMSC	RDY,4		DMS Control Tape stop	4O0	4	0	3,832,640:35:0
43	97	48	12:43:34.800	488AC6A	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,832,661:56:0
44	97	48	12:44:00.133	444UA443A4B	**7MODE**	**INT**		AACS INERTIAL MODE	4O0	4	0	3,832,662:03:0
45	97	48	14:13:00.133	488AC6B	6TMSED	NORM,AH2		Sci, Eng, and D/L Chan	4O0	4	0	3,832,750:05:0
46	97	48	14:15:18.800	488AC6C	6TMSED	NORM,AH3		Sci, Eng, and D/L Chan	4O0	4	0	3,832,752:31:0
47	97	48	14:16:58.133	165BA4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,832,753:89:0
48	97	48	14:16:58.800	165BA4B	7SCAN	NORM,214.853998,		Check S/P Position	4O0	4	0	3,832,753:90:0
49	97	48	14:30:01.466	465WC6A	6DTRN	CMD,6DTRN,465WC6		DMS TRACK TURNAROUND	4O0	4	0	3,832,766:81:0
50	97	48	14:40:04.133	465WD6A	6DMSC	P100,1		DMS Control Tape P/B 100.8kbps	4O0	4	0	3,832,776:75:0
51	97	48	15:11:58.133	465WD6B	6DMSC	RDY,1		DMS Control Tape stop	4O0	4	0	3,832,808:34:0
52	97	48	15:27:34.133	465WE6A	6DMSC	P100,2		DMS Control Tape P/B 100.8kbps	4O0	4	0	3,832,823:73:0
53	97	48	15:40:38.800	488AC6D	6TMSED	NORM,AH4		Sci, Eng, and D/L Chan	4O0	4	0	3,832,836:67:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	97	48	15:59:42.133	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	3,832,855:53:0	
55	97	48	16:31:42.800	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	3,832,887:22:0	
56	97	48	16:46:26.133	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	3,832,901:73:0	
57	97	48	17:15:00.133	488AC6E	6TMSED	NORM,EH4	Sci, Eng, and D/L Chan	4O0	4	0	3,832,930:05:0	
58	97	48	17:18:33.466	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	3,832,933:52:0	
59	97	48	17:19:39.466	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	3,832,934:60:0	
60	97	48	17:34:09.466	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	3,832,949:00:0	
61	97	48	17:35:03.466	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	4O0	4	0	3,832,949:81:0	
62	97	48	17:56:00.133	488AD6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	3,832,970:55:0	
63	97	48	18:01:26.800	488AD6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	3,832,975:90:0	
64	97	48	19:39:30.800	488AD6C	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4O0	4	0	3,833,072:89:0	
65	97	48	19:54:30.800	488AD6D	6TMSED	FILL,EL6	Sci, Eng, and D/L Chan	4O0	4	0	3,833,087:74:0	
66	97	48	19:58:57.466	488AD6E	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	3,833,092:19:0	
67	97	48	20:25:00.800	165BB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,833,117:89:0	
68	97	48	20:25:01.466	165BB4B	7SCAN	NORM,214.462999,	Check S/P Position	4O0	4	0	3,833,117:90:0	
69	97	48	22:02:30.800	488AE6A	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	3,833,214:37:0	
70	97	49	01:15:00.133	488AE6B	6TMSED	NORM,BL5	Sci, Eng, and D/L Chan	4O0	4	0	3,833,404:71:0	
71	97	49	04:13:42.800	488AF6A	6TMSED	NORM,BL3	Sci, Eng, and D/L Chan	4O0	4	0	3,833,581:48:0	
72	97	49	05:13:26.800	488AF6B	6TMSED	NORM,BL2	Sci, Eng, and D/L Chan	4O0	4	0	3,833,640:55:0	
73	97	49	05:15:00.133	488AF6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,833,642:13:0	
74	97	49	05:44:25.466	488AF6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,833,671:22:0	
75	97	49	05:58:14.800	488AF6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,833,684:83:0	
76	97	49	06:34:30.800	488AG6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,833,720:71:0	
77	97	49	07:15:40.133	488AG6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,833,761:44:0	
78	97	49	07:18:22.133	488AG6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,833,764:14:0	
79	97	49	08:00:44.800	20KC4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,833,806:06:0	
80	97	49	08:38:04.066	165BC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,833,842:89:0	
81	97	49	08:38:04.733	165BC4B	7SCAN	NORM,214.75,-15.	Check S/P Position	4O0	4	0	3,833,842:90:0	
82	97	49	08:45:39.400	488AG6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,833,850:44:0	
83	97	49	10:41:25.400	165BD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,833,964:89:0	
84	97	49	10:41:26.066	165BD4B	7SCAN	NORM,215.292999,	Check S/P Position	4O0	4	0	3,833,964:90:0	
85	97	49	11:32:56.066	125DA	NIMSINIT	GS	##### GROUP START INIT	4O0	4	0	3,834,015:84:0	
86	**97**	**49**	**11:32:56.066**	**125DA4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,834,015:84:0**	
87	**97**	**49**	**11:33:56.733**	**125DA4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**4R0**	**4**	**0**	**3,834,016:84:0**	
88	**97**	**49**	**11:34:57.400**	**125DA4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,834,017:84:0**	
89	97	49	11:34:57.400	125DA11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	3,834,017:84:0	
90	**97**	**49**	**11:35:05.934**	**E6NNCHOPON01-**		**-----START------**		**4R0**	**4**	**0**	**: :**	
91	97	49	11:43:06.066	165BE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,834,025:89:0	
92	97	49	11:43:06.733	165BE4B	7SCAN	NORM,214.459999,	Check S/P Position	4R0	4	0	3,834,025:90:0	
93	**97**	**49**	**11:44:11.934**	**E6NNCHOPON01-**		**-----STOP-------**		**4R0**	**4**	**0**	**: :**	
94	97	49	11:59:18.066	465KF6A	6DMSC	RDY,1	DMS Control Tape stop	4R0	4	0	3,834,042:00:0	
95	97	49	12:29:38.066	465KG6A	6DMST	220	DMS Slew to TIC	4R0	4	0	3,834,072:00:0	
96	97	49	12:29:38.066		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 201.62 +/-	4R0	4	0	3,834,072:00:0	
97	97	49	12:39:40.066	125FH	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	3,834,081:84:0	
98	**97**	**49**	**12:39:40.066**	**125FH4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**3,834,081:84:0**	
99	**97**	**49**	**12:40:40.733**	**125FH4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,834,082:84:0**	
100	97	49	12:40:40.733	125FH11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	3,834,082:84:0	
101	**97**	**49**	**12:40:49.267**	**E6TNAURORA01+**		**-----START------**		**4R0**	**4**	**0**	**: :**	
102	**97**	**49**	**12:41:41.400**	**127FH4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,834,083:84:0**	
103	97	49	12:41:41.400	127FH	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,834,083:84:0	
104	**97**	**49**	**12:41:42.066**	**127FH4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,834,083:85:0**	
105	97	49	12:41:50.066	127FH11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,834,084:06:0	
106	**97**	**49**	**12:42:06.066**	**432DA6A**	**6RTSL2**	**NIMSEL,AACSEL,RT**	**NIMS R/T SELECTAACS SELECT**	**4R3**	**4**	**0**	**3,834,084:30:0**	
107	**97**	**49**	**12:43:05.400**	**432DB6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,834,085:28:0**	
108	97	49	12:44:43.400	125DV	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,834,086:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	97	49	12:44:43.400	125DV11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,834,086:84:0	
110	**97**	**49**	**12:44:43.400**	**125DV4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,834,086:84:0**	
111	97	49	12:44:46.733	165BF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,834,086:89:0	
112	97	49	12:44:47.400	165BF4B	7SCAN	NORM,215.911999,	Check S/P Position	4R3	4	0	3,834,086:90:0	
113	**97**	**49**	**12:45:52.600**	**E6TNAURORA01+**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
114	97	49	12:58:22.733	488AH6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,834,100:39:0	
115	97	49	13:09:04.066	465KH6A	6DMSC	RDY,1	DMS Control Tape stop	4R3	4	0	3,834,111:00:0	
116	97	49	13:29:17.400	411JC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,834,131:00:0	
117	97	49	13:29:25.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 220.12 +/-	4R3	4	0	3,834,131:12:1	
118	97	49	13:29:27.400	411JC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	3,834,131:15:0	
119	97	49	13:30:00.066	488AH6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	4R3	4	0	3,834,131:64:0	
120	97	49	13:31:28.733	411JC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,834,133:15:0	
121	97	49	13:31:29.400	411JC6D	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,834,133:16:0	
122	97	49	13:31:29.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 249.17 +/-	4R3	4	0	3,834,133:16:0	
123	97	49	13:40:40.733	488AH6C	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	4R3	4	0	3,834,142:24:0	
124	97	49	14:11:02.733	488AH6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	4R3	4	0	3,834,172:27:0	
125	97	49	14:47:07.400	165BG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,834,207:89:0	
126	97	49	14:47:08.066	165BG4B	7SCAN	NORM,218.407,-15	Check S/P Position	4R3	4	0	3,834,207:90:0	
127	97	49	15:24:35.400	488AH6E	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	4R3	4	0	3,834,245:03:0	
128	97	49	15:53:26.733	488AI6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	4R3	4	0	3,834,273:52:0	
129	97	49	15:57:42.733	488AI6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	4R3	4	0	3,834,277:72:0	
130	97	49	16:50:00.066	41SB99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	4R3	4	0	3,834,329:46:0	
131	**97**	**49**	**16:50:04.066**	**41SB3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,834,329:52:0**	
132	**97**	**49**	**16:50:14.066**	**41SB3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,834,329:67:0**	
133	97	49	16:51:29.400	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	3,834,330:89:0	
134	97	49	16:52:00.066	488AI6C	6TMSED	NORM,CH4	Sci, Eng, and D/L Chan	4R3	4	0	3,834,331:44:0	
135	**97**	**49**	**16:52:24.066**	**41SB3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,834,331:80:0**	
136	**97**	**49**	**16:52:34.066**	**41SB3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,834,332:04:0**	
137	**97**	**49**	**16:52:44.066**	**41SB3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,834,332:19:0**	
138	**97**	**49**	**16:52:54.066**	**41SB3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,834,332:34:0**	
139	97	49	16:54:39.400	20YC6A	6HICON			4R3	4	0	3,834,334:10:0	
140	97	49	16:55:33.400	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4R3	4	0	3,834,335:00:0	
141	97	49	16:55:44.733	432OC6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,834,335:17:0	
142	97	49	16:56:01.400	20OA6A	6HICON			4R3	4	0	3,834,335:42:0	
143	97	49	17:30:00.066	488AI6D	6TMSED	NORM,EH4	Sci, Eng, and D/L Chan	4R3	4	0	3,834,369:06:0	
144	97	49	18:01:26.733	488AI6E	6TMSED	NORM,EH5	Sci, Eng, and D/L Chan	4R3	4	0	3,834,400:15:0	
145	97	49	18:33:26.733	488AJ6A	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	4R3	4	0	3,834,431:74:0	
146	97	49	21:30:00.066	488AJ6B	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	4R3	4	0	3,834,606:39:0	
147	97	49	21:31:00.066	41SC99A	**POWER**	**PWR MODE change**	Change to Data Taking Mode	4R3	4	0	3,834,607:38:0	
148	**97**	**49**	**21:31:04.066**	**41SC3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,834,607:44:0**	
149	**97**	**49**	**21:31:14.066**	**41SC3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,834,607:59:0**	
150	**97**	**49**	**21:31:24.066**	**41SC3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,834,607:74:0**	
151	**97**	**49**	**21:31:34.066**	**41SC3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,834,607:89:0**	
152	**97**	**49**	**21:31:44.066**	**41SC3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,834,608:13:0**	
153	**97**	**49**	**21:31:54.066**	**41SC3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,834,608:28:0**	
154	97	49	21:39:59.400	432OB431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	3,834,616:28:0	
155	97	49	21:40:00.066	432OB6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,834,616:29:0	
156	97	49	21:47:44.733	165AA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,834,623:89:0	
157	97	49	21:47:45.400	165AA4B	7SCAN	NORM,222.007999,	Check S/P Position	4R3	4	0	3,834,623:90:0	
158	97	49	21:51:39.400	117AA	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,834,627:77:0	
159	97	49	21:51:48.733	117AA105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,834,628:00:0	
160	97	49	22:21:08.066	117AA105A106A4B	7STRP	0.007,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,834,657:00:0	
161	97	49	22:22:08.733	117AA105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,834,658:00:0	
162	97	49	22:51:28.066	117AA105A106A4D	7STRP	0.007,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,834,687:00:0	
163	97	49	22:52:28.733	117AA105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,834,688:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	97	49	23:21:48.066	117AA105A106A4F	7STRP	0.007,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,834,717	00:0
165	97	49	23:22:48.733	117AA105A106A4G	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,834,718	00:0
166	97	49	23:52:08.066	117AA105A106A4H	7STRP	0.007,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,834,747	00:0
167	97	49	23:53:08.733	117AA105A106A4I	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,834,748	00:0
168	97	50	00:22:28.066	117AA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,834,777	00:0
169	97	50	00:22:57.400	165AB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,834,777	44:0
170	97	50	00:22:58.066	165AB4B	7SCAN	NORM,229.179998,	Check S/P Position	4R3	4	0	3,834,777	45:0
171	97	50	00:53:47.400	165AC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,834,807	89:0
172	97	50	00:53:48.066	165AC4B	7SCAN	NORM,223.210999,	Check S/P Position	4R3	4	0	3,834,807	90:0
173	97	50	00:57:42.066	117AB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,834,811	77:0
174	97	50	00:57:51.400	117AB105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,834,812	00:0
175	97	50	01:23:08.066	117AB105A106A4B	7STRP	0.008,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,834,837	00:0
176	97	50	01:24:08.733	117AB105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,834,838	00:0
177	97	50	01:49:25.400	117AB105A106B4A	7STRP	-0.013001,0.0,0,	Slew =12.01	4R3	4	0	3,834,863	00:0
178	97	50	01:51:26.733	117AB105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,834,865	00:0
179	97	50	02:14:42.066	117AB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,834,888	00:0
180	97	50	02:25:48.066	165JK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,834,898	89:0
181	97	50	02:25:48.733	165JK4B	7SCAN	NORM,220.584999,	Check S/P Position	4R3	4	0	3,834,898	90:0
182	97	50	02:28:55.400	118JK	**SMOS**	GS		4R3	4	0	3,834,902	06:0
183	97	50	02:29:25.400	118JK110A111A4A	7STRP	-0.002,0.0,92,0,	Slew =,4.87	4R3	4	0	3,834,902	51:0
184	97	50	02:29:56.066	117AC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,834,903	06:0
185	97	50	02:30:14.733	175IA422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	3,834,903	34:0
186	97	50	02:30:25.400	175IA176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,834,903	50:0
187	97	50	02:30:25.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 255.53 +/-	4R3	4	0	3,834,903	50:0
188	97	50	02:30:26.733	118JK11A	**SMOS**	GE		4R3	4	0	3,834,903	52:0
189	97	50	02:30:40.066	117AC105A106A4A	7STRP	0.0022,0.0,0,0,0	Slew =,0.16	4R3	4	0	3,834,903	72:0
190	97	50	02:30:52.733	175IA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,834,904	00:0
191	97	50	02:30:52.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 351.62 +/-	4R3	4	0	3,834,904	00:0
192	97	50	02:30:55.400	117AC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,834,904	04:0
193	97	50	02:54:06.733	165AD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,834,926	89:0
194	97	50	02:54:07.400	165AD4B	7SCAN	NORM,223.49,-18.	Check S/P Position	4R3	4	0	3,834,926	90:0
195	97	50	02:58:01.400	117AD	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,834,930	77:0
196	97	50	02:58:10.733	117AD105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,834,931	00:0
197	97	50	03:27:30.066	117AD105A106A4B	7STRP	0.008,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,834,960	00:0
198	97	50	03:28:30.733	117AD105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,834,961	00:0
199	97	50	03:30:00.066	488AK6A	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	3,834,962	43:0
200	97	50	03:43:50.733	488AK6B	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R3	4	0	3,834,976	15:0
201	97	50	03:57:50.066	117AD105A106A4D	7STRP	0.008,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,834,990	00:0
202	97	50	03:58:50.733	117AD105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,834,991	00:0
203	97	50	04:28:10.066	117AD105A106A4F	7STRP	0.008,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,835,020	00:0
204	97	50	04:29:10.733	117AD105A106A4G	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,835,021	00:0
205	97	50	04:58:30.066	117AD105A106A4H	7STRP	0.008,0.0,0,0,0,	Slew =12.01	4R3	4	0	3,835,050	00:0
206	97	50	04:59:30.733	117AD105A106A4I	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,835,051	00:0
207	97	50	05:24:06.733	488AK6C	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	4R3	4	0	3,835,075	30:0
208	97	50	05:28:50.066	117AD11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,835,080	00:0
209	97	50	05:37:54.733	165BH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,835,088	89:0
210	97	50	05:37:55.400	165BH4B	7SCAN	NORM,214.441999,	Check S/P Position	4R3	4	0	3,835,088	90:0
211	97	50	05:43:10.066	488AK6D	6TMSED	FILL,EL2	Sci, Eng, and D/L Chan	4R3	4	0	3,835,094	16:0
212	97	50	05:56:06.733	488AK6E	6TMSED	FILL,EL1	Sci, Eng, and D/L Chan	4R3	4	0	3,835,106	89:0
213	97	50	06:31:45.400	488AL6A	6TMSED	NORM,EL1	Sci, Eng, and D/L Chan	4R3	4	0	3,835,142	21:0
214	97	50	07:15:00.066	411JD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,835,185	00:0
215	97	50	07:15:02.733	488AL6B	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	4R3	4	0	3,835,185	04:0
216	97	50	07:15:08.133		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 352.74 +/-	4R3	4	0	3,835,185	12:1
217	97	50	07:15:10.066	411JD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	3,835,185	15:0
218	97	50	07:17:11.400	411JD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,835,187	15:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
219	97	50	07:17:12.066	411JD6D	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,835,187:16:0
220	97	50	07:17:12.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 381.79 +/-	4R3	4	0	3,835,187:16:0
221	97	50	07:30:00.066	488AL6C	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,835,199:76:0
222	97	50	07:43:18.733	488AL6D	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,835,213:00:0
223	97	50	08:40:35.400	488AL6E	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,835,269:59:0
224	97	50	10:49:54.733	165JN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,835,397:50:0
225	97	50	10:49:55.400	165JN4B	7SCAN	NORM,242.278,-23	Check S/P Position	4R3	4	0	3,835,397:51:0
226	97	50	10:52:27.400	118JN	**SMOS**	GS		4R3	4	0	3,835,400:06:0
227	97	50	10:53:00.066	118JN110A111A4A	7STRP	0.0035,0.0,26,0,	Slew =,3.01	4R3	4	0	3,835,400:55:0
228	97	50	10:53:08.733	118JN110A111A4B	7STRP	-0.0032,0.0033,0	Slew =,3.01	4R3	4	0	3,835,400:68:0
229	97	50	10:53:17.400	118JN110A111A4C	7STRP	0.0035,0.0,26,0,	Slew =,3.01	4R3	4	0	3,835,400:81:0
230	97	50	10:53:20.066	175IB422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	3,835,400:85:0
231	97	50	10:53:26.066	118JN11A	**SMOS**	GE		4R3	4	0	3,835,401:03:0
232	97	50	10:53:30.733	175IB176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,835,401:10:0
233	97	50	10:53:30.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 388.15 +/-	4R3	4	0	3,835,401:10:0
234	97	50	10:54:24.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 577.99 +/-	4R3	4	0	3,835,402:00:0
235	97	50	10:54:24.733	175IB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,835,402:00:0
236	97	50	10:55:24.066	165BI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,835,402:89:0
237	97	50	10:55:24.733	165BI4B	7SCAN	NORM,214.441999,	Check S/P Position	4R3	4	0	3,835,402:90:0
238	**97**	**50**	**11:56:09.267**	**E6JNFEA06401-**		**-----START------**		**4R3**	**4**	**0**	**: :**
239	**97**	**50**	**11:58:02.066**	**125DB4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,835,464:84:0**
240	97	50	11:58:02.066	125DB	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,835,464:84:0
241	97	50	11:58:02.066	125DB11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,835,464:84:0
242	97	50	11:58:04.066	176DA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,835,464:87:0
243	97	50	11:58:05.400	165DB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,835,464:89:0
244	97	50	11:58:06.066	165DB4B	7SCAN	NORM,234.285999,	Check S/P Position	2R3	4	0	3,835,464:90:0
245	97	50	11:59:02.733	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,835,465:84:0
246	**97**	**50**	**11:59:02.733**	**127DB4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,835,465:84:0**
247	**97**	**50**	**11:59:03.400**	**127DB4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,835,465:85:0**
248	97	50	11:59:11.400	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,835,466:06:0
249	97	50	11:59:56.733	175DB422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R5	4	1	3,835,466:74:0
250	97	50	11:59:58.733	117DB	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,835,466:77:0
251	97	50	12:00:04.733	175DB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,835,466:86:0
252	97	50	12:00:04.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 579.11 +/-	2R5	4	1	3,835,466:86:1
253	97	50	12:00:08.066	117DB105A106A4A	**7STRP**	**-0.0109,0.0,0,0,**	**Slew =,0.11**	2R5	4	1	3,835,467:00:0
254	**97**	**50**	**12:00:08.174**	**E6JNFEA06401-**	**NIMPBK**	**301DA**	**JUPITER FEATURE TRACK 64 DEG PHA**	**2R5**	**4**	**1**	**: :**
255	**97**	**50**	**12:01:47.508**	**E6JNFEA06401-**	**DESELC**	**300DA**	**JUPITER FEATURE TRACK 64 DEG PHA**	**2R5**	**4**	**1**	**: :**
256	97	50	12:01:48.066	117DB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,835,468:59:0
257	97	50	12:01:49.400	175DB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,835,468:61:0
258	97	50	12:01:49.400	175DB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,835,468:61:0
259	97	50	12:01:49.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 603.63 +/-	2R5	4	1	3,835,468:61:0
260	**97**	**50**	**12:02:13.267**	**E6JNFEA06401-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
261	97	50	12:12:14.733	165DC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,835,478:89:0
262	97	50	12:12:15.400	165DC4B	7SCAN	NORM,234.189999,	Check S/P Position	2R5	4	1	3,835,478:90:0
263	**97**	**50**	**12:12:19.934**	**E6JNFEA06402-**		**-----START------**		**2R5**	**4**	**1**	**: :**
264	97	50	12:16:07.400	175DC422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R5	4	1	3,835,482:74:0
265	97	50	12:16:09.400	117DC	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,835,482:77:0
266	97	50	12:16:15.400	175DC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,835,482:86:0
267	97	50	12:16:15.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 603.81 +/-	2R5	4	1	3,835,482:86:1
268	97	50	12:16:18.733	117DC105A106A4A	**7STRP**	**-0.0109,0.0,0,0,**	**Slew =,0.11**	2R5	4	1	3,835,483:00:0
269	**97**	**50**	**12:16:18.840**	**E6JNFEA06402-**	**NIMPBK**	**301DB**	**JUPITER FEATURE TRACK 64 DEG PHA**	**2R5**	**4**	**1**	**: :**
270	**97**	**50**	**12:17:58.173**	**E6JNFEA06402-**	**DESELC**	**300DB**	**JUPITER FEATURE TRACK 64 DEG PHA**	**2R5**	**4**	**1**	**: :**
271	97	50	12:17:58.733	117DC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,835,484:59:0
272	97	50	12:18:00.066	175DC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,835,484:61:0
273	97	50	12:18:00.066	175DC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,835,484:61:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	97	50	12:18:00.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 628.32 +/-	2R5	4	1	3,835,484:61:0	
275	**97**	**50**	**12:18:23.934**	**E6JNFEA06402-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
276	97	50	12:18:33.400	165JV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,835,485:20:0	
277	97	50	12:18:34.066	165JV4B	7SCAN	NORM,234.9,-23.2	Check S/P Position	2R5	4	1	3,835,485:21:0	
278	97	50	12:19:24.733	118JV	**SMOS**	GS		2R5	4	1	3,835,486:06:0	
279	97	50	12:19:26.066	175IC422A6A	6DMSC	R115,1	DMS Control	2R5	4	1	3,835,486:08:0	
280	97	50	12:19:36.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 634.68 +/-	2R5	4	1	3,835,486:24:0	
281	97	50	12:19:36.733	175IC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,835,486:24:0	
282	97	50	12:19:38.066	118JV110A111A4A	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,835,486:26:0	
283	97	50	12:20:24.066	118JV110A111A4B	7STRP	0.0,0.007,0,0,0,	Slew =0,5.0	2R5	4	1	3,835,487:04:0	
284	97	50	12:20:39.400	118JV110A111A4C	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,835,487:27:0	
285	97	50	12:21:22.066	176IA6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,835,488:00:0	
286	97	50	12:21:25.400	118JV11A	**SMOS**	GE		2R5	4	1	3,835,488:05:0	
287	97	50	12:22:21.400	165AE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,835,488:89:0	
288	97	50	12:22:22.066	165AE4B	7SCAN	NORM,234.473,-22	Check S/P Position	2R5	4	1	3,835,488:90:0	
289	97	50	12:22:22.733	175IC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,835,489:00:0	
290	97	50	12:22:22.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1218.28 +/-	2R5	4	1	3,835,489:00:0	
291	97	50	12:23:14.066	117AE	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,835,489:77:0	
292	97	50	12:23:23.400	117AE105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,835,490:00:0	
293	97	50	12:24:54.066	117AE105A106A4B	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,835,491:45:0	
294	97	50	12:25:24.066	117AE105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,835,491:90:0	
295	97	50	12:26:54.733	117AE105A106A4D	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,835,493:44:0	
296	97	50	12:27:24.733	117AE105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,835,493:89:0	
297	97	50	12:28:55.400	117AE105A106A4F	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,835,495:43:0	
298	97	50	12:29:25.400	117AE105A106A4G	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,835,495:88:0	
299	97	50	12:30:56.066	117AE105A106B4A	7STRP	-0.013001,-0.007	Slew =12.01	2R5	4	1	3,835,497:42:0	
300	97	50	12:31:26.733	117AE105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,835,497:88:0	
301	97	50	12:32:57.400	117AE105A106C4A	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,835,499:42:0	
302	97	50	12:33:28.066	117AE105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,835,499:88:0	
303	97	50	12:34:58.733	117AE105A106C4C	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,835,501:42:0	
304	97	50	12:35:29.400	117AE105A106C4D	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,835,501:88:0	
305	97	50	12:37:00.066	117AE105A106C4E	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,835,503:42:0	
306	97	50	12:37:30.733	117AE105A106C4F	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,835,503:88:0	
307	97	50	12:39:01.400	117AE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,835,505:42:0	
308	97	50	12:39:02.066	165AF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,835,505:43:0	
309	97	50	12:39:02.733	165AF4B	7SCAN	NORM,234.802999,	Check S/P Position	2R5	4	1	3,835,505:44:0	
310	97	50	12:40:34.733	411AA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,835,507:00:0	
311	97	50	12:40:42.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1219.40 +/-	2R5	4	1	3,835,507:12:1	
312	97	50	12:40:44.733	411AA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R5	4	1	3,835,507:15:0	
313	97	50	12:42:46.066	411AA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,835,509:15:0	
314	97	50	12:42:46.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1248.44 +/-	2R5	4	1	3,835,509:16:0	
315	97	50	12:42:46.733	411AA6D	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,835,509:16:0	
316	97	50	12:46:37.400	165CE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,835,512:89:0	
317	97	50	12:46:38.066	165CE4B	7SCAN	NORM,248.424,-24	Check S/P Position	2R5	4	1	3,835,512:90:0	
318	97	50	12:48:27.400	488AM6A	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	2R5	4	1	3,835,514:72:0	
319	97	50	13:19:59.400	165DE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,835,545:89:0	
320	97	50	13:20:00.066	165DE4B	7SCAN	NORM,233.966,-22	Check S/P Position	2R5	4	1	3,835,545:90:0	
321	**97**	**50**	**13:20:04.600**	**E6JNFEA06403-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
322	97	50	13:23:52.066	175DE422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R5	4	1	3,835,549:74:0	
323	97	50	13:23:54.066	117DE	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,835,549:77:0	
324	97	50	13:24:00.066	175DE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,835,549:86:0	
325	97	50	13:24:00.133		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1248.62 +/-	2R5	4	1	3,835,549:86:1	
326	97	50	13:24:03.400	117DE105A106A4A	**7STRP**	**-0.0109,0.0,0,0,**	**Slew =,0.11**	2R5	4	1	3,835,550:00:0	
327	**97**	**50**	**13:24:03.505**	**E6JNFEA06403-**	**NIMPBK**	**301DC**	**JUPITER FEATURE TRACK 64 DEG PHA**	**2R5**	**4**	**1**	**: :**	
328	**97**	**50**	**13:25:42.838**	**E6JNFEA06403-**	**DESELC**	**300DC**	**JUPITER FEATURE TRACK 64 DEG PHA**	**2R5**	**4**	**1**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	97	50	13:25:43.400	117DE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,835,551:59:0	
330	97	50	13:25:44.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1273.14 +/-	2R5	4	1	3,835,551:61:0	
331	97	50	13:25:44.733	175DE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,835,551:61:0	
332	97	50	13:25:44.733	175DE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,835,551:61:0	
333	**97**	**50**	**13:26:08.600**	**E6JNFEA06403-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
334	97	50	13:29:06.733	192GA4A	**7CONE**	**17.4,0.0**	Check S/P Position	2R5	4	1	3,835,555:00:0	
335	97	50	13:33:53.400	176GA6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,835,559:66:0	
336	97	50	13:35:20.066	176GA6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,835,561:14:0	
337	97	50	13:35:32.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1273.77 +/-	2R5	4	1	3,835,561:32:0	
338	97	50	13:35:40.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1275.65 +/-	2R5	4	1	3,835,561:44:0	
339	97	50	13:40:46.066	488AM6B	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R5	4	1	3,835,566:48:0	
340	97	50	13:59:25.400	165CF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,835,584:89:0	
341	97	50	13:59:26.066	165CF4B	7SCAN	NORM,252.000999,	Check S/P Position	2R5	4	1	3,835,584:90:0	
342	97	50	14:15:19.333	488AM6C	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R5	4	1	3,835,600:64:0	
343	97	50	14:48:58.000	165JP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,835,633:89:0	
344	97	50	14:48:58.666	165JP4B	7SCAN	NORM,254.157999,	Check S/P Position	2R5	4	1	3,835,633:90:0	
345	97	50	14:51:53.333	118JP	**SMOS**	GS		2R5	4	1	3,835,636:79:0	
346	97	50	14:52:03.333	118JP110A111A4A	7STRP	0.00015,-0.0032,	Slew =,3.01	2R5	4	1	3,835,637:03:0	
347	97	50	14:52:12.000	118JP110A111A4B	7STRP	-0.0035,0.0032,0	Slew =,3.01	2R5	4	1	3,835,637:16:0	
348	97	50	14:52:17.333	175ID422A6A	6DMSC	R806,1	DMS Control	2R5	4	1	3,835,637:24:0	
349	97	50	14:52:20.666	118JP110A111A4C	7STRP	0.00015,-0.0032,	Slew =,3.01	2R5	4	1	3,835,637:29:0	
350	97	50	14:52:28.666	175ID176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R5	4	1	3,835,637:41:0	
351	97	50	14:52:29.266		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *1341.71 +/-	2R5	4	1	3,835,637:41:9	
352	97	50	14:52:29.333	118JP11A	**SMOS**	GE		2R5	4	1	3,835,637:42:0	
353	97	50	14:52:35.333	175ID422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,835,637:51:0	
354	97	50	14:52:35.333		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *1491.00 +/-	2R5	4	1	3,835,637:51:0	
355	97	50	14:53:00.666	165CG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,835,637:89:0	
356	97	50	14:53:01.333	165CG4B	7SCAN	NORM,254.591999,	Check S/P Position	2R5	4	1	3,835,637:90:0	
357	97	50	15:19:30.666	488AM6D	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	2R5	4	1	3,835,664:17:0	
358	97	50	15:36:29.333	165AG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,835,680:89:0	
359	97	50	15:36:30.000	165AG4B	7SCAN	NORM,241.974998,	Check S/P Position	2R5	4	1	3,835,680:90:0	
360	97	50	15:40:24.000	117AG	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,835,684:77:0	
361	97	50	15:40:33.333	117AG105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,835,685:00:0	
362	97	50	15:53:38.666	488AM6E	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R5	4	1	3,835,697:86:0	
363	97	50	16:09:52.666	117AG105A106A4B	7STRP	0.013501,0.0,0,0	Slew =12.01	2R5	4	1	3,835,714:00:0	
364	97	50	16:10:53.333	117AG105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,835,715:00:0	
365	97	50	16:31:50.666	488AN6A	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R5	4	1	3,835,735:66:0	
366	97	50	16:40:12.666	117AG105A106A4D	7STRP	0.013501,0.0,0,0	Slew =12.01	2R5	4	1	3,835,744:00:0	
367	97	50	16:41:13.333	117AG105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,835,745:00:0	
368	97	50	17:00:00.000	488AN6B	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R5	4	1	3,835,763:52:0	
369	97	50	17:10:32.666	117AG105A106A4F	7STRP	0.013501,0.0,0,0	Slew =12.01	2R5	4	1	3,835,774:00:0	
370	97	50	17:11:33.333	117AG105A106A4G	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,835,775:00:0	
371	97	50	17:40:52.666	117AG105A106A4H	7STRP	0.013501,0.0,0,0	Slew =12.01	2R5	4	1	3,835,804:00:0	
372	97	50	17:41:53.333	117AG105A106A4I	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,835,805:00:0	
373	97	50	17:57:10.666	488AN6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R5	4	1	3,835,820:11:0	
374	97	50	18:11:12.666	117AG105A106A4J	7STRP	0.013501,0.0,0,0	Slew =12.01	2R5	4	1	3,835,834:00:0	
375	97	50	18:12:13.333	117AG105A106A4K	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,835,835:00:0	
376	97	50	18:31:18.666	488AN6D	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2R5	4	1	3,835,853:80:0	
377	97	50	18:41:32.666	117AG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,835,864:00:0	
378	97	50	18:42:32.000	165GB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,835,864:89:0	
379	97	50	18:42:32.666	165GB4B	7SCAN	NORM,245.087999,	Check S/P Position	2R5	4	1	3,835,864:90:0	
380	97	50	18:46:26.666	117GB	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,835,868:77:0	
381	97	50	18:46:36.000	117GB105A106A4A	7STRP	0.0,0.107344,0,0	Slew =,0.04	2R5	4	1	3,835,869:00:0	
382	97	50	18:46:36.000	176GB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,835,869:00:0	
383	97	50	18:59:36.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1506.51 +/-	2R5	4	1	3,835,881:78:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
384	97	50	18:59:56.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1511.20 +/-	2R5	4	1	3,835,882:17:0
385	97	50	19:12:38.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1515.27 +/-	2R5	4	1	3,835,894:68:0
386	97	50	19:12:58.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1519.96 +/-	2R5	4	1	3,835,895:07:0
387	97	50	19:25:40.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1524.03 +/-	2R5	4	1	3,835,907:58:0
388	97	50	19:26:00.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1528.72 +/-	2R5	4	1	3,835,907:88:0
389	97	50	19:38:24.000	176GB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,835,920:21:0
390	97	50	19:38:24.000	117GB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,835,920:21:0
391	97	50	19:38:42.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1532.63 +/-	2R5	4	1	3,835,920:48:0
392	97	50	19:39:01.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1537.16 +/-	2R5	4	1	3,835,920:77:0
393	97	50	20:12:31.333	165DF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,835,953:89:0
394	97	50	20:12:32.000	165DF4B	7SCAN	NORM,88.115999,7	Check S/P Position	2R5	4	1	3,835,953:90:0
395	**97**	**50**	**20:12:36.667**	**E6NNHNDARK01-**		**-----START------**		**2R5**	**4**	**1**	**: :**
396	**97**	**50**	**20:15:30.000**	**127DF4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,835,956:84:0**
397	97	50	20:15:30.000	127DF	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,835,956:84:0
398	**97**	**50**	**20:15:30.666**	**127DF4B**	**37ETB**	**07,C7,05,FF,FF,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,835,956:85:0**
399	97	50	20:15:38.666	127DF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,835,957:06:0
400	97	50	20:16:24.000	175DF422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	3,835,957:74:0
401	97	50	20:16:32.000	175DF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,835,957:86:0
402	97	50	20:16:32.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1537.34 +/-	2R3	4	0	3,835,957:86:1
403	**97**	**50**	**20:16:34.822**	**E6NNHNDARK01-**	**NIMPBK**	**301DD**	**DARK OBSERVATION**	**2R3**	**4**	**0**	**: :**
404	**97**	**50**	**20:17:35.489**	**E6NNHNDARK01-**	**DESELC**	**300DD**	**DARK OBSERVATION**	**2R3**	**4**	**0**	**: :**
405	97	50	20:17:38.000	175DF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,835,959:03:0
406	97	50	20:17:38.000	175DF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,835,959:03:0
407	97	50	20:17:38.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1552.80 +/-	2R3	4	0	3,835,959:03:0
408	**97**	**50**	**20:18:40.667**	**E6NNHNDARK01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
409	97	50	20:30:43.333	165DG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,835,971:89:0
410	97	50	20:30:44.000	165DG4B	7SCAN	NORM,269.807999,	Check S/P Position	2R3	4	0	3,835,971:90:0
411	**97**	**50**	**20:30:48.667**	**E6INCHEMIS01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
412	**97**	**50**	**20:32:41.333**	**127DG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,835,973:84:0**
413	97	50	20:32:41.333	127DG	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,835,973:84:0
414	**97**	**50**	**20:32:42.000**	**127DG4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,835,973:85:0**
415	97	50	20:32:50.000	127DG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,835,974:06:0
416	97	50	20:33:32.666	175DG422A6A	6DMSC	R28,1	DMS Control	2R3	4	0	3,835,974:70:0
417	97	50	20:33:37.333	117DG	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,835,974:77:0
418	97	50	20:33:43.333	175DG176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,835,974:86:0
419	97	50	20:33:43.333		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *1554.36 +/-	2R3	4	0	3,835,974:86:0
420	**97**	**50**	**20:33:46.155**	**E6INCHEMIS01-**	**NIMPBK**	**301DE**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
421	97	50	20:33:46.666	117DG105A106A4A	**7STRP**	**-0.002,0.0,0,0,0**	**Slew =,0.02**	2R3	4	0	3,835,975:00:0
422	**97**	**50**	**20:35:30.155**	**E6INCHEMIS01-**	**DESELC**	**300DE**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
423	97	50	20:35:30.666	117DG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,835,976:65:0
424	97	50	20:35:32.000	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,835,976:67:0
425	97	50	20:35:32.000		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *1649.86 +/-	2R3	4	0	3,835,976:67:0
426	**97**	**50**	**20:35:52.000**	**E6INCHEMIS01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
427	97	50	21:03:04.666	165JS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,836,003:89:0
428	97	50	21:03:05.333	165JS4B	7SCAN	NORM,270.960999,	Check S/P Position	2R3	4	0	3,836,003:90:0
429	97	50	21:07:00.666	118JS	**SMOS**	GS		2R3	4	0	3,836,007:79:0
430	97	50	21:07:10.666	118JS110A111A4A	7STRP	0.0041,0.0,26,0,	Slew =,3.01	2R3	4	0	3,836,008:03:0
431	97	50	21:07:19.333	118JS110A111A4B	7STRP	-0.00394,0.0039,	Slew =,3.01	2R3	4	0	3,836,008:16:0
432	97	50	21:07:24.666	175IE422A6A	6DMSC	R806,1	DMS Control	2R3	4	0	3,836,008:24:0
433	97	50	21:07:28.000	118JS110A111A4C	7STRP	0.0041,0.0,26,0,	Slew =,3.01	2R3	4	0	3,836,008:29:0
434	97	50	21:07:36.000	175IE176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,836,008:41:0
435	97	50	21:07:36.600		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *1716.16 +/- 1	2R3	4	0	3,836,008:41:9
436	97	50	21:07:36.666	118JS11A	**SMOS**	GE		2R3	4	0	3,836,008:42:0
437	97	50	21:07:43.333		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *1881.87 +/- 1	2R3	4	0	3,836,008:52:0
438	97	50	21:07:43.333	175IE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,836,008:52:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	97	50	21:32:20.666	125FY11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,836,032:84:0	
440	97	50	21:32:20.666	125FY	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,836,032:84:0	
441	**97**	**50**	**21:32:20.666**	**125FY4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,836,032:84:0**	
442	**97**	**50**	**21:32:29.267**	**E6NNHEALTH01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
443	**97**	**50**	**21:33:21.333**	**127FY4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,836,033:84:0**	
444	97	50	21:33:21.333	127FY	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,836,033:84:0	
445	**97**	**50**	**21:33:22.000**	**127FY4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,836,033:85:0**	
446	97	50	21:33:30.000	127FY11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,836,034:06:0	
447	**97**	**50**	**21:33:46.000**	**432EA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,836,034:30:0**	
448	**97**	**50**	**21:34:45.333**	**432EB6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,836,035:28:0**	
449	**97**	**50**	**21:37:32.600**	**E6NIMSP2LD01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
450	**97**	**50**	**21:37:32.600**	**E6NNHEALTH01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
451	**97**	**50**	**21:38:33.333**	**20EB6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,836,039:06:0**	
452	**97**	**50**	**21:39:34.000**	**20EB5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,836,040:06:0**	
453	**97**	**50**	**21:40:34.666**	**20EB5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,836,041:06:0**	
454	**97**	**50**	**21:41:35.333**	**20EB6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,836,042:06:0**	
455	**97**	**50**	**21:42:36.000**	**20EB6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,836,043:06:0**	
456	**97**	**50**	**21:43:36.666**	**20EB5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,836,044:06:0**	
457	**97**	**50**	**21:44:37.333**	**20EB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,836,045:06:0**	
458	97	50	21:45:32.666	165DH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	260	4	0	3,836,045:89:0	
459	97	50	21:45:33.333	165DH4B	7SCAN	NORM,251.030998,	Check S/P Position	260	4	0	3,836,045:90:0	
460	**97**	**50**	**21:45:37.934**	**E6JNFEA04801-**		**-----START------**		**260**	**4**	**0**	**: :**	
461	**97**	**50**	**21:45:38.000**	**20EB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,836,046:06:0**	
462	**97**	**50**	**21:46:38.666**	**20EB4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,836,047:06:0**	
463	**97**	**50**	**21:47:39.267**	**E6NIMSP2LD01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
464	**97**	**50**	**21:48:31.333**	**127DH4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,836,048:84:0**	
465	97	50	21:48:31.333	127DH	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,836,048:84:0	
466	**97**	**50**	**21:48:32.000**	**127DH4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,836,048:85:0**	
467	97	50	21:48:40.000	127DH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,836,049:06:0	
468	97	50	21:49:25.333	175DH422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R5	4	1	3,836,049:74:0	
469	97	50	21:49:27.333	117DH	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,836,049:77:0	
470	97	50	21:49:33.333	175DH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,836,049:86:0	
471	97	50	21:49:33.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1893.49 +/- 1	2R5	4	1	3,836,049:86:1	
472	97	50	21:49:36.666	117DH105A106A4A	**7STRP**	**-0.0109,0.0,0,0,**	**Slew =,0.11**	2R5	4	1	3,836,050:00:0	
473	**97**	**50**	**21:49:36.819**	**E6JNFEA04801-**	**NIMPBK**	**301DF**	**JUPITER FEATURE TRACK 48 DEG PHA**	**2R5**	**4**	**1**	**: :**	
474	**97**	**50**	**21:51:16.153**	**E6JNFEA04801-**	**DESELC**	**300DF**	**JUPITER FEATURE TRACK 48 DEG PHA**	**2R5**	**4**	**1**	**: :**	
475	97	50	21:51:16.666	117DH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,836,051:59:0	
476	97	50	21:51:18.000	175DH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,836,051:61:0	
477	97	50	21:51:18.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1918.00 +/- 1	2R5	4	1	3,836,051:61:0	
478	97	50	21:51:18.000	175DH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,836,051:61:0	
479	**97**	**50**	**21:51:41.934**	**E6JNFEA04801-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
480	97	50	22:01:43.333	165JA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,061:89:0	
481	97	50	22:01:44.000	165JA4B	7SCAN	NORM,252.127998,	Check S/P Position	2R5	4	1	3,836,061:90:0	
482	**97**	**50**	**22:01:48.600**	**E6JNFEA04802-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
483	97	50	22:02:35.333	175IF422A6A	6DMSC	R115,1	DMS Control	2R5	4	1	3,836,062:76:0	
484	97	50	22:02:37.333	118JA	**SMOS**	GS		2R5	4	1	3,836,062:79:0	
485	97	50	22:02:46.000		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1924.36 +/- 1	2R5	4	1	3,836,063:01:0	
486	97	50	22:02:46.000	175IF176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,836,063:01:0	
487	97	50	22:02:47.333	118JA110A111A4A	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,836,063:03:0	
488	97	50	22:03:33.333	118JA110A111B4A	7STRP	0.0,-0.007,0,0,0	Slew =0,5.0	2R5	4	1	3,836,063:72:0	
489	97	50	22:03:48.666	118JA110A111B4B	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,836,064:04:0	
490	97	50	22:04:34.666	118JA110A111A4B	7STRP	0.0,0.007,0,0,0,	Slew =0,5.0	2R5	4	1	3,836,064:73:0	
491	97	50	22:04:50.000	118JA110A111A4C	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,836,065:05:0	
492	**97**	**50**	**22:04:50.600**	**E6JNFEA04802-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
493	97	50	22:05:36.000	118JA110A111B4C	7STRP	0.0,-0.007,0,0,0	Slew =0,5.0	2R5	4	1	3,836,065:74:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
494	97	50	22:05:51.333	118JA110A111B4D	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,836,066:06:0
495	97	50	22:06:37.333	118JA11A	**SMOS**	GE		2R5	4	1	3,836,066:75:0
496	97	50	22:06:41.333	116JA4A	7STRP	0.0,0.007,0,0,0,	Slew =0,5.0	2R5	4	1	3,836,066:81:0
497	97	50	22:06:48.000	176IB6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,836,067:00:0
498	97	50	22:06:52.000	118JB	**SMOS**	GS		2R5	4	1	3,836,067:06:0
499	97	50	22:07:35.333	118JB110A111A4A	7STRP	-0.007,0.0,46,0,	Slew =,3.51	2R5	4	1	3,836,067:71:0
500	97	50	22:07:48.666	176IC6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,836,068:00:0
501	97	50	22:08:21.333	118JB110A111B4A	7STRP	0.0,-0.007,0,0,0	Slew =0,5.0	2R5	4	1	3,836,068:49:0
502	97	50	22:08:36.666	118JB110A111B4B	7STRP	-0.007,0.0,46,0,	Slew =,3.51	2R5	4	1	3,836,068:72:0
503	97	50	22:09:22.666	118JB110A111A4B	7STRP	0.0,0.007,0,0,0,	Slew =0,5.0	2R5	4	1	3,836,069:50:0
504	97	50	22:09:38.000	118JB110A111A4C	7STRP	-0.007,0.0,46,0,	Slew =,3.51	2R5	4	1	3,836,069:73:0
505	97	50	22:10:24.000	118JB110A111B4C	7STRP	0.0,-0.007,0,0,0	Slew =0,5.0	2R5	4	1	3,836,070:51:0
506	97	50	22:10:39.333	118JB110A111B4D	7STRP	-0.007,0.0,46,0,	Slew =,3.51	2R5	4	1	3,836,070:74:0
507	97	50	22:11:21.333	175IF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,836,071:46:0
508	97	50	22:11:21.333		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3736.08 +/- 1	2R5	4	1	3,836,071:46:0
509	97	50	22:11:25.333	118JB11A	**SMOS**	GE		2R5	4	1	3,836,071:52:0
510	97	50	22:11:50.000	165DI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,071:89:0
511	97	50	22:11:50.666	165DI4B	7SCAN	NORM,251.827,-26	Check S/P Position	2R5	4	1	3,836,071:90:0
512	97	50	22:12:38.000	175DI422A6A	6DMSC	R28,1	DMS Control	2R5	4	1	3,836,072:70:0
513	97	50	22:12:42.666	117DI	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,836,072:77:0
514	97	50	22:12:48.666		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *3738.58 +/- 1	2R5	4	1	3,836,072:86:0
515	97	50	22:12:48.666	175DI176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R5	4	1	3,836,072:86:0
516	97	50	22:12:52.000	117DI105A106A4A	**7STRP**	**-0.0109,0.0,0,0,**	**Slew =,0.11**	2R5	4	1	3,836,073:00:0
517	97	50	22:14:32.000	117DI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,836,074:59:0
518	97	50	22:14:33.333		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *3830.57 +/- 1	2R5	4	1	3,836,074:61:0
519	97	50	22:14:33.333	175DI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,836,074:61:0
520	97	50	22:14:52.000	165AH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,074:89:0
521	97	50	22:14:52.666	165AH4B	7SCAN	NORM,251.518999,	Check S/P Position	2R5	4	1	3,836,074:90:0
522	97	50	22:15:44.666	117AH	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,836,075:77:0
523	97	50	22:15:54.000	117AH105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,076:00:0
524	97	50	22:17:24.666	117AH105A106A4B	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,077:45:0
525	97	50	22:17:55.333	117AH105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,078:00:0
526	97	50	22:19:26.000	117AH105A106A4D	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,079:45:0
527	97	50	22:19:56.666	117AH105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,080:00:0
528	**97**	**50**	**22:21:01.267**	**E6JNPFTB4801-**		**-----START------**		**2R5**	**4**	**1**	**: :**
529	97	50	22:21:27.333	117AH105A106A4F	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,081:45:0
530	97	50	22:21:58.000	117AH105A106A4G	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,082:00:0
531	97	50	22:23:28.666	117AH105A106B4A	7STRP	-0.012001,-0.007	Slew =12.01	2R5	4	1	3,836,083:45:0
532	97	50	22:23:59.333	117AH105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,084:00:0
533	97	50	22:25:30.000	117AH105A106C4A	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,085:45:0
534	97	50	22:26:00.666	117AH105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,086:00:0
535	97	50	22:27:31.333	117AH105A106C4C	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,087:45:0
536	97	50	22:28:02.000	117AH105A106C4D	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,088:00:0
537	97	50	22:29:32.666	117AH105A106C4E	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,089:45:0
538	97	50	22:29:58.666	127FC	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,836,089:84:0
539	**97**	**50**	**22:29:58.666**	**127FC4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,836,089:84:0**
540	**97**	**50**	**22:29:59.333**	**127FC4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,836,089:85:0**
541	97	50	22:30:03.333	117AH105A106C4F	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,090:00:0
542	**97**	**50**	**22:30:07.267**	**E6JNPFTB4801-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
543	97	50	22:30:07.333	127FC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,836,090:06:0
544	97	50	22:31:34.000	117AH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,836,091:45:0
545	97	50	22:32:03.333	165DK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,091:89:0
546	97	50	22:32:04.000	165DK4B	7SCAN	NORM,251.943998,	Check S/P Position	2R5	4	1	3,836,091:90:0
547	97	50	22:32:54.000	175DK422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R5	4	1	3,836,092:74:0
548	97	50	22:32:56.000	117DK	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,836,092:77:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	97	50	22:33:02.000	175DK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,836,092:86:0	
550	97	50	22:33:02.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3830.99 +/- 1	2R5	4	1	3,836,092:86:1	
551	97	50	22:33:05.333	117DK105A106A4A	**7STRP**	**-0.023804,0.0,0,**	**Slew =,0.12**	2R5	4	1	3,836,093:00:0	
552	**97**	**50**	**22:33:05.484**	**E6JNPFTB4801-**	**NIMPBK**	**301DH**	**JUPITER FEATURE TRACK B 48 DEG P**	**2R5**	**4**	**1**	**: :**	
553	97	50	22:36:25.333	117DK105A106A4B	**7STRP**	**0.023804,-0.008,**	**Slew =12.01**	2R5	4	1	3,836,096:27:0	
554	97	50	22:36:38.666	117DK105A106A4C	**7STRP**	**-0.023804,0.0,0,**	**Slew =,0.12**	2R5	4	1	3,836,096:47:0	
555	**97**	**50**	**22:39:58.151**	**E6JNPFTB4801-**	**DESELC**	**300DH**	**JUPITER FEATURE TRACK B 48 DEG P**	**2R5**	**4**	**1**	**: :**	
556	97	50	22:39:58.666	117DK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,836,099:74:0	
557	97	50	22:40:00.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3928.95 +/- 1	2R5	4	1	3,836,099:76:0	
558	97	50	22:40:00.000	175DK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,836,099:76:0	
559	97	50	22:40:00.000	175DK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,836,099:76:0	
560	97	50	22:40:08.666	165JD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,099:89:0	
561	97	50	22:40:09.333	165JD4B	7SCAN	NORM,252.313,-25	Check S/P Position	2R5	4	1	3,836,099:90:0	
562	97	50	22:41:00.666	175IG422A6A	6DMSC	R115,1	DMS Control	2R5	4	1	3,836,100:76:0	
563	97	50	22:41:02.666	118JD	**SMOS**	GS		2R5	4	1	3,836,100:79:0	
564	97	50	22:41:11.333	175IG176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,836,101:01:0	
565	97	50	22:41:11.333		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3935.31 +/- 1	2R5	4	1	3,836,101:01:0	
566	97	50	22:41:12.666	118JD110A111A4A	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,836,101:03:0	
567	97	50	22:41:58.666	118JD110A111B4A	7STRP	0.0,-0.007,0,0,0	Slew =0,5.0	2R5	4	1	3,836,101:72:0	
568	97	50	22:42:14.000	118JD110A111B4B	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,836,102:04:0	
569	97	50	22:43:00.000	118JD110A111A4B	7STRP	0.0,0.007,0,0,0,	Slew =0,5.0	2R5	4	1	3,836,102:73:0	
570	97	50	22:43:15.333	118JD110A111A4C	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,836,103:05:0	
571	97	50	22:44:01.333	118JD110A111B4C	7STRP	0.0,-0.007,0,0,0	Slew =0,5.0	2R5	4	1	3,836,103:74:0	
572	97	50	22:44:16.666	118JD110A111B4D	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,836,104:06:0	
573	97	50	22:45:02.666	118JD11A	**SMOS**	GE		2R5	4	1	3,836,104:75:0	
574	97	50	22:45:06.666	116JD4A	7STRP	0.0,0.007,0,0,0,	Slew =0,5.0	2R5	4	1	3,836,104:81:0	
575	97	50	22:45:13.333	176ID6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,836,105:00:0	
576	97	50	22:45:17.333	118JE	**SMOS**	GS		2R5	4	1	3,836,105:06:0	
577	97	50	22:46:00.666	118JE110A111A4A	7STRP	-0.007,0.0,46,0,	Slew =,3.51	2R5	4	1	3,836,105:71:0	
578	97	50	22:46:14.000	176IE6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,836,106:00:0	
579	97	50	22:46:46.666	118JE110A111B4A	7STRP	0.0,-0.007,0,0,0	Slew =0,5.0	2R5	4	1	3,836,106:49:0	
580	97	50	22:47:02.000	118JE110A111B4B	7STRP	-0.007,0.0,46,0,	Slew =,3.51	2R5	4	1	3,836,106:72:0	
581	97	50	22:47:48.000	118JE110A111A4B	7STRP	0.0,0.007,0,0,0,	Slew =0,5.0	2R5	4	1	3,836,107:50:0	
582	97	50	22:48:03.333	118JE110A111A4C	7STRP	-0.007,0.0,46,0,	Slew =,3.51	2R5	4	1	3,836,107:73:0	
583	97	50	22:48:49.333	118JE110A111B4C	7STRP	0.0,-0.007,0,0,0	Slew =0,5.0	2R5	4	1	3,836,108:51:0	
584	97	50	22:49:04.666	118JE110A111B4D	7STRP	-0.007,0.0,46,0,	Slew =,3.51	2R5	4	1	3,836,108:74:0	
585	97	50	22:49:46.666	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,836,109:46:0	
586	97	50	22:49:46.666		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5747.03 +/- 1	2R5	4	1	3,836,109:46:0	
587	97	50	22:49:50.666	118JE11A	**SMOS**	GE		2R5	4	1	3,836,109:52:0	
588	97	50	22:50:15.333	165AJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,109:89:0	
589	97	50	22:50:16.000	165AJ4B	7SCAN	NORM,251.484999,	Check S/P Position	2R5	4	1	3,836,109:90:0	
590	97	50	22:51:08.000	117AJ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,836,110:77:0	
591	97	50	22:51:17.333	117AJ105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,111:00:0	
592	97	50	22:52:48.000	117AJ105A106A4B	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,112:45:0	
593	97	50	22:53:18.666	117AJ105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,113:00:0	
594	97	50	22:54:49.333	117AJ105A106A4D	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,114:45:0	
595	97	50	22:55:20.000	117AJ105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,115:00:0	
596	97	50	22:56:50.666	117AJ105A106A4F	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,116:45:0	
597	97	50	22:57:21.333	117AJ105A106A4G	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,117:00:0	
598	97	50	22:58:52.000	117AJ105A106B4A	7STRP	-0.013001,-0.007	Slew =12.01	2R5	4	1	3,836,118:45:0	
599	97	50	22:59:22.666	117AJ105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,119:00:0	
600	97	50	23:00:53.333	117AJ105A106C4A	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,120:45:0	
601	97	50	23:01:24.000	117AJ105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,121:00:0	
602	97	50	23:02:54.666	117AJ105A106C4C	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,122:45:0	
603	97	50	23:03:25.333	117AJ105A106C4D	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,123:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
604	97	50	23:04:56.000	117AJ105A106C4E	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,124:45:0
605	97	50	23:05:26.666	117AJ105A106C4F	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,125:00:0
606	97	50	23:06:57.333	117AJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,836,126:45:0
607	97	50	23:07:26.666	165II4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,126:89:0
608	97	50	23:07:27.333	165II4B	7SCAN	NORM,242.035999,	Check S/P Position	2R5	4	1	3,836,126:90:0
609	97	50	23:08:20.666	118II	**SMOS**	GS		2R5	4	1	3,836,127:79:0
610	97	50	23:08:27.333	165II4C	7VECT		Inert vect update UTC	2R5	4	1	3,836,127:89:0
611	97	50	23:08:28.000	165II4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,836,127:90:0
612	97	50	23:08:30.666	118II110A111A4A	7STRP	-0.0005,0.0,26,0	Slew =,1.01	2R5	4	1	3,836,128:03:0
613	97	50	23:08:44.666	175IH422A6A	6DMSC	R806,1	DMS Control	2R5	4	1	3,836,128:24:0
614	97	50	23:08:56.000	175IH176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R5	4	1	3,836,128:41:0
615	97	50	23:08:56.600		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *5814.03 +/- 1	2R5	4	1	3,836,128:41:9
616	97	50	23:08:56.666	118II11A	**SMOS**	GE		2R5	4	1	3,836,128:42:0
617	97	50	23:08:58.666		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *5864.89 +/- 1	2R5	4	1	3,836,128:45:0
618	97	50	23:08:58.666	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,836,128:45:0
619	97	50	23:10:28.666	165AK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,129:89:0
620	97	50	23:10:29.333	165AK4B	7SCAN	NORM,252.139,-25	Check S/P Position	2R5	4	1	3,836,129:90:0
621	97	50	23:14:26.000	465KA6A	6DTRN	CMD,6DTRN,465KA6	DMS TRACK TURNAROUND	2R5	4	1	3,836,133:81:0
622	**97**	**50**	**23:25:43.934**	**E6JNFEA04803-**		**-----START------**		**2R5**	**4**	**1**	**: :**
623	97	50	23:26:08.666	165AL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,145:43:0
624	97	50	23:26:09.333	165AL4B	7SCAN	NORM,252.547998,	Check S/P Position	2R5	4	1	3,836,145:44:0
625	**97**	**50**	**23:33:49.267**	**E6JNPFTA4802-**		**-----START------**		**2R5**	**4**	**1**	**: :**
626	**97**	**50**	**23:33:49.267**	**E6JNFEA04803-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
627	97	50	23:38:44.000	127DL	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,836,157:84:0
628	**97**	**50**	**23:38:44.000**	**127DL4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,836,157:84:0**
629	**97**	**50**	**23:38:44.666**	**127DL4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,836,157:85:0**
630	97	50	23:38:45.333		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 6025.38 +/-	2R5	4	1	3,836,157:86:0
631	97	50	23:38:45.333	175DL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,836,157:86:0
632	97	50	23:38:47.333	165DL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,157:89:0
633	97	50	23:38:48.000	165DL4B	7SCAN	NORM,251.258999,	Check S/P Position	2R5	4	1	3,836,157:90:0
634	97	50	23:38:52.666	127DL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,836,158:06:0
635	97	50	23:38:54.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *6026.67 +/-	2R5	4	1	3,836,158:08:9
636	97	50	23:38:54.666	175DL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,836,158:09:0
637	97	50	23:39:40.000	117DL	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,836,158:77:0
638	97	50	23:39:49.333	117DL105A106A4A	**7STRP**	**-0.0109,0.0,0,0,**	**Slew =,0.11**	2R5	4	1	3,836,159:00:0
639	**97**	**50**	**23:39:49.482**	**E6JNFEA04803-**	**NIMPBK**	**301DJ**	**JUPITER FEATURE TRACK 48 DEG PHA**	**2R5**	**4**	**1**	**: :**
640	97	50	23:41:29.333	117DL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,836,160:59:0
641	**97**	**50**	**23:41:29.482**	**E6JNFEA04803-**	**DESELC**	**300DJ**	**JUPITER FEATURE TRACK 48 DEG PHA**	**2R5**	**4**	**1**	**: :**
642	97	50	23:41:50.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5985.41 +/-	2R5	4	1	3,836,161:00:0
643	97	50	23:41:50.666	175DL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,836,161:00:0
644	97	50	23:41:50.666	175DL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,836,161:00:0
645	**97**	**50**	**23:41:54.600**	**E6JNPFTB4802-**		**-----START------**		**2R5**	**4**	**1**	**: :**
646	**97**	**50**	**23:41:54.600**	**E6JNPFTA4802-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
647	**97**	**50**	**23:44:48.000**	**127DM4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,836,163:84:0**
648	97	50	23:44:48.000	127DM	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,836,163:84:0
649	**97**	**50**	**23:44:48.666**	**127DM4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,836,163:85:0**
650	97	50	23:44:56.666	127DM11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,836,164:06:0
651	97	50	23:45:52.000	165DM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,164:89:0
652	97	50	23:45:52.666	165DM4B	7SCAN	NORM,252.136,-25	Check S/P Position	2R5	4	1	3,836,164:90:0
653	97	50	23:46:41.333		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 5985.35 +/-	2R5	4	1	3,836,165:72:0
654	97	50	23:46:41.333	175DM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,836,165:72:0
655	97	50	23:46:44.666	117DM	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,836,165:77:0
656	97	50	23:46:50.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5986.64 +/-	2R5	4	1	3,836,165:85:9
657	97	50	23:46:50.666	175DM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,836,165:86:0
658	97	50	23:46:54.000	117DM105A106A4A	**7STRP**	**-0.021603,0.0,0,**	**Slew =,0.11**	2R5	4	1	3,836,166:00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	97	50	23:50:20.666	117DM105A106B4A	**7STRP**	**0.011,-0.008,0,0**	**Slew =12.01**	2R5	4	1	3,836,169:37:0	
660	97	50	23:50:34.000	117DM105A106B4B	**7STRP**	**-0.0109,0.0,0,0,**	**Slew =,0.11**	2R5	4	1	3,836,169:57:0	
661	97	50	23:52:14.000	117DM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,836,171:25:0	
662	97	50	23:52:56.666	165DN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,171:89:0	
663	97	50	23:52:57.333	165DN4B	7SCAN	NORM,252.134998,	Check S/P Position	2R5	4	1	3,836,171:90:0	
664	**97**	**50**	**23:53:01.934**	**E6JNPFTB4802-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
665	97	50	23:53:49.333	117DN	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,836,172:77:0	
666	97	50	23:53:58.666	117DN105A106A4A	**7STRP**	**-0.021904,0.0,0,**	**Slew =,0.11**	2R5	4	1	3,836,173:00:0	
667	**97**	**50**	**23:53:58.814**	**E6JNPFTB4802-**	**NIMPBK**	**301DL**	**JUPITER FEATURE TRACK B 48 DEG P**	**2R5**	**4**	**1**	**: :**	
668	97	50	23:57:18.666	117DN105A106A4B	**7STRP**	**0.021904,-0.008,**	**Slew =12.01**	2R5	4	1	3,836,176:27:0	
669	97	50	23:57:32.000	117DN105A106A4C	**7STRP**	**-0.021904,0.0,0,**	**Slew =,0.11**	2R5	4	1	3,836,176:47:0	
670	97	51	00:00:52.000	117DN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,836,179:74:0	
671	**97**	**51**	**00:00:52.148**	**E6JNPFTB4802-**	**DESELC**	**300DL**	**JUPITER FEATURE TRACK B 48 DEG P**	**2R5**	**4**	**1**	**: :**	
672	97	51	00:01:02.000	165AM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,179:89:0	
673	97	51	00:01:02.666	165AM4B	7SCAN	NORM,252.172998,	Check S/P Position	2R5	4	1	3,836,179:90:0	
674	97	51	00:01:13.333	175DM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,836,180:15:0	
675	97	51	00:01:13.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5784.44 +/-	2R5	4	1	3,836,180:15:0	
676	97	51	00:01:13.333	175DM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,836,180:15:0	
677	97	51	00:06:05.333	165JG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,184:89:0	
678	97	51	00:06:06.000	165JG4B	7SCAN	NORM,252.193998,	Check S/P Position	2R5	4	1	3,836,184:90:0	
679	97	51	00:06:56.000		DMS:	: *US-RUNUP	R115, TRACK 2, REV, TIC 5784.38 +/-	2R5	4	1	3,836,185:74:0	
680	97	51	00:06:56.000	175II422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,836,185:74:0	
681	97	51	00:06:59.333	118JG	**SMOS**	GS		2R5	4	1	3,836,185:79:0	
682	97	51	00:07:07.866		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5779.49 +/-	2R5	4	1	3,836,186:00:8	
683	97	51	00:07:08.000	175II176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,836,186:01:0	
684	97	51	00:07:09.333	118JG110A111A4A	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,836,186:03:0	
685	97	51	00:07:55.333	118JG110A111B4A	7STRP	0.0,-0.007,0,0,0	Slew =0,5.0	2R5	4	1	3,836,186:72:0	
686	97	51	00:08:10.666	118JG110A111B4B	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,836,187:04:0	
687	97	51	00:08:56.666	118JG110A111A4B	7STRP	0.0,0.007,0,0,0,	Slew =0,5.0	2R5	4	1	3,836,187:73:0	
688	97	51	00:09:12.000	118JG110A111A4C	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,836,188:05:0	
689	97	51	00:09:58.000	118JG110A111B4C	7STRP	0.0,-0.007,0,0,0	Slew =0,5.0	2R5	4	1	3,836,188:74:0	
690	97	51	00:10:13.333	118JG110A111B4D	7STRP	-0.007,0.0,46,0,	Slew =,3.01	2R5	4	1	3,836,189:06:0	
691	97	51	00:10:59.333	118JG11A	**SMOS**	GE		2R5	4	1	3,836,189:75:0	
692	97	51	00:11:03.333	116JG4A	7STRP	0.0,0.007,0,0,0,	Slew =0,5.0	2R5	4	1	3,836,189:81:0	
693	97	51	00:11:10.000	176IF6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,836,190:00:0	
694	97	51	00:11:14.000	118JH	**SMOS**	GS		2R5	4	1	3,836,190:06:0	
695	97	51	00:11:57.333	118JH110A111A4A	7STRP	-0.007,0.0,46,0,	Slew =,3.51	2R5	4	1	3,836,190:71:0	
696	97	51	00:12:10.666	176IG6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,836,191:00:0	
697	97	51	00:12:43.333	118JH110A111B4A	7STRP	0.0,-0.007,0,0,0	Slew =0,5.0	2R5	4	1	3,836,191:49:0	
698	97	51	00:12:58.666	118JH110A111B4B	7STRP	-0.007,0.0,46,0,	Slew =,3.51	2R5	4	1	3,836,191:72:0	
699	97	51	00:13:44.666	118JH110A111A4B	7STRP	0.0,0.007,0,0,0,	Slew =0,5.0	2R5	4	1	3,836,192:50:0	
700	97	51	00:14:00.000	118JH110A111A4C	7STRP	-0.007,0.0,46,0,	Slew =,3.51	2R5	4	1	3,836,192:73:0	
701	97	51	00:14:46.000	118JH110A111B4C	7STRP	0.0,-0.007,0,0,0	Slew =0,5.0	2R5	4	1	3,836,193:51:0	
702	97	51	00:15:01.333	118JH110A111B4D	7STRP	-0.007,0.0,46,0,	Slew =,3.51	2R5	4	1	3,836,193:74:0	
703	97	51	00:15:44.000		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3964.96 +/-	2R5	4	1	3,836,194:47:0	
704	97	51	00:15:44.000	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,836,194:47:0	
705	97	51	00:15:47.333	118JH11A	**SMOS**	GE		2R5	4	1	3,836,194:52:0	
706	97	51	00:16:12.000	165AN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,194:89:0	
707	97	51	00:16:12.666	165AN4B	7SCAN	NORM,251.716,-25	Check S/P Position	2R5	4	1	3,836,194:90:0	
708	97	51	00:17:04.666	117AN	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,836,195:77:0	
709	97	51	00:17:14.000	117AN105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,196:00:0	
710	97	51	00:18:44.666	117AN105A106A4B	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,197:45:0	
711	97	51	00:19:15.333	117AN105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,198:00:0	
712	97	51	00:20:46.000	117AN105A106A4D	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,199:45:0	
713	97	51	00:21:16.666	117AN105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,200:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
714	97	51	00:22:47.333	117AN105A106B4A	7STRP	-0.007,-0.007,0,	Slew =12.01	2R5	4	1	3,836,201:45:0
715	97	51	00:23:18.000	117AN105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,202:00:0
716	97	51	00:24:48.666	117AN105A106C4A	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,203:45:0
717	97	51	00:25:19.333	117AN105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,204:00:0
718	97	51	00:26:50.000	117AN105A106C4C	7STRP	0.004,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,836,205:45:0
719	97	51	00:27:20.666	117AN105A106C4D	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R5	4	1	3,836,206:00:0
720	97	51	00:28:51.333	117AN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,836,207:45:0
721	97	51	00:29:20.666	165CH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,207:89:0
722	97	51	00:29:21.333	165CH4B	7SCAN	NORM,285.487999,	Check S/P Position	2R5	4	1	3,836,207:90:0
723	97	51	00:33:23.333	165CH4C	7VECT		Inert vect update UTC	2R5	4	1	3,836,211:89:0
724	97	51	00:33:24.000	165CH4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,836,211:90:0
725	97	51	00:37:13.333	165CH4E	7VECT		Inert vect update UTC	2R5	4	1	3,836,215:70:0
726	97	51	00:41:03.333	165CH4F	7VECT		Inert vect update UTC	2R5	4	1	3,836,219:51:0
727	97	51	00:44:53.333	165CH4G	7VECT		Inert vect update UTC	2R5	4	1	3,836,223:32:0
728	97	51	00:48:43.333	165CH4H	7VECT		Inert vect update UTC	2R5	4	1	3,836,227:13:0
729	97	51	00:52:36.000	165CI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,230:89:0
730	97	51	00:52:36.666	165CI4B	7SCAN	NORM,281.190998,	Check S/P Position	2R5	4	1	3,836,230:90:0
731	97	51	00:55:38.000	165CI4C	7VECT		Inert vect update UTC	2R5	4	1	3,836,233:89:0
732	97	51	00:55:38.666	165CI4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,836,233:90:0
733	97	51	01:14:50.666	165CJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,252:89:0
734	97	51	01:14:51.333	165CJ4B	7SCAN	NORM,279.910999,	Check S/P Position	2R5	4	1	3,836,252:90:0
735	97	51	01:15:51.333	165CJ4C	7VECT		Inert vect update UTC	2R5	4	1	3,836,253:89:0
736	97	51	01:15:52.000	165CJ4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,836,253:90:0
737	97	51	01:35:04.000	165CK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,272:89:0
738	97	51	01:35:04.666	165CK4B	7SCAN	NORM,279.723,-24	Check S/P Position	2R5	4	1	3,836,272:90:0
739	97	51	01:36:04.666	165CK4C	7VECT		Inert vect update UTC	2R5	4	1	3,836,273:89:0
740	97	51	01:36:05.333	165CK4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,836,273:90:0
741	**97**	**51**	**01:51:19.934**	**E6JNRTHOTS01-**		**-----START------**		**2R5**	**4**	**1**	**: :**
742	97	51	01:55:17.333	165CL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,292:89:0
743	97	51	01:55:18.000	165CL4B	7SCAN	NORM,279.488998,	Check S/P Position	2R5	4	1	3,836,292:90:0
744	97	51	01:56:18.000	165CL4C	7VECT		Inert vect update UTC	2R5	4	1	3,836,293:89:0
745	97	51	01:56:18.666	165CL4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,836,293:90:0
746	**97**	**51**	**01:56:23.267**	**E6JNRTHOTS01-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
747	97	51	02:00:00.000	488AO6A	6TMSED	NORM,CL6	Sci, Eng, and D/L Chan	2R5	4	1	3,836,297:58:0
748	97	51	02:15:30.666	165CM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,312:89:0
749	97	51	02:15:31.333	165CM4B	7SCAN	NORM,279.203999,	Check S/P Position	2R5	4	1	3,836,312:90:0
750	97	51	02:16:31.333	165CM4C	7VECT		Inert vect update UTC	2R5	4	1	3,836,313:89:0
751	97	51	02:16:32.000	165CM4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,836,313:90:0
752	97	51	02:35:44.000	165CN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,332:89:0
753	97	51	02:35:44.666	165CN4B	7SCAN	NORM,278.867996,	Check S/P Position	2R5	4	1	3,836,332:90:0
754	97	51	02:36:44.666	165CN4C	7VECT		Inert vect update UTC	2R5	4	1	3,836,333:89:0
755	97	51	02:36:45.333	165CN4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,836,333:90:0
756	97	51	03:09:42.666	488AO6B	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2R5	4	1	3,836,366:53:0
757	97	51	03:25:16.666	165FJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,381:89:0
758	97	51	03:25:17.333	165FJ4B	7SCAN	NORM,259.355999,	Check S/P Position	2R5	4	1	3,836,381:90:0
759	97	51	03:26:14.000	125FQ	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,836,382:84:0
760	**97**	**51**	**03:26:14.000**	**125FQ4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R5**	**4**	**1**	**3,836,382:84:0**
761	97	51	03:26:14.000	125FQ11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	3,836,382:84:0
762	97	51	03:27:14.666	127FQ	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,836,383:84:0
763	**97**	**51**	**03:27:14.666**	**127FQ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,836,383:84:0**
764	**97**	**51**	**03:27:15.333**	**127FQ4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,836,383:85:0**
765	97	51	03:27:23.333	127FQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,836,384:06:0
766	**97**	**51**	**03:27:39.333**	**432DE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,836,384:30:0**
767	97	51	03:28:10.666	117FJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,836,384:77:0
768	97	51	03:28:20.000	117FJ105A106A4A	7STRP	-0.00179,0.0,0,0	Slew =,0.03	2R3	4	0	3,836,385:00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
769	**97**	**51**	**03:28:38.666**	**432DF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,836,385:28:0**
770	97	51	03:29:20.666	117FJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,836,386:00:0
771	**97**	**51**	**03:30:16.666**	**125FR4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**3,836,386:84:0**
772	97	51	03:30:16.666	125FR11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,836,386:84:0
773	97	51	03:30:16.666	125FR	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,836,386:84:0
774	**97**	**51**	**03:48:37.333**	**E6NIMSP2LD08-**		**-----START------**		**2R3**	**4**	**0**	**: :**
775	**97**	**51**	**03:49:38.000**	**20EC6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,836,406:06:0**
776	**97**	**51**	**03:50:38.666**	**20EC5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,836,407:06:0**
777	**97**	**51**	**03:51:39.333**	**20EC5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,836,408:06:0**
778	**97**	**51**	**03:52:40.000**	**20EC6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,836,409:06:0**
779	**97**	**51**	**03:53:40.666**	**20EC6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,836,410:06:0**
780	**97**	**51**	**03:54:41.333**	**20EC5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,836,411:06:0**
781	**97**	**51**	**03:55:42.000**	**20EC5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,836,412:06:0**
782	**97**	**51**	**03:56:42.666**	**20EC4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,836,413:06:0**
783	**97**	**51**	**03:57:43.333**	**20EC4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,836,414:06:0**
784	97	51	03:58:38.666	165DO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,836,414:89:0
785	97	51	03:58:39.333	165DO4B	7SCAN	NORM,280.618999,	Check S/P Position	2R3	4	0	3,836,414:90:0
786	**97**	**51**	**03:58:44.000**	**E6NIMSP2LD08-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
787	**97**	**51**	**03:58:44.000**	**E6INCHEMIS02-**		**-----START------**		**2R3**	**4**	**0**	**: :**
788	**97**	**51**	**04:01:37.333**	**127DO4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,836,417:84:0**
789	97	51	04:01:37.333	127DO	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,836,417:84:0
790	**97**	**51**	**04:01:38.000**	**127DO4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,836,417:85:0**
791	97	51	04:01:46.000	127DO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,836,418:06:0
792	97	51	04:02:27.333		DMS:	: *US-RUNUP	R28, TRACK 2, REV, TIC 3963.96 +/-	2R3	4	0	3,836,418:68:0
793	97	51	04:02:27.333	175DO422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,836,418:68:0
794	97	51	04:02:33.333	117DO	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,836,418:77:0
795	97	51	04:02:39.200		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *3963.87 +/-	2R3	4	0	3,836,418:85:8
796	97	51	04:02:39.333	175DO176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,836,418:86:0
797	97	51	04:02:42.666	117DO105A106A4A	**7STRP**	**-0.00805,0.0,0,0**	**Slew =,0.03**	2R3	4	0	3,836,419:00:0
798	**97**	**51**	**04:02:42.805**	**E6INCHEMIS02-**	**NIMPBK**	**301DM**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
799	**97**	**51**	**04:04:34.139**	**E6INCHEMIS02-**	**NIMPBK**	**301DG**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
800	**97**	**51**	**04:04:42.805**	**E6INCHEMIS02-**	**DESELC**	**300DM**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
801	**97**	**51**	**04:06:12.139**	**E6INCHEMIS02-**	**DESELC**	**300DG**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
802	97	51	04:06:16.666		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *3772.74 +/-	2R3	4	0	3,836,422:48:0
803	97	51	04:06:16.666	175DO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,836,422:48:0
804	97	51	04:07:14.000	117DO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,836,423:43:0
805	**97**	**51**	**04:07:50.000**	**E6INCHEMIS02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
806	97	51	04:09:26.666	488AO6C	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2R3	4	0	3,836,425:60:0
807	97	51	05:09:10.666	488AO6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2R3	4	0	3,836,484:67:0
808	97	51	05:18:31.333	165DP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,836,493:89:0
809	97	51	05:18:32.000	165DP4B	7SCAN	NORM,234.0,-11.5	Check S/P Position	2R3	4	0	3,836,493:90:0
810	**97**	**51**	**05:18:36.667**	**E6NNHNDARK02-**		**-----START------**		**2R3**	**4**	**0**	**: :**
811	**97**	**51**	**05:21:30.000**	**127DP4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,836,496:84:0**
812	97	51	05:21:30.000	127DP	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,836,496:84:0
813	**97**	**51**	**05:21:30.666**	**127DP4B**	**37ETB**	**07,C7,05,FF,FF,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,836,496:85:0**
814	97	51	05:21:38.666	127DP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,836,497:06:0
815	97	51	05:22:22.666		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 3772.44 +/-	2R3	4	0	3,836,497:72:0
816	97	51	05:22:22.666	175DP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,836,497:72:0
817	97	51	05:22:31.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3773.74 +/-	2R3	4	0	3,836,497:85:9
818	97	51	05:22:32.000	175DP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,836,497:86:0
819	**97**	**51**	**05:22:35.469**	**E6NNHNDARK02-**	**NIMPBK**	**301DN**	**DARK OBSERVATION**	**2R3**	**4**	**0**	**: :**
820	**97**	**51**	**05:23:36.136**	**E6NNHNDARK02-**	**DESELC**	**300DN**	**DARK OBSERVATION**	**2R3**	**4**	**0**	**: :**
821	97	51	05:23:38.000	175DP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,836,499:03:0
822	97	51	05:23:38.000	175DP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,836,499:03:0
823	97	51	05:23:38.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3758.25 +/-	2R3	4	0	3,836,499:03:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	**97**	**51**	**05:24:40.667**	**E6NNHNDARK02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
825	97	51	05:37:16.000	488AO6E	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2R3	4	0	3,836,512:47:0	
826	97	51	05:43:18.666	488AP6A	6TMSED	FILL,CL1	Sci, Eng, and D/L Chan	2R3	4	0	3,836,518:45:0	
827	97	51	06:12:06.666	165IK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,836,546:89:0	
828	97	51	06:12:07.333	165IK4B	7SCAN	NORM,278.799999,	Check S/P Position	2R3	4	0	3,836,546:90:0	
829	97	51	06:15:58.000	175IJ422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,836,550:72:0	
830	97	51	06:15:58.000		DMS:	: *US-RUNUP	R806, TRACK 2, REV, TIC 3758.19 +/-	2R3	4	0	3,836,550:72:0	
831	97	51	06:16:10.666	175IJ176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	3,836,551:00:0	
832	97	51	06:16:11.133		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *3693.61 +/-	2R3	4	0	3,836,551:00:7	
833	97	51	06:16:20.000		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *3475.40 +/-	2R3	4	0	3,836,551:14:0	
834	97	51	06:16:20.000	175IJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,836,551:14:0	
835	97	51	06:19:34.666	488AP6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2R3	4	0	3,836,554:33:0	
836	97	51	06:32:20.000	165GD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,836,566:89:0	
837	97	51	06:32:20.666	165GD4B	7SCAN	NORM,272.077999,	Check S/P Position	2R3	4	0	3,836,566:90:0	
838	97	51	06:36:14.666	117GD	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,836,570:77:0	
839	97	51	06:36:24.000	117GD105A106A4A	7STRP	-0.007,0.060206,	Slew =,0.14	2R3	4	0	3,836,571:00:0	
840	97	51	06:36:24.000	176GD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,836,571:00:0	
841	97	51	06:48:25.333	117GD105A106B4A	7STRP	0.0,-0.0005,0,0,	Slew =12.01	2R3	4	0	3,836,582:81:0	
842	97	51	06:48:36.000	117GD105A106B4B	7STRP	0.008,0.048103,0	Slew =,0.14	2R3	4	0	3,836,583:06:0	
843	97	51	06:48:59.333		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 3463.90 +/-	2R3	4	0	3,836,583:41:0	
844	97	51	06:49:24.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3461.59 +/-	2R3	4	0	3,836,583:78:0	
845	97	51	06:49:44.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3456.90 +/-	2R3	4	0	3,836,584:17:0	
846	97	51	06:58:22.000	117GD105A106C4A	7STRP	0.0,-0.0005,0,0,	Slew =12.01	2R3	4	0	3,836,592:66:0	
847	97	51	06:58:32.666	117GD105A106C4B	7STRP	0.029008,0.04508	Slew =,0.14	2R3	4	0	3,836,592:82:0	
848	97	51	07:02:01.333		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 3456.84 +/-	2R3	4	0	3,836,596:31:0	
849	97	51	07:02:26.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3454.53 +/-	2R3	4	0	3,836,596:68:0	
850	97	51	07:02:46.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3449.84 +/-	2R3	4	0	3,836,597:07:0	
851	97	51	07:08:46.000	176GD6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,836,603:01:0	
852	97	51	07:08:46.000	117GD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,836,603:01:0	
853	97	51	07:08:48.000		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 3449.78 +/-	2R3	4	0	3,836,603:04:0	
854	97	51	07:08:58.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3450.90 +/-	2R3	4	0	3,836,603:19:0	
855	97	51	07:09:10.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3447.93 +/-	2R3	4	0	3,836,603:38:0	
856	97	51	07:20:48.666	488AP6C	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2R3	4	0	3,836,614:84:0	
857	97	51	07:43:06.666	165DQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,836,636:89:0	
858	97	51	07:43:07.333	165DQ4B	7SCAN	NORM,280.988998,	Check S/P Position	2R3	4	0	3,836,636:90:0	
859	**97**	**51**	**07:43:11.934**	**E6JNFEA02001-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
860	97	51	07:46:05.333	127DQ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,836,639:84:0	
861	**97**	**51**	**07:46:05.333**	**127DQ4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,836,639:84:0**	
862	**97**	**51**	**07:46:06.000**	**127DQ4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,836,639:85:0**	
863	97	51	07:46:14.000	127DQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,836,640:06:0	
864	97	51	07:46:58.000	175DQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,836,640:72:0	
865	97	51	07:46:58.000		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 3447.87 +/-	2R5	4	1	3,836,640:72:0	
866	97	51	07:47:01.333	117DQ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,836,640:77:0	
867	97	51	07:47:07.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3449.17 +/-	2R5	4	1	3,836,640:85:9	
868	97	51	07:47:07.333	175DQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,836,640:86:0	
869	97	51	07:47:10.666	117DQ105A106A4A	**7STRP**	**-0.022404,0.0,0,**	**Slew =,0.11**	2R5	4	1	3,836,641:00:0	
870	**97**	**51**	**07:47:10.797**	**E6JNFEA02001-**	**NIMPBK**	**301FG**	**JUPITER FEATURE TRACK 20 DEG PHA**	**2R5**	**4**	**1**	**: :**	
871	97	51	07:48:13.333	488AP6D	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2R5	4	1	3,836,642:03:0	
872	97	51	07:50:36.666	117DQ105A106A4B	**7STRP**	**0.023504,-0.0080**	**Slew =12.01**	2R5	4	1	3,836,644:36:0	
873	**97**	**51**	**07:50:42.131**	**E6JNFEA02001-**	**NIMPBK**	**301DO**	**JUPITER FEATURE TRACK 20 DEG PHA**	**2R5**	**4**	**1**	**: :**	
874	**97**	**51**	**07:50:46.131**	**E6JNFEA02001-**	**DESELC**	**300FG**	**JUPITER FEATURE TRACK 20 DEG PHA**	**2R5**	**4**	**1**	**: :**	
875	97	51	07:50:48.666	117DQ105A106A4C	**7STRP**	**-0.022404,0.0,0,**	**Slew =,0.11**	2R5	4	1	3,836,644:54:0	
876	97	51	07:54:14.666	117DQ105A106A4D	**7STRP**	**0.023504,-0.0080**	**Slew =12.01**	2R5	4	1	3,836,647:90:0	
877	97	51	07:54:26.666	117DQ105A106A4E	**7STRP**	**-0.022404,0.0,0,**	**Slew =,0.11**	2R5	4	1	3,836,648:17:0	
878	97	51	07:57:52.666	117DQ105A106A4F	**7STRP**	**0.023504,-0.0080**	**Slew =12.01**	2R5	4	1	3,836,651:53:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
879	97	51	07:58:04.666	117DQ105A106A4G	**7STRP**	**-0.022404,0.0,0,**	**Slew =,0.11**	2R5	4	1	3,836,651:71:0
880	97	51	08:01:30.666	117DQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,836,655:16:0
881	**97**	**51**	**08:01:30.796**	**E6JNFEA02001-**	**DESELC**	**300DO**	**JUPITER FEATURE TRACK 20 DEG PHA**	**2R5**	**4**	**1**	**: :**
882	97	51	08:01:42.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3244.15 +/-	2R5	4	1	3,836,655:33:0
883	97	51	08:01:42.000	175DQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,836,655:33:0
884	97	51	08:01:42.000	175DQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,836,655:33:0
885	**97**	**51**	**08:02:24.600**	**E6JNFEA02001-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
886	97	51	08:13:26.666	165DR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,666:89:0
887	97	51	08:13:27.333	165DR4B	7SCAN	NORM,281.301998,	Check S/P Position	2R5	4	1	3,836,666:90:0
888	**97**	**51**	**08:13:31.934**	**E6JNFEA02002-**		**-----START------**		**2R5**	**4**	**1**	**: :**
889	97	51	08:15:16.666		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 3244.09 +/-	2R5	4	1	3,836,668:72:0
890	97	51	08:15:16.666	175DR422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,836,668:72:0
891	97	51	08:15:20.000	117DR	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,836,668:77:0
892	97	51	08:15:25.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3245.38 +/-	2R5	4	1	3,836,668:85:9
893	97	51	08:15:26.000	175DR176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,836,668:86:0
894	97	51	08:15:29.333	117DR105A106A4A	**7STRP**	**-0.0109,0.0,0,0,**	**Slew =,0.11**	2R5	4	1	3,836,669:00:0
895	**97**	**51**	**08:15:29.463**	**E6JNFEA02002-**	**NIMPBK**	**301DP**	**JUPITER FEATURE TRACK 20 DEG PHA**	**2R5**	**4**	**1**	**: :**
896	97	51	08:17:09.333	117DR11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,836,670:59:0
897	**97**	**51**	**08:17:09.463**	**E6JNFEA02002-**	**DESELC**	**300DP**	**JUPITER FEATURE TRACK 20 DEG PHA**	**2R5**	**4**	**1**	**: :**
898	97	51	08:17:20.666	175DR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,836,670:76:0
899	97	51	08:17:20.666	175DR6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,836,670:76:0
900	97	51	08:17:20.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3218.49 +/-	2R5	4	1	3,836,670:76:0
901	**97**	**51**	**08:17:34.600**	**E6JNFEA02002-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
902	**97**	**51**	**08:18:26.666**	**125FX4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R5**	**4**	**1**	**3,836,671:84:0**
903	97	51	08:18:26.666	125FX11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	3,836,671:84:0
904	97	51	08:18:26.666	125FX	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,836,671:84:0
905	**97**	**51**	**08:18:35.267**	**E6NNHEALTH02-**		**-----START------**		**2R5**	**4**	**1**	**: :**
906	**97**	**51**	**08:19:27.333**	**127FX4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,836,672:84:0**
907	97	51	08:19:27.333	127FX	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,836,672:84:0
908	**97**	**51**	**08:19:28.000**	**127FX4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,836,672:85:0**
909	97	51	08:19:36.000	127FX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,836,673:06:0
910	**97**	**51**	**08:19:52.000**	**432EC6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,836,673:30:0**
911	**97**	**51**	**08:20:51.333**	**432ED6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,836,674:28:0**
912	**97**	**51**	**08:23:38.600**	**E6NIMSP2LD02-**		**-----START------**		**2R3**	**4**	**0**	**: :**
913	**97**	**51**	**08:23:38.600**	**E6NNHEALTH02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
914	**97**	**51**	**08:24:39.333**	**20ED6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,836,678:06:0**
915	**97**	**51**	**08:25:40.000**	**20ED5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,836,679:06:0**
916	**97**	**51**	**08:26:40.666**	**20ED5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,836,680:06:0**
917	**97**	**51**	**08:27:41.333**	**20ED6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,836,681:06:0**
918	**97**	**51**	**08:28:42.000**	**20ED6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,836,682:06:0**
919	**97**	**51**	**08:29:42.666**	**20ED5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,836,683:06:0**
920	**97**	**51**	**08:30:43.333**	**20ED5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,836,684:06:0**
921	**97**	**51**	**08:31:44.000**	**20ED4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,836,685:06:0**
922	97	51	08:32:39.333	165DS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,836,685:89:0
923	97	51	08:32:40.000	165DS4B	7SCAN	NORM,283.528,-26	Check S/P Position	2R0	4	0	3,836,685:90:0
924	**97**	**51**	**08:32:44.600**	**E6JNFEA02003-**		**-----START------**		**2R0**	**4**	**0**	**: :**
925	**97**	**51**	**08:33:36.666**	**127DS4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,836,686:84:0**
926	97	51	08:33:36.666	127DS	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,836,686:84:0
927	**97**	**51**	**08:33:37.333**	**127DS4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,836,686:85:0**
928	**97**	**51**	**08:33:45.267**	**E6NIMSP2LD02-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
929	97	51	08:33:45.333	127DS11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,836,687:06:0
930	97	51	08:34:29.333		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 3218.43 +/-	2R5	4	1	3,836,687:72:0
931	97	51	08:34:29.333	175DS422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,836,687:72:0
932	97	51	08:34:32.666	117DS	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,836,687:77:0
933	97	51	08:34:38.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3219.73 +/-	2R5	4	1	3,836,687:85:9

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	97	51	08:34:38.666	175DS176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,836,687:86:0	
935	97	51	08:34:42.000	117DS105A106A4A	**7STRP**	**-0.044329,0.0,0,**	**Slew =,0.11**	2R5	4	1	3,836,688:00:0	
936	**97**	**51**	**08:34:42.129**	**E6JNFEA02003-**	**NIMPBK**	**301DQ**	**JUPITER FEATURE TRACK 20 DEG PHA**	**2R5**	**4**	**1**	**: :**	
937	**97**	**51**	**08:38:10.795**	**E6JNFEA02003-**	**NIMPBK**	**301FF**	**JUPITER FEATURE TRACK 20 DEG PHA**	**2R5**	**4**	**1**	**: :**	
938	**97**	**51**	**08:38:14.129**	**E6JNFEA02003-**	**DESELC**	**300DQ**	**JUPITER FEATURE TRACK 20 DEG PHA**	**2R5**	**4**	**1**	**: :**	
939	97	51	08:41:26.000	117DS105A106A4B	**7STRP**	**0.047335,-0.0080**	**Slew =12.01**	2R5	4	1	3,836,694:60:0	
940	97	51	08:41:46.000	117DS105A106A4C	**7STRP**	**-0.044329,0.0,0,**	**Slew =,0.11**	2R5	4	1	3,836,694:90:0	
941	97	51	08:45:30.000	488AP6E	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2R5	4	1	3,836,698:62:0	
942	97	51	08:48:30.000	117DS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,836,701:59:0	
943	**97**	**51**	**08:48:30.129**	**E6JNFEA02003-**	**DESELC**	**300FF**	**JUPITER FEATURE TRACK 20 DEG PHA**	**2R5**	**4**	**1**	**: :**	
944	97	51	08:49:13.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3014.71 +/-	2R5	4	1	3,836,702:33:0	
945	97	51	08:49:13.333	175DS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,836,702:33:0	
946	97	51	08:49:13.333	175DS6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,836,702:33:0	
947	**97**	**51**	**08:49:55.934**	**E6JNFEA02003-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
948	**97**	**51**	**09:38:27.934**	**E6JNFEA02004-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
949	97	51	09:39:23.333	165DT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,836,751:89:0	
950	97	51	09:39:24.000	165DT4B	7SCAN	NORM,284.156998,	Check S/P Position	2R5	4	1	3,836,751:90:0	
951	97	51	09:41:13.333	175DT422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,836,753:72:0	
952	97	51	09:41:13.333		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 3014.65 +/-	2R5	4	1	3,836,753:72:0	
953	97	51	09:41:16.666	117DT	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,836,753:77:0	
954	97	51	09:41:22.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3015.95 +/-	2R5	4	1	3,836,753:85:9	
955	97	51	09:41:22.666	175DT176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,836,753:86:0	
956	97	51	09:41:26.000	117DT105A106A4A	**7STRP**	**-0.0109,0.0,0,0,**	**Slew =,0.11**	2R5	4	1	3,836,754:00:0	
957	97	51	09:43:06.000	117DT11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,836,755:59:0	
958	97	51	09:43:17.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2989.06 +/-	2R5	4	1	3,836,755:76:0	
959	97	51	09:43:17.333	175DT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,836,755:76:0	
960	97	51	09:43:17.333	175DT6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,836,755:76:0	
961	**97**	**51**	**09:47:33.934**	**E6JNFEA02004-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
962	**97**	**51**	**09:48:26.000**	**127DU4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,836,760:84:0**	
963	97	51	09:48:26.000	127DU	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,836,760:84:0	
964	**97**	**51**	**09:48:26.666**	**127DU4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,836,760:85:0**	
965	97	51	09:48:29.333	165DU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,836,760:89:0	
966	97	51	09:48:30.000	165DU4B	7SCAN	NORM,283.271,-26	Check S/P Position	2R3	4	0	3,836,760:90:0	
967	**97**	**51**	**09:48:34.600**	**E6JNFEASUB01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
968	97	51	09:48:34.666	127DU11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,836,761:06:0	
969	97	51	09:49:18.666	175DU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,836,761:72:0	
970	97	51	09:49:18.666		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 2989.00 +/-	2R3	4	0	3,836,761:72:0	
971	97	51	09:49:22.000	117DU	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,836,761:77:0	
972	97	51	09:49:27.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2990.29 +/-	2R3	4	0	3,836,761:85:9	
973	97	51	09:49:28.000	175DU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,836,761:86:0	
974	97	51	09:49:31.333	117DU105A106A4A	**7STRP**	**-0.0108,0.0,0,0,**	**Slew =,0.03**	2R3	4	0	3,836,762:00:0	
975	**97**	**51**	**09:49:31.459**	**E6JNFEASUB01-**	**NIMPBK**	**301DS**	**JUPITER CAMPAIGN FEATURE SUB-SPE**	**2R3**	**4**	**0**	**: :**	
976	97	51	09:55:35.333	117DU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,836,768:00:0	
977	**97**	**51**	**09:55:35.459**	**E6JNFEASUB01-**	**DESELC**	**300DS**	**JUPITER CAMPAIGN FEATURE SUB-SPE**	**2R3**	**4**	**0**	**: :**	
978	**97**	**51**	**09:55:39.267**	**E6JNFEASUB01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
979	97	51	09:55:46.666	175DU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,836,768:17:0	
980	97	51	09:55:46.666	175DU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,836,768:17:0	
981	97	51	09:55:46.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2901.53 +/-	2R3	4	0	3,836,768:17:0	
982	97	51	10:24:53.333	165GU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,836,796:89:0	
983	97	51	10:24:54.000	165GU4B	7SCAN	NORM,287.558998,	Check S/P Position	2R3	4	0	3,836,796:90:0	
984	97	51	10:24:54.666	411JE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,836,797:00:0	
985	97	51	10:24:54.666		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 2901.47 +/-	2R3	4	0	3,836,797:00:0	
986	97	51	10:25:03.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2902.76 +/-	2R3	4	0	3,836,797:13:9	
987	97	51	10:25:04.666	411JE6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	3,836,797:15:0	
988	97	51	10:27:06.000	411JE6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,836,799:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	97	51	10:27:08.666	175TF176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,836,799:19:0	
990	97	51	10:27:09.333	175TF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,836,799:20:0	
991	97	51	10:27:16.000	175TF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,836,799:30:0	
992	97	51	10:27:16.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2871.81 +/-	2R3	4	0	3,836,799:30:0	
993	97	51	10:27:47.333	117GU	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,836,799:77:0	
994	97	51	10:27:56.666	176GU6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,836,800:00:0	
995	97	51	10:27:56.666	117GU105A106A4A	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,800:00:0	
996	97	51	10:28:30.000	117GU105A106A4B	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,800:50:0	
997	97	51	10:28:42.000	117GU105A106A4C	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,800:68:0	
998	97	51	10:29:15.333	117GU105A106A4D	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,801:27:0	
999	97	51	10:29:27.333	117GU105A106A4E	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,801:45:0	
1000	97	51	10:30:00.666	117GU105A106A4F	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,802:04:0	
1001	97	51	10:30:12.666	117GU105A106A4G	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,802:22:0	
1002	97	51	10:30:46.000	117GU105A106A4H	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,802:72:0	
1003	97	51	10:30:58.000	117GU105A106A4I	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,802:90:0	
1004	97	51	10:31:31.333	117GU105A106A4J	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,803:49:0	
1005	97	51	10:31:43.333	117GU105A106A4K	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,803:67:0	
1006	97	51	10:32:16.666	117GU105A106A4L	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,804:26:0	
1007	97	51	10:32:28.666	117GU105A106A4M	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,804:44:0	
1008	97	51	10:33:02.000	117GU105A106A4N	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,805:03:0	
1009	97	51	10:33:14.000	117GU105A106A4O	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,805:21:0	
1010	97	51	10:33:47.333	117GU105A106A4P	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,805:71:0	
1011	97	51	10:33:59.333	117GU105A106A4Q	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,805:89:0	
1012	97	51	10:34:32.666	117GU105A106A4R	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,806:48:0	
1013	97	51	10:34:44.666	117GU105A106A4S	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,806:66:0	
1014	97	51	10:35:18.000	117GU105A106A4T	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,807:25:0	
1015	97	51	10:35:30.000	117GU105A106A4U	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,807:43:0	
1016	97	51	10:36:03.333	117GU105A106A4V	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,808:02:0	
1017	97	51	10:36:15.333	117GU105A106A4W	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,808:20:0	
1018	97	51	10:36:48.666	117GU105A106A4X	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,808:70:0	
1019	97	51	10:37:00.666	117GU105A106A4Y	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,808:88:0	
1020	97	51	10:37:34.000	117GU105A106A4Z	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,809:47:0	
1021	97	51	10:37:46.000	117GU105A106A4AA	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,809:65:0	
1022	97	51	10:38:19.333	117GU105A106A4AB	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,810:24:0	
1023	97	51	10:38:31.333	117GU105A106A4AC	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,810:42:0	
1024	97	51	10:39:04.666	117GU105A106A4AD	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,811:01:0	
1025	97	51	10:39:16.666	117GU105A106A4AE	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,811:19:0	
1026	97	51	10:39:50.000	117GU105A106A4AF	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,811:69:0	
1027	97	51	10:40:02.000	117GU105A106A4AG	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,811:87:0	
1028	97	51	10:40:32.000		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 2871.75 +/-	2R3	4	0	3,836,812:41:0	
1029	97	51	10:40:35.333	117GU105A106A4AH	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,812:46:0	
1030	97	51	10:40:47.333	117GU105A106A4AI	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,812:64:0	
1031	97	51	10:40:56.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2869.43 +/-	2R3	4	0	3,836,812:78:0	
1032	97	51	10:41:16.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2864.74 +/-	2R3	4	0	3,836,813:17:0	
1033	97	51	10:41:20.666	117GU105A106A4AJ	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,813:23:0	
1034	97	51	10:41:32.666	117GU105A106A4AK	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,813:41:0	
1035	97	51	10:42:06.000	117GU105A106A4AL	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,814:00:0	
1036	97	51	10:42:18.000	117GU105A106A4AM	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,814:18:0	
1037	97	51	10:42:51.333	117GU105A106A4AN	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,814:68:0	
1038	97	51	10:43:03.333	117GU105A106A4AO	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,814:86:0	
1039	97	51	10:43:36.666	117GU105A106A4AP	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,815:45:0	
1040	97	51	10:43:48.666	117GU105A106A4AQ	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,815:63:0	
1041	97	51	10:44:22.000	117GU105A106A4AR	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,816:22:0	
1042	97	51	10:44:34.000	117GU105A106A4AS	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,816:40:0	
1043	97	51	10:45:07.333	117GU105A106A4AT	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,816:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	97	51	10:45:19.333	117GU105A106A4AU	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,817	17:0
1045	97	51	10:45:52.666	117GU105A106A4AV	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,817	67:0
1046	97	51	10:46:04.666	117GU105A106A4AW	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,817	85:0
1047	97	51	10:46:38.000	117GU105A106A4AX	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,818	44:0
1048	97	51	10:46:50.000	117GU105A106A4AY	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,818	62:0
1049	97	51	10:47:23.333	117GU105A106A4AZ	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,819	21:0
1050	97	51	10:47:35.333	117GU105A106A4BA	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,819	39:0
1051	97	51	10:48:08.666	117GU105A106A4BB	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,819	89:0
1052	97	51	10:48:20.666	117GU105A106A4BC	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,820	16:0
1053	97	51	10:48:54.000	117GU105A106A4BD	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,820	66:0
1054	97	51	10:49:06.000	117GU105A106A4BE	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,820	84:0
1055	97	51	10:49:39.333	117GU105A106A4BF	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,821	43:0
1056	97	51	10:49:51.333	117GU105A106A4BG	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,821	61:0
1057	97	51	10:50:24.666	117GU105A106A4BH	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,822	20:0
1058	97	51	10:50:36.666	117GU105A106A4BI	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,822	38:0
1059	97	51	10:51:10.000	117GU105A106A4BJ	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,822	88:0
1060	97	51	10:51:22.000	117GU105A106A4BK	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,823	15:0
1061	97	51	10:51:55.333	117GU105A106A4BL	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,823	65:0
1062	97	51	10:52:07.333	117GU105A106A4BM	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,823	83:0
1063	97	51	10:52:40.666	117GU105A106A4BN	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,824	42:0
1064	97	51	10:52:52.666	117GU105A106A4BO	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,824	60:0
1065	97	51	10:53:26.000	117GU105A106A4BP	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,825	19:0
1066	97	51	10:53:34.000		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 2864.68 +/-	2R3	4	0	3,836,825	31:0
1067	97	51	10:53:38.000	117GU105A106A4BQ	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,825	37:0
1068	97	51	10:53:58.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2862.37 +/-	2R3	4	0	3,836,825	68:0
1069	97	51	10:54:11.333	117GU105A106A4BR	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,825	87:0
1070	97	51	10:54:18.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2857.68 +/-	2R3	4	0	3,836,826	07:0
1071	97	51	10:54:23.333	117GU105A106A4BS	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,826	14:0
1072	97	51	10:54:56.666	117GU105A106A4BT	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,826	64:0
1073	97	51	10:55:08.666	117GU105A106A4BU	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,826	82:0
1074	97	51	10:55:42.000	117GU105A106A4BV	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,827	41:0
1075	97	51	10:55:54.000	117GU105A106A4BW	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,827	59:0
1076	97	51	10:56:27.333	117GU105A106A4BX	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,828	18:0
1077	97	51	10:56:39.333	117GU105A106A4BY	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,828	36:0
1078	97	51	10:57:12.666	117GU105A106A4BZ	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,828	86:0
1079	97	51	10:57:24.666	117GU105A106A4CA	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,829	13:0
1080	97	51	10:57:58.000	117GU105A106A4CB	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,829	63:0
1081	97	51	10:58:10.000	117GU105A106A4CC	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,829	81:0
1082	97	51	10:58:43.333	117GU105A106A4CD	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,830	40:0
1083	97	51	10:58:55.333	117GU105A106A4CE	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,830	58:0
1084	97	51	10:59:28.666	117GU105A106A4CF	7STRP	0.0018,0.013806,	Slew =12.01	2R3	4	0	3,836,831	17:0
1085	97	51	10:59:40.666	117GU105A106A4CG	7STRP	0.0,-0.014006,0,	Slew =,1.51	2R3	4	0	3,836,831	35:0
1086	97	51	11:00:14.000	117GU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,836,831	85:0
1087	97	51	11:06:36.000		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 2857.62 +/-	2R3	4	0	3,836,838	21:0
1088	97	51	11:07:00.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2855.31 +/-	2R3	4	0	3,836,838	58:0
1089	97	51	11:07:20.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2850.62 +/-	2R3	4	0	3,836,838	88:0
1090	97	51	11:19:38.666		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 2850.56 +/-	2R3	4	0	3,836,851	12:0
1091	97	51	11:20:02.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2848.40 +/-	2R3	4	0	3,836,851	48:0
1092	97	51	11:20:22.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2843.71 +/-	2R3	4	0	3,836,851	78:0
1093	97	51	11:24:38.000	165GH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,836,856	06:0
1094	97	51	11:24:38.666	165GH4B	7SCAN	NORM,270.946999,	Check S/P Position	2R3	4	0	3,836,856	07:0
1095	97	51	11:25:04.000	176GU6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,836,856	45:0
1096	97	51	11:25:06.000		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 2843.65 +/-	2R3	4	0	3,836,856	48:0
1097	97	51	11:25:16.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2844.78 +/-	2R3	4	0	3,836,856	63:0
1098	97	51	11:25:27.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2842.12 +/-	2R3	4	0	3,836,856	80:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	97	51	11:26:26.000	117GH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,836,857:77:0	
1100	97	51	11:26:35.333	117GH105A106A4A	7STRP	-0.012801,0.0,0,	Slew =,0.06	2R3	4	0	3,836,858:00:0	
1101	97	51	11:26:35.333	176GH6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,836,858:00:0	
1102	97	51	11:30:10.666	117GH105A106A4B	7STRP	0.012101,-0.0013	Slew =12.01	2R3	4	0	3,836,861:50:0	
1103	97	51	11:30:16.666	117GH105A106A4C	7STRP	-0.012801,0.0,0,	Slew =,0.06	2R3	4	0	3,836,861:59:0	
1104	97	51	11:33:52.000	117GH105A106A4D	7STRP	0.012101,-0.0013	Slew =12.01	2R3	4	0	3,836,865:18:0	
1105	97	51	11:33:58.000	117GH105A106A4E	7STRP	-0.012801,0.0,0,	Slew =,0.06	2R3	4	0	3,836,865:27:0	
1106	**97**	**51**	**11:36:46.000**	**E6NIMSP2LD10-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1107	97	51	11:37:33.333	117GH105A106A4F	7STRP	0.012101,-0.0013	Slew =12.01	2R3	4	0	3,836,868:77:0	
1108	97	51	11:37:39.333	117GH105A106A4G	7STRP	-0.012801,0.0,0,	Slew =,0.06	2R3	4	0	3,836,868:86:0	
1109	97	51	11:39:10.666		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 2842.06 +/-	2R3	4	0	3,836,870:41:0	
1110	97	51	11:39:35.333		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2839.74 +/-	2R3	4	0	3,836,870:78:0	
1111	97	51	11:39:55.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2835.06 +/-	2R3	4	0	3,836,871:17:0	
1112	**97**	**51**	**11:40:48.666**	**20DJ6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,836,872:06:0**	
1113	97	51	11:41:14.666	117GH105A106A4H	7STRP	0.012101,-0.0013	Slew =12.01	2R3	4	0	3,836,872:45:0	
1114	97	51	11:41:20.666	117GH105A106A4I	7STRP	-0.012801,0.0,0,	Slew =,0.06	2R3	4	0	3,836,872:54:0	
1115	**97**	**51**	**11:41:49.333**	**20DJ5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,836,873:06:0**	
1116	**97**	**51**	**11:42:50.000**	**20DJ5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,836,874:06:0**	
1117	**97**	**51**	**11:43:50.666**	**20DJ6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,836,875:06:0**	
1118	**97**	**51**	**11:44:51.333**	**20DJ6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,836,876:06:0**	
1119	97	51	11:44:56.000	117GH105A106A4J	7STRP	0.012101,-0.0013	Slew =12.01	2R3	4	0	3,836,876:13:0	
1120	97	51	11:45:02.000	117GH105A106A4K	7STRP	-0.012801,0.0,0,	Slew =,0.06	2R3	4	0	3,836,876:22:0	
1121	**97**	**51**	**11:45:52.000**	**20DJ5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,836,877:06:0**	
1122	**97**	**51**	**11:46:52.666**	**20DJ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,836,878:06:0**	
1123	**97**	**51**	**11:46:52.667**	**E6NIMSP2LD10-**		**-----STOP-------**		**260**	**4**	**0**	**: :**	
1124	**97**	**51**	**11:47:53.333**	**E6ENEURORT01-**		**-----START------**		**260**	**4**	**0**	**: :**	
1125	**97**	**51**	**11:47:53.333**	**20DJ4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,836,879:06:0**	
1126	97	51	11:48:37.333	117GH105A106A4L	7STRP	0.012101,-0.0013	Slew =12.01	2R0	4	0	3,836,879:72:0	
1127	97	51	11:48:43.333	117GH105A106A4M	7STRP	-0.012801,0.0,0,	Slew =,0.06	2R0	4	0	3,836,879:81:0	
1128	**97**	**51**	**11:48:54.000**	**20DJ4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,836,880:06:0**	
1129	97	51	11:52:12.666		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 2835.00 +/-	2R3	4	0	3,836,883:31:0	
1130	97	51	11:52:18.666	117GH105A106A4N	7STRP	0.012101,-0.0013	Slew =12.01	2R3	4	0	3,836,883:40:0	
1131	97	51	11:52:24.666	117GH105A106A4O	7STRP	-0.012801,0.0,0,	Slew =,0.06	2R3	4	0	3,836,883:49:0	
1132	97	51	11:52:37.333		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2832.68 +/-	2R3	4	0	3,836,883:68:0	
1133	97	51	11:52:57.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2827.99 +/-	2R3	4	0	3,836,884:07:0	
1134	**97**	**51**	**11:53:57.333**	**E6ENEURORT01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1135	97	51	11:56:00.000	117GH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,836,887:08:0	
1136	97	51	11:56:54.000	165FK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,836,887:89:0	
1137	97	51	11:56:54.666	165FK4B	7SCAN	NORM,265.963997,	Check S/P Position	2R3	4	0	3,836,887:90:0	
1138	97	51	11:57:35.333	176GH6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,836,888:60:0	
1139	97	51	11:57:37.333		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 2827.93 +/-	2R3	4	0	3,836,888:63:0	
1140	97	51	11:57:47.333		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2829.06 +/-	2R3	4	0	3,836,888:78:0	
1141	97	51	11:57:51.333	125DE11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,836,888:84:0	
1142	**97**	**51**	**11:57:51.333**	**125DE4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**3,836,888:84:0**	
1143	97	51	11:57:51.333	125DE	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,836,888:84:0	
1144	97	51	11:57:58.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2826.40 +/-	2R3	4	0	3,836,889:04:0	
1145	97	51	11:58:52.000	127DE	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,836,889:84:0	
1146	**97**	**51**	**11:58:52.000**	**127DE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,836,889:84:0**	
1147	**97**	**51**	**11:58:52.666**	**127DE4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,836,889:85:0**	
1148	97	51	11:59:00.666	127DE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,836,890:06:0	
1149	**97**	**51**	**11:59:16.666**	**432EY6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,836,890:30:0**	
1150	97	51	11:59:48.000	117FK	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,836,890:77:0	
1151	97	51	11:59:57.333	117FK105A106A4A	7STRP	-0.0036,0.0,0,0,	Slew =,0.03	2R3	4	0	3,836,891:00:0	
1152	**97**	**51**	**12:01:16.666**	**432EZ6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,836,892:28:0**	
1153	97	51	12:01:54.000	125DI	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,836,892:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	**97**	**51**	**12:01:54.000**	**125DI4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**3,836,892:84:0**	
1155	97	51	12:01:54.000	125DG11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,836,892:84:0	
1156	**97**	**51**	**12:01:54.000**	**125DG4A**	**37IST**	**0,0,0,OFF,0,1,2**	**Gain State 3**	**3R3**	**4**	**0**	**3,836,892:84:0**	
1157	97	51	12:01:54.000	125DG	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,836,892:84:0	
1158	97	51	12:01:54.000	125DI11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,836,892:84:0	
1159	97	51	12:01:58.666	117FK11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,836,893:00:0	
1160	**97**	**51**	**12:02:02.667**	**E6ENTERINC01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1161	97	51	12:02:04.000	165DV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,836,893:08:0	
1162	97	51	12:02:04.666	165DV4B	7SCAN	NORM,266.542,-23	Check S/P Position	3R3	4	0	3,836,893:09:0	
1163	97	51	12:02:53.333	175DV422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R3	4	0	3,836,893:82:0	
1164	97	51	12:02:53.333		DMS:	: *US-RUNUP	R28, TRACK 2, REV, TIC 2826.34 +/-	3R3	4	0	3,836,893:82:0	
1165	97	51	12:02:54.666	127DV	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,836,893:84:0	
1166	**97**	**51**	**12:02:54.666**	**127DV4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**3R1**	**4**	**0**	**3,836,893:84:0**	
1167	**97**	**51**	**12:02:55.333**	**127DV4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**3R1**	**4**	**0**	**3,836,893:85:0**	
1168	97	51	12:02:56.666	117DV	**CSMOS**	GS	***** GROUP START CSMOS	3R1	4	0	3,836,893:87:0	
1169	97	51	12:03:03.333	127DV11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R1	4	0	3,836,894:06:0	
1170	97	51	12:03:05.200		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *2826.25 +/-	3R1	4	0	3,836,894:08:8	
1171	97	51	12:03:05.333	175DV176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R1	4	0	3,836,894:09:0	
1172	97	51	12:03:06.000	117DV105A106A4A	**7STRP**	**-0.032261,0.0,0,**	**Slew =,0.06**	3R1	4	0	3,836,894:10:0	
1173	97	51	12:12:00.666	125DH11A	NIMSINIT	GE	##### GROUP END INIT	3R1	4	0	3,836,902:84:0	
1174	97	51	12:12:00.666	125DH	NIMSINIT	GS	##### GROUP START INIT	3R1	4	0	3,836,902:84:0	
1175	**97**	**51**	**12:12:00.666**	**125DH4A**	**37IST**	**0,0,0,OFF,0,1,0**	**Gain State 2**	**2R1**	**4**	**0**	**3,836,902:84:0**	
1176	97	51	12:12:04.666	117DV105A106A4B	**7STRP**	**0.030409,-0.0090**	**Slew =12.01**	2R1	4	0	3,836,902:90:0	
1177	97	51	12:12:11.333	117DV105A106A4C	**7STRP**	**-0.032261,0.0,0,**	**Slew =,0.06**	2R1	4	0	3,836,903:09:0	
1178	**97**	**51**	**12:13:21.454**	**E6ENTERINC01-**	**NIMPBK**	**301FL**	**EUROPA TERRA INCOGNITO**	**2R1**	**4**	**0**	**: :**	
1179	**97**	**51**	**12:19:35.454**	**E6ENTERINC01-**	**DESELC**	**300FL**	**EUROPA TERRA INCOGNITO**	**2R1**	**4**	**0**	**: :**	
1180	**97**	**51**	**12:21:06.666**	**33A4A**	**37IST**	**0,0,0,OFF,0,1,2**	**Gain State 3**	**3R1**	**4**	**0**	**3,836,911:84:0**	
1181	97	51	12:21:10.000	117DV105A106A4D	**7STRP**	**0.030409,-0.0090**	**Slew =12.01**	3R1	4	0	3,836,911:89:0	
1182	97	51	12:21:16.666	117DV105A106A4E	**7STRP**	**-0.032261,0.0,0,**	**Slew =,0.06**	3R1	4	0	3,836,912:08:0	
1183	**97**	**51**	**12:21:16.787**	**E6ENTERINC01-**	**NIMPBK**	**301DT**	**EUROPA TERRA INCOGNITO**	**3R1**	**4**	**0**	**: :**	
1184	**97**	**51**	**12:23:18.121**	**E6ENTERINC01-**	**NIMPBK**	**301DV**	**EUROPA TERRA INCOGNITO**	**3R1**	**4**	**0**	**: :**	
1185	**97**	**51**	**12:23:22.121**	**E6ENTERINC01-**	**DESELC**	**300DT**	**EUROPA TERRA INCOGNITO**	**3R1**	**4**	**0**	**: :**	
1186	**97**	**51**	**12:25:19.454**	**E6ENTERINC01-**	**NIMPBK**	**301DI**	**EUROPA TERRA INCOGNITO**	**3R1**	**4**	**0**	**: :**	
1187	**97**	**51**	**12:25:23.454**	**E6ENTERINC01-**	**DESELC**	**300DV**	**EUROPA TERRA INCOGNITO**	**3R1**	**4**	**0**	**: :**	
1188	**97**	**51**	**12:27:20.787**	**E6ENTERINC01-**	**NIMPBK**	**301DW**	**EUROPA TERRA INCOGNITO**	**3R1**	**4**	**0**	**: :**	
1189	**97**	**51**	**12:27:24.787**	**E6ENTERINC01-**	**DESELC**	**300DI**	**EUROPA TERRA INCOGNITO**	**3R1**	**4**	**0**	**: :**	
1190	**97**	**51**	**12:29:22.786**	**E6ENTERINC01-**	**DESELC**	**300DW**	**EUROPA TERRA INCOGNITO**	**3R1**	**4**	**0**	**: :**	
1191	97	51	12:30:12.666	125DF	NIMSINIT	GS	##### GROUP START INIT	3R1	4	0	3,836,920:84:0	
1192	**97**	**51**	**12:30:12.666**	**125DF4A**	**37IST**	**0,0,0,OFF,0,1,2**	**Gain State 3**	**3R1**	**4**	**0**	**3,836,920:84:0**	
1193	97	51	12:30:12.666	125DF11A	NIMSINIT	GE	##### GROUP END INIT	3R1	4	0	3,836,920:84:0	
1194	97	51	12:30:15.333	117DV105A106A4F	**7STRP**	**0.030409,-0.0090**	**Slew =12.01**	3R1	4	0	3,836,920:88:0	
1195	97	51	12:30:22.000	117DV105A106A4G	**7STRP**	**-0.032261,0.0,0,**	**Slew =,0.06**	3R1	4	0	3,836,921:07:0	
1196	97	51	12:35:52.666	175DV422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R1	4	0	3,836,926:48:0	
1197	97	51	12:35:52.666		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *1097.04 +/-	3R1	4	0	3,836,926:48:0	
1198	97	51	12:39:18.666	125FZ11A	NIMSINIT	GE	##### GROUP END INIT	3R1	4	0	3,836,929:84:0	
1199	**97**	**51**	**12:39:18.666**	**125FZ4A**	**37IST**	**0,0,0,OFF,0,1,0**	**Gain State 2**	**2R1**	**4**	**0**	**3,836,929:84:0**	
1200	97	51	12:39:18.666	125FZ	NIMSINIT	GS	##### GROUP START INIT	2R1	4	0	3,836,929:84:0	
1201	97	51	12:39:20.666	117DV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R1	4	0	3,836,929:87:0	
1202	97	51	12:40:19.333	127DX	NIMSTAB	GS	%%%%% GROUP START TAB	2R1	4	0	3,836,930:84:0	
1203	**97**	**51**	**12:40:19.333**	**127DX4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,836,930:84:0**	
1204	**97**	**51**	**12:40:20.000**	**127DX4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,836,930:85:0**	
1205	97	51	12:40:22.666	165DX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,836,930:89:0	
1206	97	51	12:40:23.333	165DX4B	7SCAN	NORM,270.376999,	Check S/P Position	2R3	4	0	3,836,930:90:0	
1207	97	51	12:40:28.000	127DX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,836,931:06:0	
1208	**97**	**51**	**12:40:28.000**	**E6ENTERINC01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	97	51	12:41:09.333		DMS:	: *US-RUNUP	R28, TRACK 2, REV, TIC 1096.74 +/-	2R3	4	0	3,836,931:68:0	
1210	97	51	12:41:09.333	175DX422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,836,931:68:0	
1211	97	51	12:41:15.333	117DX	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,836,931:77:0	
1212	97	51	12:41:21.200		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *1096.65 +/-	2R3	4	0	3,836,931:85:8	
1213	97	51	12:41:21.333	175DX176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,836,931:86:0	
1214	97	51	12:41:24.666	117DX105A106A4A	**7STRP**	**-0.00855,0.0,0,0**	**Slew =,0.03**	2R3	4	0	3,836,932:00:0	
1215	**97**	**51**	**12:41:24.786**	**E6INHRSPEC01-**	**NIMPBK**	**301DU**	**HIGH SPATIAL AND SPECTRAL OBS OF**	**2R3**	**4**	**0**	**: :**	
1216	**97**	**51**	**12:41:28.666**	**E6INHRSPEC01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1217	**97**	**51**	**12:43:26.120**	**E6INHRSPEC01-**	**NIMPBK**	**301EC**	**HIGH SPATIAL AND SPECTRAL OBS OF**	**2R3**	**4**	**0**	**: :**	
1218	**97**	**51**	**12:43:34.120**	**E6INHRSPEC01-**	**DESELC**	**300DU**	**HIGH SPATIAL AND SPECTRAL OBS OF**	**2R3**	**4**	**0**	**: :**	
1219	**97**	**51**	**12:45:31.333**	**E6INHRSPEC01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1220	97	51	12:46:11.333	117DX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,836,936:66:0	
1221	**97**	**51**	**12:46:11.453**	**E6INHRSPEC01-**	**DESELC**	**300EC**	**HIGH SPATIAL AND SPECTRAL OBS OF**	**2R3**	**4**	**0**	**: :**	
1222	97	51	12:46:12.666	175DX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,836,936:68:0	
1223	97	51	12:46:12.666		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC * 840.48 +/-	2R3	4	0	3,836,936:68:0	
1224	97	51	12:46:26.666	165JU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,836,936:89:0	
1225	97	51	12:46:27.333	165JU4B	7SCAN	NORM,270.185997,	Check S/P Position	2R3	4	0	3,836,936:90:0	
1226	97	51	12:50:19.333	175IK422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,836,940:74:0	
1227	97	51	12:50:19.333		DMS:	: *US-RUNUP	R806, TRACK 2, REV, TIC 840.18 +/-	2R3	4	0	3,836,940:74:0	
1228	97	51	12:50:32.000	175IK176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,836,941:02:0	
1229	97	51	12:50:32.466		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC * 775.59 +/- 1	2R3	4	0	3,836,941:02:7	
1230	97	51	12:50:39.333	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,836,941:13:0	
1231	97	51	12:50:39.333		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC * 606.61 +/- 1	2R3	4	0	3,836,941:13:0	
1232	97	51	12:51:30.000	165IM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,836,941:89:0	
1233	97	51	12:51:30.666	165IM4B	7SCAN	NORM,264.334999,	Check S/P Position	2R3	4	0	3,836,941:90:0	
1234	97	51	12:54:14.666	488AQ6A	6TMSED	NORM,CL1	Sci, Eng, and D/L Chan	2R3	4	0	3,836,944:63:0	
1235	97	51	12:54:37.333	117IM	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,836,945:06:0	
1236	97	51	12:55:21.333	175IL422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,836,945:72:0	
1237	97	51	12:55:21.333		DMS:	: *US-RUNUP	R806, TRACK 2, REV, TIC 595.11 +/- 1	2R3	4	0	3,836,945:72:0	
1238	97	51	12:55:32.000	117IM105A106A4A	7STRP	0.014501,0.0,0,0	Slew =,3.16	2R3	4	0	3,836,945:88:0	
1239	97	51	12:55:34.000	175IL176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	3,836,946:00:0	
1240	97	51	12:55:34.466		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC * 530.52 +/- 1	2R3	4	0	3,836,946:00:7	
1241	97	51	12:55:38.666		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC * 427.16 +/- 1	2R3	4	0	3,836,946:07:0	
1242	97	51	12:55:38.666	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,836,946:07:0	
1243	97	51	12:55:39.333	117IM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,836,946:08:0	
1244	97	51	14:04:38.666	488AQ6B	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2R3	4	0	3,837,014:29:0	
1245	97	51	14:08:17.333	127DY	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,837,017:84:0	
1246	**97**	**51**	**14:08:17.333**	**127DY4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,837,017:84:0**	
1247	**97**	**51**	**14:08:18.000**	**127DY4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,837,017:85:0**	
1248	97	51	14:08:20.666	165DY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,017:89:0	
1249	97	51	14:08:21.333	165DY4B	7SCAN	NORM,271.442997,	Check S/P Position	2R3	4	0	3,837,017:90:0	
1250	97	51	14:08:26.000	127DY11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,837,018:06:0	
1251	97	51	14:09:10.000		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 415.66 +/- 1	2R3	4	0	3,837,018:72:0	
1252	97	51	14:09:10.000	175DY422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,837,018:72:0	
1253	97	51	14:09:13.333	117DY	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,837,018:77:0	
1254	97	51	14:09:19.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 416.96 +/- 1	2R3	4	0	3,837,018:85:9	
1255	97	51	14:09:19.333	175DY176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,837,018:86:0	
1256	97	51	14:09:22.666	117DY105A106A4A	**7STRP**	**-0.004,0.0,0,0,0**	**Slew =,0.02**	2R3	4	0	3,837,019:00:0	
1257	97	51	14:12:45.333	117DY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,837,022:31:0	
1258	97	51	14:14:18.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 346.94 +/- 1	2R3	4	0	3,837,023:79:0	
1259	97	51	14:14:18.000	175DY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,837,023:79:0	
1260	97	51	14:14:18.000	175DY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,837,023:79:0	
1261	97	51	14:15:00.000	488AQ6C	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	2R3	4	0	3,837,024:51:0	
1262	97	51	14:16:26.000	165GI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,025:89:0	
1263	97	51	14:16:26.666	165GI4B	7SCAN	NORM,265.704998,	Check S/P Position	2R3	4	0	3,837,025:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	97	51	14:17:18.666	117GI	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,837,026	77:0
1265	97	51	14:17:28.000	176GI6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,837,027	00:0
1266	97	51	14:17:28.000	117GI105A106A4A	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,027	00:0
1267	97	51	14:17:55.333	117GI105A106A4B	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,027	41:0
1268	97	51	14:18:02.000	117GI105A106A4C	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,027	51:0
1269	97	51	14:18:29.333	117GI105A106A4D	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,028	01:0
1270	97	51	14:18:36.000	117GI105A106A4E	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,028	11:0
1271	97	51	14:19:03.333	117GI105A106A4F	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,028	52:0
1272	97	51	14:19:10.000	117GI105A106A4G	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,028	62:0
1273	97	51	14:19:37.333	117GI105A106A4H	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,029	12:0
1274	97	51	14:19:44.000	117GI105A106A4I	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,029	22:0
1275	97	51	14:20:11.333	117GI105A106A4J	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,029	63:0
1276	97	51	14:20:18.000	117GI105A106A4K	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,029	73:0
1277	97	51	14:20:45.333	117GI105A106A4L	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,030	23:0
1278	97	51	14:20:52.000	117GI105A106A4M	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,030	33:0
1279	97	51	14:21:19.333	117GI105A106A4N	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,030	74:0
1280	97	51	14:21:26.000	117GI105A106A4O	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,030	84:0
1281	97	51	14:21:53.333	117GI105A106A4P	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,031	34:0
1282	97	51	14:22:00.000	117GI105A106A4Q	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,031	44:0
1283	97	51	14:22:27.333	117GI105A106A4R	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,031	85:0
1284	97	51	14:22:34.000	117GI105A106A4S	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,032	04:0
1285	97	51	14:23:01.333	117GI105A106A4T	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,032	45:0
1286	97	51	14:23:08.000	117GI105A106A4U	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,032	55:0
1287	97	51	14:23:35.333	117GI105A106A4V	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,033	05:0
1288	97	51	14:23:42.000	117GI105A106A4W	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,033	15:0
1289	97	51	14:24:09.333	117GI105A106A4X	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,033	56:0
1290	97	51	14:24:16.000	117GI105A106A4Y	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,033	66:0
1291	97	51	14:24:43.333	117GI105A106A4Z	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,034	16:0
1292	97	51	14:24:50.000	117GI105A106A4AA	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,034	26:0
1293	97	51	14:25:17.333	117GI105A106A4AB	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,034	67:0
1294	97	51	14:25:24.000	117GI105A106A4AC	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,034	77:0
1295	**97**	**51**	**14:25:37.333**	**E6INCHEMIS03-**		**-----START------**		**2R3**	**4**	**0**	**:**	**:**
1296	97	51	14:25:51.333	117GI105A106A4AD	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,035	27:0
1297	97	51	14:25:58.000	117GI105A106A4AE	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,035	37:0
1298	97	51	14:26:25.333	117GI105A106A4AF	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,035	78:0
1299	97	51	14:26:32.000	117GI105A106A4AG	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,035	88:0
1300	97	51	14:26:59.333	117GI105A106A4AH	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,036	38:0
1301	97	51	14:27:06.000	117GI105A106A4AI	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,036	48:0
1302	97	51	14:27:33.333	117GI105A106A4AJ	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,036	89:0
1303	97	51	14:27:40.000	117GI105A106A4AK	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,037	08:0
1304	97	51	14:28:07.333	117GI105A106A4AL	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,037	49:0
1305	97	51	14:28:14.000	117GI105A106A4AM	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,037	59:0
1306	97	51	14:28:41.333	117GI105A106A4AN	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,038	09:0
1307	97	51	14:28:48.000	117GI105A106A4AO	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,038	19:0
1308	97	51	14:29:15.333	117GI105A106A4AP	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,038	60:0
1309	97	51	14:29:22.000	117GI105A106A4AQ	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,038	70:0
1310	97	51	14:29:49.333	117GI105A106A4AR	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,039	20:0
1311	97	51	14:29:56.000	117GI105A106A4AS	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,039	30:0
1312	97	51	14:30:03.333		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 346.88 +/- 1	2R3	4	0	3,837,039	41:0
1313	97	51	14:30:23.333	117GI105A106A4AT	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,039	71:0
1314	97	51	14:30:28.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 344.57 +/- 1	2R3	4	0	3,837,039	78:0
1315	97	51	14:30:30.000	117GI105A106A4AU	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,039	81:0
1316	97	51	14:30:48.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 339.88 +/- 1	2R3	4	0	3,837,040	17:0
1317	97	51	14:30:57.333	117GI105A106A4AV	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,040	31:0
1318	97	51	14:31:04.000	117GI105A106A4AW	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,040	41:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	97	51	14:31:31.333	117GI105A106A4AX	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,040	82:0
1320	97	51	14:31:38.000	117GI105A106A4AY	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,041	01:0
1321	**97**	**51**	**14:31:41.333**	**E6INCHEMIS03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1322	97	51	14:32:05.333	117GI105A106A4AZ	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,041	42:0
1323	97	51	14:32:12.000	117GI105A106A4BA	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,041	52:0
1324	97	51	14:32:39.333	117GI105A106A4BB	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,042	02:0
1325	97	51	14:32:46.000	117GI105A106A4BC	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,042	12:0
1326	97	51	14:33:13.333	117GI105A106A4BD	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,042	53:0
1327	97	51	14:33:20.000	117GI105A106A4BE	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,042	63:0
1328	97	51	14:33:47.333	117GI105A106A4BF	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,043	13:0
1329	97	51	14:33:54.000	117GI105A106A4BG	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,043	23:0
1330	97	51	14:34:21.333	117GI105A106A4BH	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,043	64:0
1331	97	51	14:34:28.000	117GI105A106A4BI	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,043	74:0
1332	97	51	14:34:55.333	117GI105A106A4BJ	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,044	24:0
1333	97	51	14:35:02.000	117GI105A106A4BK	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,044	34:0
1334	97	51	14:35:29.333	117GI105A106A4BL	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,044	75:0
1335	97	51	14:35:36.000	117GI105A106A4BM	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,044	85:0
1336	97	51	14:36:03.333	117GI105A106A4BN	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,045	35:0
1337	97	51	14:36:10.000	117GI105A106A4BO	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,045	45:0
1338	97	51	14:36:37.333	117GI105A106A4BP	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,045	86:0
1339	97	51	14:36:44.000	117GI105A106A4BQ	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,046	05:0
1340	97	51	14:37:11.333	117GI105A106A4BR	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,046	46:0
1341	97	51	14:37:18.000	117GI105A106A4BS	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,046	56:0
1342	97	51	14:37:45.333	117GI105A106A4BT	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,047	06:0
1343	97	51	14:37:52.000	117GI105A106A4BU	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,047	16:0
1344	97	51	14:38:19.333	117GI105A106A4BV	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,047	57:0
1345	97	51	14:38:26.000	117GI105A106A4BW	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,047	67:0
1346	97	51	14:38:53.333	117GI105A106A4BX	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,048	17:0
1347	97	51	14:39:00.000	117GI105A106A4BY	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,048	27:0
1348	97	51	14:39:27.333	117GI105A106A4BZ	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,048	68:0
1349	97	51	14:39:34.000	117GI105A106A4CA	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,048	78:0
1350	97	51	14:40:01.333	117GI105A106A4CB	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,049	28:0
1351	97	51	14:40:08.000	117GI105A106A4CC	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,049	38:0
1352	97	51	14:40:35.333	117GI105A106A4CD	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,049	79:0
1353	97	51	14:40:42.000	117GI105A106A4CE	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,049	89:0
1354	97	51	14:41:09.333	117GI105A106A4CF	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,050	39:0
1355	97	51	14:41:16.000	117GI105A106A4CG	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,050	49:0
1356	97	51	14:41:43.333	117GI105A106A4CH	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,050	90:0
1357	97	51	14:41:50.000	117GI105A106A4CI	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,051	09:0
1358	97	51	14:42:17.333	117GI105A106A4CJ	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,051	50:0
1359	97	51	14:42:24.000	117GI105A106A4CK	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,051	60:0
1360	97	51	14:42:51.333	117GI105A106A4CL	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,052	10:0
1361	97	51	14:42:58.000	117GI105A106A4CM	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,052	20:0
1362	97	51	14:43:05.333		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 339.82 +/- 1	2R3	4	0	3,837,052	31:0
1363	97	51	14:43:25.333	117GI105A106A4CN	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,052	61:0
1364	97	51	14:43:30.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 337.51 +/- 1	2R3	4	0	3,837,052	68:0
1365	97	51	14:43:32.000	117GI105A106A4CO	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,052	71:0
1366	97	51	14:43:50.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 332.82 +/- 1	2R3	4	0	3,837,053	07:0
1367	97	51	14:43:59.333	117GI105A106A4CP	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,053	21:0
1368	97	51	14:44:06.000	117GI105A106A4CQ	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,053	31:0
1369	97	51	14:44:33.333	117GI105A106A4CR	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,053	72:0
1370	97	51	14:44:40.000	117GI105A106A4CS	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,053	82:0
1371	97	51	14:45:07.333	117GI105A106A4CT	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,054	32:0
1372	97	51	14:45:14.000	117GI105A106A4CU	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,054	42:0
1373	97	51	14:45:41.333	117GI105A106A4CV	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,054	83:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	97	51	14:45:48.000	117GI105A106A4CW	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,055:02:0	
1375	97	51	14:46:15.333	117GI105A106A4CX	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,055:43:0	
1376	97	51	14:46:22.000	117GI105A106A4CY	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,055:53:0	
1377	97	51	14:46:49.333	117GI105A106A4CZ	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,056:03:0	
1378	97	51	14:46:56.000	117GI105A106A4DA	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,056:13:0	
1379	97	51	14:47:23.333	117GI105A106A4DB	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,056:54:0	
1380	97	51	14:47:30.000	117GI105A106A4DC	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,056:64:0	
1381	97	51	14:47:57.333	117GI105A106A4DD	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,057:14:0	
1382	97	51	14:48:04.000	117GI105A106A4DE	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,057:24:0	
1383	97	51	14:48:31.333	117GI105A106A4DF	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,057:65:0	
1384	97	51	14:48:38.000	117GI105A106A4DG	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,057:75:0	
1385	97	51	14:49:05.333	117GI105A106A4DH	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,058:25:0	
1386	97	51	14:49:12.000	117GI105A106A4DI	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,058:35:0	
1387	97	51	14:49:39.333	117GI105A106A4DJ	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,058:76:0	
1388	97	51	14:49:46.000	117GI105A106A4DK	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,058:86:0	
1389	97	51	14:50:13.333	117GI105A106A4DL	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,059:36:0	
1390	97	51	14:50:20.000	117GI105A106A4DM	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,059:46:0	
1391	97	51	14:50:47.333	117GI105A106A4DN	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,059:87:0	
1392	97	51	14:50:54.000	117GI105A106A4DO	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,060:06:0	
1393	97	51	14:51:21.333	117GI105A106A4DP	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,060:47:0	
1394	97	51	14:51:28.000	117GI105A106A4DQ	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,060:57:0	
1395	97	51	14:51:55.333	117GI105A106A4DR	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,061:07:0	
1396	97	51	14:52:02.000	117GI105A106A4DS	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,061:17:0	
1397	97	51	14:52:29.333	117GI105A106A4DT	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,061:58:0	
1398	97	51	14:52:36.000	117GI105A106A4DU	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,061:68:0	
1399	97	51	14:53:03.333	117GI105A106A4DV	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,062:18:0	
1400	97	51	14:53:10.000	117GI105A106A4DW	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,062:28:0	
1401	97	51	14:53:37.333	117GI105A106A4DX	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,062:69:0	
1402	97	51	14:53:44.000	117GI105A106A4DY	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,062:79:0	
1403	97	51	14:54:11.333	117GI105A106A4DZ	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,063:29:0	
1404	97	51	14:54:18.000	117GI105A106A4EA	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,063:39:0	
1405	97	51	14:54:45.333	117GI105A106A4EB	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,063:80:0	
1406	97	51	14:54:52.000	117GI105A106A4EC	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,063:90:0	
1407	97	51	14:55:19.333	117GI105A106A4ED	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,064:40:0	
1408	97	51	14:55:26.000	117GI105A106A4EE	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,064:50:0	
1409	97	51	14:55:53.333	117GI105A106A4EF	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,065:00:0	
1410	97	51	14:56:00.000	117GI105A106A4EG	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,065:10:0	
1411	97	51	14:56:07.333		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 332.76 +/- 1	2R3	4	0	3,837,065:21:0	
1412	97	51	14:56:27.333	117GI105A106A4EH	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,065:51:0	
1413	97	51	14:56:32.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 330.44 +/- 1	2R3	4	0	3,837,065:58:0	
1414	97	51	14:56:34.000	117GI105A106A4EI	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,065:61:0	
1415	97	51	14:56:52.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 325.76 +/- 1	2R3	4	0	3,837,065:88:0	
1416	97	51	14:57:01.333	117GI105A106A4EJ	7STRP	0.03902,-0.00105	Slew =12.01	2R3	4	0	3,837,066:11:0	
1417	97	51	14:57:08.000	117GI105A106A4EK	7STRP	-0.039521,0.0,0,	Slew =,1.61	2R3	4	0	3,837,066:21:0	
1418	97	51	14:57:35.333	117GI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,837,066:62:0	
1419	97	51	15:03:12.666	488AQ6D	6TMSED	FILL,EL2	Sci, Eng, and D/L Chan	2R3	4	0	3,837,072:22:0	
1420	97	51	15:09:10.000		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 325.70 +/- 1	2R3	4	0	3,837,078:12:0	
1421	97	51	15:09:34.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 323.54 +/- 1	2R3	4	0	3,837,078:48:0	
1422	97	51	15:09:54.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 318.85 +/- 1	2R3	4	0	3,837,078:78:0	
1423	97	51	15:22:12.000		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 318.79 +/- 1	2R3	4	0	3,837,091:02:0	
1424	97	51	15:22:36.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 316.47 +/- 1	2R3	4	0	3,837,091:39:0	
1425	97	51	15:22:56.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 311.79 +/- 1	2R3	4	0	3,837,091:69:0	
1426	97	51	15:23:10.666	176GI6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,837,091:90:0	
1427	97	51	15:23:12.666		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 311.73 +/- 1	2R3	4	0	3,837,092:02:0	
1428	97	51	15:23:22.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 312.85 +/- 1	2R3	4	0	3,837,092:17:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1429	97	51	15:23:30.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 311.13 +/- 1	2R3	4	0	3,837,092:28:0
1430	97	51	15:34:18.666	411JF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,837,103:00:0
1431	97	51	15:34:18.666		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 311.07 +/- 1	2R3	4	0	3,837,103:00:0
1432	97	51	15:34:27.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 312.36 +/- 1	2R3	4	0	3,837,103:13:9
1433	97	51	15:34:28.666	411JF6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	3,837,103:15:0
1434	97	51	15:36:30.000	411JF6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,837,105:15:0
1435	97	51	15:36:30.666	411JF6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,837,105:16:0
1436	97	51	15:36:30.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 283.60 +/- 1	2R3	4	0	3,837,105:16:0
1437	97	51	15:52:24.000	465KB6A	6DTRN	CMD,6DTRN,465KB6	DMS TRACK TURNAROUND	2R3	4	0	3,837,120:81:0
1438	**97**	**51**	**15:55:36.667**	**E6NIMSP2LD09-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1439	**97**	**51**	**15:59:39.333**	**20EE6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,837,128:06:0**
1440	**97**	**51**	**16:00:40.000**	**20EE5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,837,129:06:0**
1441	**97**	**51**	**16:01:40.666**	**20EE5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,837,130:06:0**
1442	**97**	**51**	**16:02:41.333**	**20EE6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,837,131:06:0**
1443	**97**	**51**	**16:03:42.000**	**20EE6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,837,132:06:0**
1444	97	51	16:04:37.333	165IE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,132:89:0
1445	97	51	16:04:38.000	165IE4B	7SCAN	NORM,261.780998,	Check S/P Position	2R3	4	0	3,837,132:90:0
1446	**97**	**51**	**16:04:42.666**	**20EE5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,837,133:06:0**
1447	**97**	**51**	**16:05:43.333**	**E6NIMSP2LD09-**		**-----STOP-------**		**260**	**4**	**0**	**: :**
1448	**97**	**51**	**16:05:43.333**	**20EE5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,837,134:06:0**
1449	**97**	**51**	**16:06:44.000**	**E6ENSUCOMP01-**		**-----START------**		**260**	**4**	**0**	**: :**
1450	**97**	**51**	**16:06:44.000**	**20EE4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,837,135:06:0**
1451	**97**	**51**	**16:07:44.666**	**20EE4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,837,136:06:0**
1452	97	51	16:08:31.333	175IM422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	3,837,136:76:0
1453	97	51	16:08:33.333	118IE	**SMOS**	GS		2R3	4	0	3,837,136:79:0
1454	97	51	16:08:40.000	165IE4C	7VECT		Inert vect update UTC	2R3	4	0	3,837,136:89:0
1455	97	51	16:08:40.666	165IE4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,837,136:90:0
1456	97	51	16:08:42.666	175IM176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,837,137:02:0
1457	97	51	16:08:43.266		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC * 267.62 +/-	2R3	4	0	3,837,137:02:9
1458	97	51	16:08:43.333	118IE110A111A4A	7STRP	0.0018,-0.0061,2	Slew =,3.01	2R3	4	0	3,837,137:03:0
1459	97	51	16:09:00.666	118IE110A111A4B	7STRP	-0.0109,0.012401	Slew =,6.01	2R3	4	0	3,837,137:29:0
1460	97	51	16:09:09.333	118IE110A111A4C	7STRP	0.0018,-0.0061,2	Slew =,3.01	2R3	4	0	3,837,137:42:0
1461	97	51	16:09:26.666	118IE11A	**SMOS**	GE		2R3	4	0	3,837,137:68:0
1462	97	51	16:09:33.333	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,837,137:78:0
1463	97	51	16:09:33.333		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *1499.73 +/-	2R3	4	0	3,837,137:78:0
1464	97	51	16:09:40.666	165DZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,137:89:0
1465	97	51	16:09:41.333	165DZ4B	7SCAN	NORM,260.661999,	Check S/P Position	2R3	4	0	3,837,137:90:0
1466	97	51	16:11:38.666	125DS11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,837,139:84:0
1467	97	51	16:11:38.666	125DS	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,837,139:84:0
1468	**97**	**51**	**16:11:38.666**	**125DS4A**	**37IST**	**0,2,0,OFF,0,1,2**	**Gain State 3**	**3R3**	**4**	**0**	**3,837,139:84:0**
1469	**97**	**51**	**16:12:39.333**	**127DZ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**3R3**	**4**	**0**	**3,837,140:84:0**
1470	97	51	16:12:39.333	127DZ	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,837,140:84:0
1471	**97**	**51**	**16:12:40.000**	**127DZ4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,837,140:85:0**
1472	97	51	16:12:48.000	127DZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,837,141:06:0
1473	97	51	16:13:30.666	175DZ422A6A	6DMSC	R28,3	DMS Control	3R3	4	0	3,837,141:70:0
1474	97	51	16:13:35.333	117DZ	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,837,141:77:0
1475	97	51	16:13:41.333		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *1512.73 +/-	3R3	4	0	3,837,141:86:0
1476	97	51	16:13:41.333	175DZ176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R3	4	0	3,837,141:86:0
1477	97	51	16:13:43.333	165DZ4C	7VECT		Inert vect update UTC	3R3	4	0	3,837,141:89:0
1478	97	51	16:13:44.000	165DZ4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,837,141:90:0
1479	97	51	16:13:44.666	117DZ105A106A4A	**7STRP**	**-0.014501,0.0,0,**	**Slew =,0.03**	3R3	4	0	3,837,142:00:0
1480	**97**	**51**	**16:13:44.779**	**E6ENSUCOMP01-**	**NIMPBK**	**301DX**	**EUROPA SURFACE COMPOSITION**	**3R3**	**4**	**0**	**: :**
1481	**97**	**51**	**16:17:47.445**	**E6ENSUCOMP01-**	**NIMPBK**	**301EF**	**EUROPA SURFACE COMPOSITION**	**3R3**	**4**	**0**	**: :**
1482	**97**	**51**	**16:17:56.112**	**E6ENSUCOMP01-**	**DESELC**	**300DX**	**EUROPA SURFACE COMPOSITION**	**3R3**	**4**	**0**	**: :**
1483	**97**	**51**	**16:19:52.667**	**E6ENSUCOMP01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	**97**	**51**	**16:21:48.112**	**E6ENSUCOMP01-**	**DESELC**	**300EF**	**EUROPA SURFACE COMPOSITION**	**3R3**	**4**	**0**	**: :**	
1485	97	51	16:21:50.000	117DZ11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,837,150:00:0	
1486	97	51	16:21:51.333	175DZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,837,150:02:0	
1487	97	51	16:21:51.333		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *1943.40 +/-	3R3	4	0	3,837,150:02:0	
1488	97	51	16:22:49.333	165IP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,837,150:89:0	
1489	97	51	16:22:50.000	165IP4B	7SCAN	NORM,258.514999,	Check S/P Position	3R3	4	0	3,837,150:90:0	
1490	**97**	**51**	**16:24:56.000**	**E6ENSUCOMP02-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1491	97	51	16:25:56.666	117IP	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,837,154:06:0	
1492	97	51	16:26:42.000	175IN422A6A	6DMSC	R806,3	DMS Control	3R3	4	0	3,837,154:74:0	
1493	97	51	16:26:50.000	165IP4C	7VECT		Inert vect update UTC	3R3	4	0	3,837,154:86:0	
1494	97	51	16:26:50.666	165IP4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,837,154:87:0	
1495	97	51	16:26:51.333	117IP105A106A4A	7STRP	0.011501,0.0,0,0	Slew =,3.16	3R3	4	0	3,837,154:88:0	
1496	97	51	16:26:53.333	175IN176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	3R3	4	0	3,837,155:00:0	
1497	97	51	16:26:53.933		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2009.70 +/-	3R3	4	0	3,837,155:00:9	
1498	97	51	16:26:58.000		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *2109.77 +/-	3R3	4	0	3,837,155:07:0	
1499	97	51	16:26:58.000	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,837,155:07:0	
1500	97	51	16:26:58.666	117IP105A106A4B	7STRP	-0.011501,-0.007	Slew =0,5.0	3R3	4	0	3,837,155:08:0	
1501	97	51	16:27:05.333	175IO422A6A	6DMSC	R806,3	DMS Control	3R3	4	0	3,837,155:18:0	
1502	97	51	16:27:14.666	117IP105A106A4C	7STRP	0.011501,0.0,0,0	Slew =,3.16	3R3	4	0	3,837,155:32:0	
1503	97	51	16:27:16.666	175IO176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	3R3	4	0	3,837,155:35:0	
1504	97	51	16:27:17.266		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2187.27 +/- 1	3R3	4	0	3,837,155:35:9	
1505	97	51	16:27:21.333	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,837,155:42:0	
1506	97	51	16:27:21.333		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *2287.35 +/- 1	3R3	4	0	3,837,155:42:0	
1507	97	51	16:27:22.000	117IP11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,837,155:43:0	
1508	97	51	16:27:52.666	165EA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,837,155:89:0	
1509	97	51	16:27:53.333	165EA4B	7SCAN	NORM,249.186998,	Check S/P Position	3R3	4	0	3,837,155:90:0	
1510	97	51	16:30:51.333	127EA	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,837,158:84:0	
1511	**97**	**51**	**16:30:51.333**	**127EA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**3R3**	**4**	**0**	**3,837,158:84:0**	
1512	**97**	**51**	**16:30:52.000**	**127EA4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,837,158:85:0**	
1513	97	51	16:31:00.000	127EA11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,837,159:06:0	
1514	97	51	16:31:42.666	175EA422A6A	6DMSC	R28,3	DMS Control	3R3	4	0	3,837,159:70:0	
1515	97	51	16:31:47.333	117EA	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,837,159:77:0	
1516	97	51	16:31:53.333	175EA176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R3	4	0	3,837,159:86:0	
1517	97	51	16:31:53.333		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *2300.35 +/- 1	3R3	4	0	3,837,159:86:0	
1518	97	51	16:31:55.333	165EA4C	7VECT		Inert vect update UTC	3R3	4	0	3,837,159:89:0	
1519	97	51	16:31:56.000	165EA4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,837,159:90:0	
1520	97	51	16:31:56.666	117EA105A106A4A	**7STRP**	**-0.014501,0.0,0,**	**Slew =,0.03**	3R3	4	0	3,837,160:00:0	
1521	**97**	**51**	**16:31:56.779**	**E6ENSUCOMP02-**	**NIMPBK**	**301DY**	**EUROPA SURFACE COMPOSITION**	**3R3**	**4**	**0**	**: :**	
1522	**97**	**51**	**16:31:56.779**	**E6ENSUCOMP02-**	**NIMPBK**	**301DR**	**EUROPA SURFACE COMPOSITION**	**3R3**	**4**	**0**	**: :**	
1523	97	51	16:36:57.333	282NA431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	3R3	4	0	3,837,164:87:0	
1524	**97**	**51**	**16:37:00.000**	**E6ENSUCOMP02-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
1525	97	51	16:37:00.000	431MA6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	3R3	4	0	3,837,165:00:0	
1526	**97**	**51**	**16:37:03.999**	**E6INRTIMON01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1527	97	51	16:39:00.666	428PH6A	6RCCLR			3R3	4	0	3,837,166:90:0	
1528	97	51	16:39:01.333	428PH6B	6RCSET		8	3R3	4	0	3,837,167:00:0	
1529	**97**	**51**	**16:39:57.333**	**125DT4A**	**37IST**	**0,0,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,837,167:84:0**	
1530	97	51	16:39:57.333	125DT	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,837,167:84:0	
1531	**97**	**51**	**16:40:01.444**	**E6ENSUCOMP02-**	**DESELC**	**300DR**	**EUROPA SURFACE COMPOSITION**	**2R3**	**4**	**0**	**: :**	
1532	**97**	**51**	**16:40:01.444**	**E6ENSUCOMP02-**	**DESELC**	**300DY**	**EUROPA SURFACE COMPOSITION**	**2R3**	**4**	**0**	**: :**	
1533	97	51	16:40:02.000	175TB422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	3,837,168:00:0	
1534	97	51	16:40:02.000		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *2729.84 +/- 1	2R3	4	0	3,837,168:00:0	
1535	97	51	16:40:02.000	117EA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,837,168:00:0	
1536	97	51	16:40:03.200		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2730.14 +/- 1	2R3	4	0	3,837,168:01:8	
1537	97	51	16:40:04.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2730.26 +/- 1	2R3	4	0	3,837,168:03:9	
1538	97	51	16:40:04.666	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,837,168:04:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	97	51	16:40:58.000	125DT11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,837,168:84:0	
1540	**97**	**51**	**16:40:58.000**	**125DT4B**	**37MB**	**1C,07,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**3,837,168:84:0**	
1541	97	51	16:41:01.333	165FO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,168:89:0	
1542	97	51	16:41:02.000	165FO4B	7SCAN	NORM,278.431,-24	Check S/P Position	2R3	4	0	3,837,168:90:0	
1543	**97**	**51**	**16:41:43.333**	**E6INRTIMON01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1544	**97**	**51**	**16:41:58.666**	**127DT4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,837,169:84:0**	
1545	97	51	16:41:58.666	127DT	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,837,169:84:0	
1546	**97**	**51**	**16:41:59.333**	**127DT4B**	**37ETB**	**07,C7,19,29,95,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,837,169:85:0**	
1547	97	51	16:42:07.333	127DT11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,837,170:06:0	
1548	**97**	**51**	**16:42:07.333**	**E6ENBRTPLN01+**		**-----START------**		**2R7**	**4**	**21**	**: :**	
1549	**97**	**51**	**16:42:23.333**	**432DJ6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R7**	**4**	**21**	**3,837,170:30:0**	
1550	97	51	16:42:54.666	117FO	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,837,170:77:0	
1551	97	51	16:43:04.000	117FO105A106A4A	7STRP	0.002,0.0,0,0,0,	Slew =,0.76	2R7	4	21	3,837,171:00:0	
1552	97	51	16:43:09.333	117FO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,837,171:08:0	
1553	**97**	**51**	**16:43:22.666**	**432DK6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R7**	**4**	**21**	**3,837,171:28:0**	
1554	97	51	16:43:32.666	428PA6A	6RCCLR			2R7	4	21	3,837,171:43:0	
1555	97	51	16:43:33.333	428PA6B	6RCSET	14		2R7	4	21	3,837,171:44:0	
1556	**97**	**51**	**16:44:00.000**	**125DU4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R7**	**4**	**21**	**3,837,171:84:0**	
1557	**97**	**51**	**16:44:00.000**	**125DW4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R7**	**4**	**21**	**3,837,171:84:0**	
1558	97	51	16:44:00.000	125DU11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	21	3,837,171:84:0	
1559	97	51	16:44:00.000	125DU	NIMSINIT	GS	##### GROUP START INIT	2R7	4	21	3,837,171:84:0	
1560	97	51	16:44:00.000	125DW	NIMSINIT	GS	##### GROUP START INIT	2R7	4	21	3,837,171:84:0	
1561	97	51	16:44:00.000	125DW11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	21	3,837,171:84:0	
1562	**97**	**51**	**16:45:00.666**	**127DW4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,837,172:84:0**	
1563	97	51	16:45:00.666	127DW	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,837,172:84:0	
1564	**97**	**51**	**16:45:01.333**	**127DW4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,837,172:85:0**	
1565	97	51	16:45:04.000	165IR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,172:89:0	
1566	97	51	16:45:04.666	165IR4B	7SCAN	NORM,253.82,-14.	Check S/P Position	2R3	4	0	3,837,172:90:0	
1567	97	51	16:45:09.333	127DW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,837,173:06:0	
1568	**97**	**51**	**16:45:09.333**	**E6ENBRTPLN01+**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1569	97	51	16:46:46.666	488AQ6E	6TMSED	FILL,EL3	Sci, Eng, and D/L Chan	2R3	4	0	3,837,174:61:0	
1570	97	51	16:46:58.666	118IR	**SMOS**	GS		2R3	4	0	3,837,174:79:0	
1571	97	51	16:47:02.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2828.09 +/- 1	2R3	4	0	3,837,174:84:0	
1572	97	51	16:47:02.000	175IP422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	3,837,174:84:0	
1573	97	51	16:47:03.200		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *2828.15 +/- 1	2R3	4	0	3,837,174:85:8	
1574	97	51	16:47:05.333	165IR4C	7VECT		Inert vect update UTC	2R3	4	0	3,837,174:89:0	
1575	97	51	16:47:06.000	165IR4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,837,174:90:0	
1576	97	51	16:47:08.000	175IP176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,837,175:02:0	
1577	97	51	16:47:08.466		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2894.15 +/- 1	2R3	4	0	3,837,175:02:7	
1578	97	51	16:47:08.666	118IR110A111A4A	7STRP	-0.0073,0.0,26,0	Slew =,3.01	2R3	4	0	3,837,175:03:0	
1579	**97**	**51**	**16:47:08.778**	**E6ENBRTPLN01+**	**NIMPBK**	**301DZ**	**NIMS RIDE-ALONG OBSERVATION WITH**	**2R3**	**4**	**0**	**: :**	
1580	97	51	16:47:24.000	428PB6A	6RCCLR			2R3	4	0	3,837,175:26:0	
1581	97	51	16:47:24.666	428PB6B	6RCSET	11		2R3	4	0	3,837,175:27:0	
1582	97	51	16:47:34.666	118IR11A	**SMOS**	GE		2R3	4	0	3,837,175:42:0	
1583	**97**	**51**	**16:47:40.778**	**E6ENBRTPLN01+**	**DESELC**	**300DZ**	**NIMS RIDE-ALONG OBSERVATION WITH**	**2R3**	**4**	**0**	**: :**	
1584	97	51	16:47:41.333		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3702.98 +/- 1	2R3	4	0	3,837,175:52:0	
1585	97	51	16:47:41.333	175TC422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	3,837,175:52:0	
1586	97	51	16:47:44.066		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3714.48 +/- 1	2R3	4	0	3,837,175:56:1	
1587	97	51	16:47:45.333	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,837,175:58:0	
1588	97	51	16:47:45.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3714.60 +/- 1	2R3	4	0	3,837,175:58:2	
1589	97	51	16:48:56.000	165GJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,176:73:0	
1590	97	51	16:48:56.666	165GJ4B	7SCAN	NORM,242.143,-22	Check S/P Position	2R3	4	0	3,837,176:74:0	
1591	97	51	16:49:11.333	117GJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,837,177:05:0	
1592	97	51	16:49:19.333	165GJ4C	7VECT		Inert vect update UTC	2R3	4	0	3,837,177:17:0	
1593	97	51	16:49:20.000	165GJ4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,837,177:18:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	97	51	16:49:20.666	117GJ105A106A4A	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,177:19:0	
1595	97	51	16:49:33.333	117GJ105A106A4B	7STRP	0.0022,0.0035,0,	Slew =12.01	2R3	4	0	3,837,177:38:0	
1596	97	51	16:49:44.000	117GJ105A106A4C	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,177:54:0	
1597	97	51	16:49:56.666	117GJ105A106A4D	7STRP	0.0022,0.0035,0,	Slew =12.01	2R3	4	0	3,837,177:73:0	
1598	97	51	16:50:07.333	117GJ105A106A4E	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,177:89:0	
1599	97	51	16:50:20.000	117GJ105A106A4F	7STRP	0.0022,0.0035,0,	Slew =12.01	2R3	4	0	3,837,178:17:0	
1600	97	51	16:50:30.666	117GJ105A106A4G	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,178:33:0	
1601	97	51	16:50:43.333	117GJ105A106A4H	7STRP	0.0022,0.0035,0,	Slew =12.01	2R3	4	0	3,837,178:52:0	
1602	97	51	16:50:54.000	117GJ105A106A4I	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,178:68:0	
1603	97	51	16:51:06.666	117GJ105A106A4J	7STRP	0.0022,0.0035,0,	Slew =12.01	2R3	4	0	3,837,178:87:0	
1604	97	51	16:51:17.333	117GJ105A106A4K	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,179:12:0	
1605	97	51	16:51:25.333	428PC6A	6RCCLR			2R3	4	0	3,837,179:24:0	
1606	97	51	16:51:26.000	428PC6B	6RCSET	14		2R3	4	0	3,837,179:25:0	
1607	97	51	16:51:30.000	117GJ105A106A4L	7STRP	0.0022,0.0035,0,	Slew =12.01	2R3	4	0	3,837,179:31:0	
1608	97	51	16:51:40.666	117GJ105A106A4M	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,179:47:0	
1609	97	51	16:51:53.333	117GJ105A106A4N	7STRP	0.0022,0.0035,0,	Slew =12.01	2R3	4	0	3,837,179:66:0	
1610	97	51	16:52:04.000	117GJ105A106A4O	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,179:82:0	
1611	97	51	16:52:16.666	117GJ105A106A4P	7STRP	0.0022,0.0035,0,	Slew =12.01	2R3	4	0	3,837,180:10:0	
1612	97	51	16:52:27.333	117GJ105A106A4Q	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,180:26:0	
1613	97	51	16:52:40.000	117GJ105A106A4R	7STRP	0.0022,0.0035,0,	Slew =12.01	2R3	4	0	3,837,180:45:0	
1614	97	51	16:52:50.666	117GJ105A106A4S	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,180:61:0	
1615	97	51	16:53:03.333	117GJ105A106A4T	7STRP	0.0022,0.0035,0,	Slew =12.01	2R3	4	0	3,837,180:80:0	
1616	97	51	16:53:14.000	117GJ105A106A4U	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,181:05:0	
1617	97	51	16:53:26.666	117GJ105A106A4V	7STRP	0.0022,0.0035,0,	Slew =12.01	2R3	4	0	3,837,181:24:0	
1618	97	51	16:53:37.333	117GJ105A106A4W	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,181:40:0	
1619	97	51	16:53:50.000	117GJ105A106A4X	7STRP	0.0022,0.0035,0,	Slew =12.01	2R3	4	0	3,837,181:59:0	
1620	97	51	16:54:00.666	117GJ105A106A4Y	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,181:75:0	
1621	97	51	16:54:13.333	117GJ105A106A4Z	7STRP	0.0022,0.0035,0,	Slew =12.01	2R3	4	0	3,837,182:03:0	
1622	**97**	**51**	**16:54:15.333**	**E6ENBRTPLN02+**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1623	97	51	16:54:15.333	117IS	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,837,182:06:0	
1624	97	51	16:54:24.000	117GJ105A106A4AA	7STRP	0.0,-0.0035,0,0,	Slew =,0.45	2R3	4	0	3,837,182:19:0	
1625	97	51	16:54:36.666	117GJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,837,182:38:0	
1626	97	51	16:54:42.000	165IS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,182:46:0	
1627	97	51	16:54:42.666	165IS4B	7SCAN	NORM,238.818998,	Check S/P Position	2R3	4	0	3,837,182:47:0	
1628	97	51	16:55:06.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3817.85 +/- 1	2R3	4	0	3,837,182:82:0	
1629	97	51	16:55:06.000	175IQ422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	3,837,182:82:0	
1630	97	51	16:55:07.200		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *3817.91 +/- 1	2R3	4	0	3,837,182:83:8	
1631	97	51	16:55:08.666	165IS4C	7VECT		Inert vect update UTC	2R3	4	0	3,837,182:86:0	
1632	97	51	16:55:09.333	165IS4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,837,182:87:0	
1633	97	51	16:55:10.000	117IS105A106A4A	7STRP	-0.043027,0.0,0,	Slew =0,3.1	2R3	4	0	3,837,182:88:0	
1634	97	51	16:55:12.000	175IQ176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	3,837,183:00:0	
1635	97	51	16:55:12.466		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3883.91 +/- 2	2R3	4	0	3,837,183:00:7	
1636	97	51	16:55:18.666	428PD6A	6RCCLR			2R3	4	0	3,837,183:10:0	
1637	97	51	16:55:19.333	428PD6B	6RCSET	11		2R3	4	0	3,837,183:11:0	
1638	97	51	16:55:26.000	175TD422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	3,837,183:21:0	
1639	97	51	16:55:26.000		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *4216.96 +/- 2	2R3	4	0	3,837,183:21:0	
1640	97	51	16:55:28.733		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4228.46 +/- 2	2R3	4	0	3,837,183:25:1	
1641	97	51	16:55:30.000	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,837,183:27:0	
1642	97	51	16:55:30.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4228.58 +/- 2	2R3	4	0	3,837,183:27:2	
1643	97	51	16:55:31.333	117IS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,837,183:29:0	
1644	**97**	**51**	**16:56:47.333**	**E6ENBRTPLN02+**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1645	97	51	16:56:49.333	428PE6A	6RCCLR			2R3	4	0	3,837,184:55:0	
1646	97	51	16:56:50.000	428PE6B	6RCSET	14		2R3	4	0	3,837,184:56:0	
1647	97	51	16:57:12.000	165IT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,184:89:0	
1648	97	51	16:57:12.666	165IT4B	7SCAN	NORM,233.582998,	Check S/P Position	2R3	4	0	3,837,184:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	97	51	16:58:06.000	118IT	**SMOS**	GS		2R3	4	0	3,837,185	79:0
1650	97	51	16:58:09.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4265.89 +/- 2	2R3	4	0	3,837,185	84:0
1651	97	51	16:58:09.333	175IR422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	3,837,185	84:0
1652	97	51	16:58:10.533		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *4265.95 +/- 2	2R3	4	0	3,837,185	85:8
1653	97	51	16:58:12.666	165IT4C	7VECT		Inert vect update UTC	2R3	4	0	3,837,185	89:0
1654	97	51	16:58:13.333	165IT4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,837,185	90:0
1655	97	51	16:58:15.333	175IR176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,837,186	02:0
1656	97	51	16:58:15.800		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *4331.95 +/- 2	2R3	4	0	3,837,186	02:7
1657	97	51	16:58:16.000	118IT110A111A4A	7STRP	0.0,-0.0061,26,0	Slew =,3.01	2R3	4	0	3,837,186	03:0
1658	97	51	16:58:33.333	118IT110A111A4B	7STRP	0.0073,0.012401,	Slew =,6.01	2R3	4	0	3,837,186	29:0
1659	97	51	16:58:36.000	428PF6A	6RCCLR			2R3	4	0	3,837,186	33:0
1660	97	51	16:58:36.666	428PF6B	6RCSET	11		2R3	4	0	3,837,186	34:0
1661	97	51	16:58:42.000	118IT110A111A4C	7STRP	0.0,-0.0061,26,0	Slew =,3.01	2R3	4	0	3,837,186	42:0
1662	97	51	16:58:57.333		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *5354.06 +/- 2	2R3	4	0	3,837,186	65:0
1663	97	51	16:58:57.333	175TE422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	3,837,186	65:0
1664	97	51	16:58:59.333	118IT11A	**SMOS**	GE		2R3	4	0	3,837,186	68:0
1665	97	51	16:59:00.066		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5365.56 +/- 2	2R3	4	0	3,837,186	69:1
1666	97	51	16:59:01.333	175TE176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,837,186	71:0
1667	97	51	16:59:01.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5365.68 +/- 2	2R3	4	0	3,837,186	71:2
1668	97	51	16:59:56.666	165GK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,187	63:0
1669	97	51	16:59:57.333	165GK4B	7SCAN	NORM,189.289999,	Check S/P Position	2R3	4	0	3,837,187	64:0
1670	97	51	17:00:30.666	117GK	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,837,188	23:0
1671	97	51	17:00:38.666	165GK4C	7VECT		Inert vect update UTC	2R3	4	0	3,837,188	35:0
1672	97	51	17:00:39.333	165GK4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,837,188	36:0
1673	97	51	17:00:40.000	117GK105A106A4A	7STRP	0.028708,0.0,0,0	Slew =,0.45	2R3	4	0	3,837,188	37:0
1674	97	51	17:01:47.333	117GK105A106A4B	7STRP	-0.026006,-0.001	Slew =12.01	2R3	4	0	3,837,189	47:0
1675	97	51	17:01:54.000	117GK105A106A4C	7STRP	0.028708,0.0,0,0	Slew =,0.45	2R3	4	0	3,837,189	57:0
1676	97	51	17:03:01.333	117GK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,837,190	67:0
1677	97	51	17:06:18.000	165GL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,193	89:0
1678	97	51	17:06:18.666	165GL4B	7SCAN	NORM,124.948,52.	Check S/P Position	2R3	4	0	3,837,193	90:0
1679	97	51	17:10:12.666	117GL	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,837,197	77:0
1680	97	51	17:10:22.000	117GL105A106A4A	7STRP	-0.038018,0.0400	Slew =,0.83	2R3	4	0	3,837,198	00:0
1681	97	51	17:11:22.666	428PG6A	6RCCLR			2R3	4	0	3,837,199	00:0
1682	97	51	17:12:59.333	117GL105A106A4B	7STRP	-0.038018,0.0400	Slew =,0.83	2R3	4	0	3,837,200	54:0
1683	97	51	17:15:36.666	117GL105A106A4C	7STRP	-0.038018,0.0400	Slew =,0.83	2R3	4	0	3,837,203	17:0
1684	97	51	17:18:14.000	117GL105A106A4D	7STRP	-0.038018,0.0400	Slew =,0.83	2R3	4	0	3,837,205	71:0
1685	97	51	17:20:51.333	117GL105A106A4E	7STRP	-0.038018,0.0400	Slew =,0.83	2R3	4	0	3,837,208	34:0
1686	97	51	17:22:28.000	432MC431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	3,837,209	88:0
1687	97	51	17:22:28.666	432MC6A	6RTSL1		R/T Select of DDS and	2R3	4	0	3,837,209	89:0
1688	97	51	17:22:30.000	432OD431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	3,837,210	00:0
1689	97	51	17:22:30.666	432OD6A	6RTSL1		R/T Select of DDS and	2R3	4	0	3,837,210	01:0
1690	97	51	17:22:32.000	175TE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,837,210	03:0
1691	97	51	17:22:32.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5696.27 +/- 2	2R3	4	0	3,837,210	03:0
1692	97	51	17:22:38.000	282NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	3,837,210	12:0
1693	97	51	17:23:26.666	282NB432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	3,837,210	85:0
1694	97	51	17:23:27.333	282NB432A6A	6RTSL1		R/T Select of DDS and	2R3	4	0	3,837,210	86:0
1695	97	51	17:23:28.666	117GL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,837,210	88:0
1696	97	51	17:36:38.000	165GM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,223	89:0
1697	97	51	17:36:38.666	165GM4B	7SCAN	NORM,99.577,26.0	Check S/P Position	2R3	4	0	3,837,223	90:0
1698	97	51	17:40:32.666	117GM	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,837,227	77:0
1699	97	51	17:40:42.000	176GM6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,837,228	00:0
1700	97	51	17:40:42.000	117GM105A106A4A	7STRP	0.0,-0.006,0,0,0	Slew =,0.66	2R3	4	0	3,837,228	00:0
1701	97	51	17:41:04.000	117GM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,837,228	33:0
1702	97	51	17:41:15.333	176GM6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,837,228	50:0
1703	97	51	17:41:27.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5696.91 +/- 2	2R3	4	0	3,837,228	68:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	97	51	17:41:34.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5698.63 +/- 2	2R3	4	0	3,837,228:79:0	
1705	**97**	**51**	**17:42:47.333**	**E6ENSEAICE01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1706	97	51	17:47:45.333	165FM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,234:89:0	
1707	97	51	17:47:46.000	165FM4B	7SCAN	NORM,94.238,25.6	Check S/P Position	2R3	4	0	3,837,234:90:0	
1708	97	51	17:49:43.333	125FN11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,837,236:84:0	
1709	97	51	17:49:43.333	125FN	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,837,236:84:0	
1710	**97**	**51**	**17:49:43.333**	**125FN4A**	**37IST**	**0,2,0,OFF,0,1,2**	**Gain State 3**	**3R3**	**4**	**0**	**3,837,236:84:0**	
1711	97	51	17:50:44.000	127FN	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,837,237:84:0	
1712	**97**	**51**	**17:50:44.000**	**127FN4A**	**37IOP**	**7,0**	**Fixed Map, Grating Start Position =00**	**3R7**	**4**	**0**	**3,837,237:84:0**	
1713	**97**	**51**	**17:50:44.666**	**127FN4B**	**37ETB**	**07,C7,19,FD,C0,0**	**Loads wavelength edit table**	**3R7**	**4**	**0**	**3,837,237:85:0**	
1714	97	51	17:50:52.666	127FN11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R7	4	0	3,837,238:06:0	
1715	97	51	17:51:38.000	175FM422A6A	6DMSC	R7,3	DMS Control	3R7	4	0	3,837,238:74:0	
1716	97	51	17:51:40.000	117FM	**CSMOS**	GS	***** GROUP START CSMOS	3R7	4	0	3,837,238:77:0	
1717	97	51	17:51:46.000	175FM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R7	4	0	3,837,238:86:0	
1718	97	51	17:51:46.066		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5698.81 +/- 2	3R7	4	0	3,837,238:86:1	
1719	97	51	17:51:49.333	117FM105A106A4A	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,239:00:0	
1720	**97**	**51**	**17:51:49.442**	**E6ENSEAICE01-**	**NIMPBK**	**301EB**	**EUROPA HEXANGONAL ICE**	**3R7**	**4**	**0**	**: :**	
1721	97	51	17:52:11.333	117FM105A106A4B	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,239:33:0	
1722	97	51	17:52:16.666	117FM105A106A4C	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,239:41:0	
1723	97	51	17:52:38.666	117FM105A106A4D	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,239:74:0	
1724	97	51	17:52:44.000	117FM105A106A4E	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,239:82:0	
1725	**97**	**51**	**17:52:52.776**	**E6ENSEAICE01-**	**DESELC**	**300EB**	**EUROPA HEXANGONAL ICE**	**3R7**	**4**	**0**	**: :**	
1726	97	51	17:53:06.000	117FM105A106A4F	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,240:24:0	
1727	97	51	17:53:11.333	117FM105A106A4G	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,240:32:0	
1728	97	51	17:53:33.333	117FM105A106A4H	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,240:65:0	
1729	97	51	17:53:38.666	117FM105A106A4I	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,240:73:0	
1730	97	51	17:54:00.666	117FM105A106A4J	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,241:15:0	
1731	97	51	17:54:06.000	117FM105A106A4K	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,241:23:0	
1732	97	51	17:54:28.000	117FM105A106A4L	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,241:56:0	
1733	97	51	17:54:33.333	117FM105A106A4M	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,241:64:0	
1734	97	51	17:54:55.333	117FM105A106A4N	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,242:06:0	
1735	97	51	17:55:00.666	117FM105A106A4O	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,242:14:0	
1736	97	51	17:55:22.666	117FM105A106A4P	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,242:47:0	
1737	97	51	17:55:28.000	117FM105A106A4Q	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,242:55:0	
1738	97	51	17:55:50.000	117FM105A106A4R	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,242:88:0	
1739	97	51	17:55:55.333	117FM105A106A4S	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,243:05:0	
1740	97	51	17:56:17.333	117FM105A106A4T	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,243:38:0	
1741	97	51	17:56:22.666	117FM105A106A4U	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,243:46:0	
1742	97	51	17:56:44.666	117FM105A106A4V	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,243:79:0	
1743	97	51	17:56:50.000	117FM105A106A4W	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,243:87:0	
1744	97	51	17:57:12.000	117FM105A106A4X	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,244:29:0	
1745	97	51	17:57:17.333	117FM105A106A4Y	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,244:37:0	
1746	97	51	17:57:39.333	117FM105A106A4Z	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,244:70:0	
1747	97	51	17:57:44.666	117FM105A106A4AA	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,244:78:0	
1748	97	51	17:58:06.666	117FM105A106A4AB	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,245:20:0	
1749	97	51	17:58:12.000	117FM105A106A4AC	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,245:28:0	
1750	**97**	**51**	**17:58:12.108**	**E6ENSEAICE01-**	**NIMPBK**	**301FI**	**EUROPA HEXANGONAL ICE**	**3R7**	**4**	**0**	**: :**	
1751	97	51	17:58:34.000	117FM105A106A4AD	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,245:61:0	
1752	97	51	17:58:39.333	117FM105A106A4AE	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,245:69:0	
1753	97	51	17:59:01.333	117FM105A106A4AF	7STRP	0.016602,0.0,0,0	Slew =12.01	3R7	4	0	3,837,246:11:0	
1754	97	51	17:59:06.666	117FM105A106A4AG	7STRP	-0.014501,0.0,0,	Slew =,0.76	3R7	4	0	3,837,246:19:0	
1755	**97**	**51**	**17:59:14.775**	**E6ENSEAICE01-**	**DESELC**	**300FI**	**EUROPA HEXANGONAL ICE**	**3R7**	**4**	**0**	**: :**	
1756	97	51	17:59:28.666	117FM11A	**CSMOS**	GE	***** GROUP END CSMOS	3R7	4	0	3,837,246:52:0	
1757	97	51	17:59:46.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5811.45 +/- 2	3R7	4	0	3,837,246:79:0	
1758	97	51	17:59:46.666	175FM422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R7	4	0	3,837,246:79:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	97	51	17:59:46.666	175FM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R7	4	0	3,837,246	79:0
1760	97	51	18:02:55.333	165GN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R7	4	0	3,837,249	89:0
1761	97	51	18:02:56.000	165GN4B	7SCAN	NORM,90.915999,2	Check S/P Position	3R7	4	0	3,837,249	90:0
1762	97	51	18:06:50.000	117GN	**CSMOS**	GS	***** GROUP START CSMOS	3R7	4	0	3,837,253	77:0
1763	97	51	18:06:59.333	117GN105A106A4A	7STRP	0.0,-0.006,0,0,0	Slew =,0.61	3R7	4	0	3,837,254	00:0
1764	97	51	18:06:59.333	176GN6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R7	4	0	3,837,254	00:0
1765	97	51	18:07:10.666	488AR6A	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	3R7	4	0	3,837,254	17:0
1766	97	51	18:07:21.333	117GN11A	**CSMOS**	GE	***** GROUP END CSMOS	3R7	4	0	3,837,254	33:0
1767	97	51	18:07:32.666	176GN6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R7	4	0	3,837,254	50:0
1768	97	51	18:07:44.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5812.08 +/- 2	3R7	4	0	3,837,254	68:0
1769	97	51	18:07:52.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5813.80 +/- 2	3R7	4	0	3,837,254	79:0
1770	**97**	**51**	**18:08:03.999**	**E6ENSEAICE01-**		**-----STOP-------**		**3R7**	**4**	**0**	**: :**	
1771	97	51	18:12:06.666	488AR6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	3R7	4	0	3,837,259	06:0
1772	97	51	18:14:04.000	411JG6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R7	4	0	3,837,261	00:0
1773	97	51	18:14:12.066		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5813.98 +/- 2	3R7	4	0	3,837,261	12:1
1774	97	51	18:14:14.000	411JG6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	3R7	4	0	3,837,261	15:0
1775	97	51	18:15:00.000	488AR6C	6TMSED	NORM,GL5	Sci, Eng, and D/L Chan	3R7	4	0	3,837,261	84:0
1776	97	51	18:15:00.666	282NC432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	3R7	4	0	3,837,261	85:0
1777	97	51	18:15:01.333	282NC432A6A	6RTSL1		R/T Select of DDS and	3R7	4	0	3,837,261	86:0
1778	97	51	18:16:15.333	411JG6C	6TMREC	**NRC**	NO RECORD Record Mode Change	3R7	4	0	3,837,263	15:0
1779	97	51	18:16:16.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5843.02 +/- 2	3R7	4	0	3,837,263	16:0
1780	97	51	18:16:16.000	411JG6D	6DMSC	RDY,0	DMS Control Tape stop	3R7	4	0	3,837,263	16:0
1781	97	51	18:24:04.000	465KC6A	6DTRN	CMD,6DTRN,465KC6	DMS TRACK TURNAROUND	3R7	4	0	3,837,270	81:0
1782	97	51	18:30:00.000	481UC4A	7VECT		Inert vect update UTC	3R7	4	0	3,837,276	69:0
1783	97	51	19:11:47.333	165EC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R7	4	0	3,837,318	08:0
1784	97	51	19:11:48.000	165EC4B	7SCAN	NORM,290.427998,	Check S/P Position	3R7	4	0	3,837,318	09:0
1785	97	51	19:13:38.666	125EC11A	NIMSINIT	GE	##### GROUP END INIT	3R7	4	0	3,837,319	84:0
1786	97	51	19:13:38.666	125EC	NIMSINIT	GS	##### GROUP START INIT	3R7	4	0	3,837,319	84:0
1787	**97**	**51**	**19:13:38.666**	**125EC4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R7**	**4**	**0**	**3,837,319**	**84:0**
1788	97	51	19:14:39.333	127EC	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	0	3,837,320	84:0
1789	**97**	**51**	**19:14:39.333**	**127EC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,837,320**	**84:0**
1790	**97**	**51**	**19:14:40.000**	**127EC4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,837,320**	**85:0**
1791	97	51	19:14:48.000	127EC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,837,321	06:0
1792	97	51	19:15:41.333		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 6025.38 +/-	2R3	4	0	3,837,321	86:0
1793	97	51	19:15:41.333	175EC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,837,321	86:0
1794	97	51	19:15:42.000	117EC	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,837,321	87:0
1795	97	51	19:15:50.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *6026.67 +/-	2R3	4	0	3,837,322	08:9
1796	97	51	19:15:50.666	175EC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,837,322	09:0
1797	97	51	19:15:51.333	117EC105A106A4A	7STRP	0.0102,0.0,0,0,0	Slew =,0.04	2R3	4	0	3,837,322	10:0
1798	**97**	**51**	**19:18:50.666**	**E6INCHEMIS05-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1799	97	51	19:20:08.666	117EC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,837,326	32:0
1800	97	51	19:20:22.666		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5962.91 +/-	2R3	4	0	3,837,326	53:0
1801	97	51	19:20:22.666	175EC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,837,326	53:0
1802	97	51	19:20:22.666	175EC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,837,326	53:0
1803	**97**	**51**	**19:20:51.999**	**E6INCHEMIS05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1804	97	51	19:21:47.333	165GO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,327	89:0
1805	97	51	19:21:48.000	165GO4B	7SCAN	NORM,81.125999,2	Check S/P Position	2R3	4	0	3,837,327	90:0
1806	97	51	19:25:42.000	117GO	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,837,331	77:0
1807	97	51	19:25:51.333	117GO105A106A4A	7STRP	-0.040021,0.0,0,	Slew =,2.01	2R3	4	0	3,837,332	00:0
1808	97	51	19:25:51.333	176GO6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,837,332	00:0
1809	97	51	19:26:14.666	117GO105A106A4B	7STRP	0.040021,0.0015,	Slew =12.01	2R3	4	0	3,837,332	35:0
1810	97	51	19:26:22.000	117GO105A106A4C	7STRP	-0.040021,0.0,0,	Slew =,2.01	2R3	4	0	3,837,332	46:0
1811	97	51	19:26:45.333	117GO105A106A4D	7STRP	0.040021,0.0015,	Slew =12.01	2R3	4	0	3,837,332	81:0
1812	97	51	19:26:52.666	117GO105A106A4E	7STRP	-0.040021,0.0,0,	Slew =,2.01	2R3	4	0	3,837,333	01:0
1813	97	51	19:27:16.000	117GO105A106A4F	7STRP	0.040021,0.0015,	Slew =12.01	2R3	4	0	3,837,333	36:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1814	97	51	19:27:23.333	117GO105A106A4G	7STRP	-0.040021,0.0,0,	Slew =,2.01	2R3	4	0	3,837,333:47:0	
1815	97	51	19:27:46.666	117GO105A106A4H	7STRP	0.040021,0.0015,	Slew =12.01	2R3	4	0	3,837,333:82:0	
1816	97	51	19:27:54.000	117GO105A106A4I	7STRP	-0.040021,0.0,0,	Slew =,2.01	2R3	4	0	3,837,334:02:0	
1817	97	51	19:28:17.333	117GO105A106A4J	7STRP	0.040021,0.0015,	Slew =12.01	2R3	4	0	3,837,334:37:0	
1818	97	51	19:28:24.666	117GO105A106A4K	7STRP	-0.040021,0.0,0,	Slew =,2.01	2R3	4	0	3,837,334:48:0	
1819	97	51	19:28:48.000	117GO105A106A4L	7STRP	0.040021,0.0015,	Slew =12.01	2R3	4	0	3,837,334:83:0	
1820	97	51	19:28:55.333	117GO105A106A4M	7STRP	-0.040021,0.0,0,	Slew =,2.01	2R3	4	0	3,837,335:03:0	
1821	97	51	19:29:18.666	117GO105A106A4N	7STRP	0.040021,0.0015,	Slew =12.01	2R3	4	0	3,837,335:38:0	
1822	97	51	19:29:26.000	117GO105A106A4O	7STRP	-0.040021,0.0,0,	Slew =,2.01	2R3	4	0	3,837,335:49:0	
1823	97	51	19:29:49.333	117GO105A106A4P	7STRP	0.040021,0.0015,	Slew =12.01	2R3	4	0	3,837,335:84:0	
1824	97	51	19:29:56.666	117GO105A106A4Q	7STRP	-0.040021,0.0,0,	Slew =,2.01	2R3	4	0	3,837,336:04:0	
1825	97	51	19:30:20.000	117GO105A106A4R	7STRP	0.040021,0.0015,	Slew =12.01	2R3	4	0	3,837,336:39:0	
1826	97	51	19:30:27.333	117GO105A106A4S	7STRP	-0.040021,0.0,0,	Slew =,2.01	2R3	4	0	3,837,336:50:0	
1827	97	51	19:30:50.666	117GO105A106A4T	7STRP	0.040021,0.0015,	Slew =12.01	2R3	4	0	3,837,336:85:0	
1828	97	51	19:30:58.000	117GO105A106A4U	7STRP	-0.040021,0.0,0,	Slew =,2.01	2R3	4	0	3,837,337:05:0	
1829	97	51	19:31:21.333	117GO105A106A4V	7STRP	0.040021,0.0015,	Slew =12.01	2R3	4	0	3,837,337:40:0	
1830	97	51	19:31:28.666	117GO105A106A4W	7STRP	-0.040021,0.0,0,	Slew =,2.01	2R3	4	0	3,837,337:51:0	
1831	97	51	19:31:52.000	117GO105A106B4A	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,337:86:0	
1832	97	51	19:31:59.333	117GO105A106B4B	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,338:06:0	
1833	97	51	19:33:00.000	117GO105A106B4C	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,339:06:0	
1834	97	51	19:33:07.333	117GO105A106B4D	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,339:17:0	
1835	97	51	19:34:08.000	117GO105A106B4E	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,340:17:0	
1836	97	51	19:34:15.333	117GO105A106B4F	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,340:28:0	
1837	97	51	19:35:16.000	117GO105A106B4G	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,341:28:0	
1838	97	51	19:35:18.666	488AR6D	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	2R3	4	0	3,837,341:32:0	
1839	97	51	19:35:23.333	117GO105A106B4H	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,341:39:0	
1840	97	51	19:36:24.000	117GO105A106B4I	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,342:39:0	
1841	97	51	19:36:31.333	117GO105A106B4J	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,342:50:0	
1842	97	51	19:37:32.000	117GO105A106B4K	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,343:50:0	
1843	97	51	19:37:39.333	117GO105A106B4L	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,343:61:0	
1844	97	51	19:38:26.666		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 5962.85 +/-	2R3	4	0	3,837,344:41:0	
1845	97	51	19:38:40.000	117GO105A106B4M	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,344:61:0	
1846	97	51	19:38:47.333	117GO105A106B4N	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,344:72:0	
1847	97	51	19:38:51.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5960.53 +/-	2R3	4	0	3,837,344:78:0	
1848	97	51	19:39:11.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5955.84 +/-	2R3	4	0	3,837,345:17:0	
1849	97	51	19:39:48.000	117GO105A106B4O	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,345:72:0	
1850	97	51	19:39:55.333	117GO105A106B4P	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,345:83:0	
1851	97	51	19:40:56.000	117GO105A106B4Q	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,346:83:0	
1852	97	51	19:41:03.333	117GO105A106B4R	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,347:03:0	
1853	97	51	19:42:04.000	117GO105A106B4S	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,348:03:0	
1854	97	51	19:42:11.333	117GO105A106B4T	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,348:14:0	
1855	97	51	19:43:12.000	117GO105A106B4U	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,349:14:0	
1856	97	51	19:43:19.333	117GO105A106B4V	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,349:25:0	
1857	97	51	19:44:20.000	117GO105A106B4W	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,350:25:0	
1858	97	51	19:44:27.333	117GO105A106B4X	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,350:36:0	
1859	97	51	19:45:28.000	117GO105A106B4Y	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,351:36:0	
1860	97	51	19:45:35.333	117GO105A106B4Z	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,351:47:0	
1861	97	51	19:46:36.000	117GO105A106B4AA	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,352:47:0	
1862	97	51	19:46:43.333	117GO105A106B4AB	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,352:58:0	
1863	97	51	19:47:44.000	117GO105A106B4AC	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,353:58:0	
1864	97	51	19:47:51.333	117GO105A106B4AD	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,353:69:0	
1865	97	51	19:48:52.000	117GO105A106B4AE	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,354:69:0	
1866	97	51	19:48:59.333	117GO105A106B4AF	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,354:80:0	
1867	97	51	19:50:00.000	117GO105A106B4AG	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,355:80:0	
1868	97	51	19:50:07.333	117GO105A106B4AH	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,356:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	97	51	19:50:40.666	488AR6E	6TMSED	FILL,GL6	Sci, Eng, and D/L Chan	2R3	4	0	3,837,356:50:0	
1870	97	51	19:51:08.000	117GO105A106B4AI	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,357:00:0	
1871	97	51	19:51:15.333	117GO105A106B4AJ	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,357:11:0	
1872	97	51	19:51:28.666		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 5955.78 +/-	2R3	4	0	3,837,357:31:0	
1873	97	51	19:51:53.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5953.47 +/-	2R3	4	0	3,837,357:68:0	
1874	97	51	19:52:13.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5948.78 +/-	2R3	4	0	3,837,358:07:0	
1875	97	51	19:52:16.000	117GO105A106B4AK	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,358:11:0	
1876	97	51	19:52:23.333	117GO105A106B4AL	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,358:22:0	
1877	97	51	19:53:24.000	117GO105A106B4AM	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,359:22:0	
1878	97	51	19:53:31.333	117GO105A106B4AN	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,359:33:0	
1879	97	51	19:54:32.000	117GO105A106B4AO	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,360:33:0	
1880	97	51	19:54:39.333	117GO105A106B4AP	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,360:44:0	
1881	97	51	19:55:40.000	117GO105A106B4AQ	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,361:44:0	
1882	97	51	19:55:47.333	117GO105A106B4AR	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,361:55:0	
1883	97	51	19:56:48.000	117GO105A106B4AS	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,362:55:0	
1884	97	51	19:56:55.333	117GO105A106B4AT	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,362:66:0	
1885	97	51	19:57:56.000	117GO105A106B4AU	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,363:66:0	
1886	97	51	19:58:03.333	117GO105A106B4AV	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,363:77:0	
1887	97	51	19:59:04.000	117GO105A106B4AW	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,364:77:0	
1888	97	51	19:59:11.333	117GO105A106B4AX	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,364:88:0	
1889	97	51	20:00:12.000	117GO105A106B4AY	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,365:88:0	
1890	97	51	20:00:19.333	117GO105A106B4AZ	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,366:08:0	
1891	97	51	20:01:20.000	117GO105A106B4BA	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,367:08:0	
1892	97	51	20:01:27.333	117GO105A106B4BB	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,367:19:0	
1893	97	51	20:02:28.000	117GO105A106B4BC	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,368:19:0	
1894	97	51	20:02:35.333	117GO105A106B4BD	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,368:30:0	
1895	97	51	20:03:36.000	117GO105A106B4BE	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,369:30:0	
1896	97	51	20:03:43.333	117GO105A106B4BF	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,369:41:0	
1897	97	51	20:04:30.666		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 5948.72 +/-	2R3	4	0	3,837,370:21:0	
1898	97	51	20:04:44.000	117GO105A106B4BG	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,370:41:0	
1899	97	51	20:04:51.333	117GO105A106B4BH	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,370:52:0	
1900	97	51	20:04:55.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5946.41 +/-	2R3	4	0	3,837,370:58:0	
1901	97	51	20:05:15.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5941.72 +/-	2R3	4	0	3,837,370:88:0	
1902	97	51	20:05:52.000	117GO105A106B4BI	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,371:52:0	
1903	97	51	20:05:59.333	117GO105A106B4BJ	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,371:63:0	
1904	97	51	20:07:00.000	117GO105A106B4BK	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,372:63:0	
1905	97	51	20:07:00.000	488AS6A	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	2R3	4	0	3,837,372:63:0	
1906	97	51	20:07:07.333	117GO105A106B4BL	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,372:74:0	
1907	97	51	20:08:08.000	117GO105A106B4BM	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,373:74:0	
1908	97	51	20:08:15.333	117GO105A106B4BN	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,373:85:0	
1909	97	51	20:09:16.000	117GO105A106B4BO	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,374:85:0	
1910	97	51	20:09:23.333	117GO105A106B4BP	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,375:05:0	
1911	97	51	20:10:24.000	117GO105A106B4BQ	7STRP	0.044229,0.00135	Slew =12.01	2R3	4	0	3,837,376:05:0	
1912	97	51	20:10:31.333	117GO105A106B4BR	7STRP	-0.044229,0.0,0,	Slew =,2.01	2R3	4	0	3,837,376:16:0	
1913	97	51	20:11:32.000	117GO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,837,377:16:0	
1914	97	51	20:17:33.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 5941.66 +/-	2R3	4	0	3,837,383:12:0	
1915	97	51	20:17:57.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5939.34 +/-	2R3	4	0	3,837,383:49:0	
1916	97	51	20:18:17.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5934.66 +/-	2R3	4	0	3,837,383:79:0	
1917	97	51	20:30:35.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 5934.60 +/-	2R3	4	0	3,837,396:02:0	
1918	97	51	20:30:59.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5932.28 +/-	2R3	4	0	3,837,396:39:0	
1919	97	51	20:31:19.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5927.59 +/-	2R3	4	0	3,837,396:69:0	
1920	97	51	20:43:37.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 5927.53 +/-	2R3	4	0	3,837,408:83:0	
1921	97	51	20:44:01.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5925.22 +/-	2R3	4	0	3,837,409:29:0	
1922	97	51	20:44:21.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5920.53 +/-	2R3	4	0	3,837,409:59:0	
1923	97	51	20:50:02.600	176GO6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,837,415:24:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1924	97	51	20:50:04.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 5920.47 +/-	2R3	4	0	3,837,415:27:0
1925	97	51	20:50:14.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5921.59 +/-	2R3	4	0	3,837,415:42:0
1926	97	51	20:50:27.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5918.62 +/-	2R3	4	0	3,837,415:61:0
1927	97	51	21:01:42.600	175XX422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,837,426:73:0
1928	97	51	21:01:42.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 5918.56 +/-	2R3	4	0	3,837,426:73:0
1929	97	51	21:01:49.933	282ND431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	2R3	4	0	3,837,426:84:0
1930	97	51	21:01:51.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5919.86 +/-	2R3	4	0	3,837,426:86:9
1931	97	51	21:01:51.933	175XX176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,837,426:87:0
1932	97	51	21:01:53.266	165GC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,426:89:0
1933	97	51	21:01:53.933	165GC4B	7SCAN	NORM,341.008999,	Check S/P Position	2R3	4	0	3,837,426:90:0
1934	97	51	21:01:54.600	431OA6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2R3	4	0	3,837,427:00:0
1935	97	51	21:05:47.933	117GC	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,837,430:77:0
1936	97	51	21:05:57.266	117GC105A106A4A	7STRP	-0.039721,-0.003	Slew =,0.17	2R3	4	0	3,837,431:00:0
1937	97	51	21:09:53.266	117GC105A106A4B	7STRP	0.036016,0.00435	Slew =12.01	2R3	4	0	3,837,434:81:0
1938	97	51	21:10:00.600	117GC105A106A4C	7STRP	-0.039721,-0.003	Slew =,0.17	2R3	4	0	3,837,435:01:0
1939	97	51	21:13:56.600	117GC105A106A4D	7STRP	0.036016,0.00435	Slew =12.01	2R3	4	0	3,837,438:82:0
1940	97	51	21:14:03.933	117GC105A106A4E	7STRP	-0.039721,-0.003	Slew =,0.17	2R3	4	0	3,837,439:02:0
1941	97	51	21:17:59.933	117GC105A106A4F	7STRP	0.036016,0.00435	Slew =12.01	2R3	4	0	3,837,442:83:0
1942	97	51	21:18:07.266	117GC105A106A4G	7STRP	-0.039721,-0.003	Slew =,0.17	2R3	4	0	3,837,443:03:0
1943	97	51	21:22:03.266	117GC105A106A4H	7STRP	0.036016,0.00435	Slew =12.01	2R3	4	0	3,837,446:84:0
1944	97	51	21:22:10.600	117GC105A106A4I	7STRP	-0.039721,-0.003	Slew =,0.17	2R3	4	0	3,837,447:04:0
1945	97	51	21:26:06.600	117GC105A106A4J	7STRP	0.036016,0.00435	Slew =12.01	2R3	4	0	3,837,450:85:0
1946	97	51	21:26:13.933	117GC105A106A4K	7STRP	-0.039721,-0.003	Slew =,0.17	2R3	4	0	3,837,451:05:0
1947	97	51	21:28:22.600	488AS6B	6TMSED	NORM,GL5	Sci, Eng, and D/L Chan	2R3	4	0	3,837,453:16:0
1948	97	51	21:30:09.933	117GC105A106A4L	7STRP	0.036016,0.00435	Slew =12.01	2R3	4	0	3,837,454:86:0
1949	97	51	21:30:17.266	117GC105A106A4M	7STRP	-0.039721,-0.003	Slew =,0.17	2R3	4	0	3,837,455:06:0
1950	97	51	21:34:13.266	117GC105A106A4N	7STRP	0.036016,0.00435	Slew =12.01	2R3	4	0	3,837,458:87:0
1951	97	51	21:34:20.600	117GC105A106A4O	7STRP	-0.039721,-0.003	Slew =,0.17	2R3	4	0	3,837,459:07:0
1952	97	51	21:38:16.600	117GC105A106A4P	7STRP	0.036016,0.00435	Slew =12.01	2R3	4	0	3,837,462:88:0
1953	97	51	21:38:23.933	117GC105A106A4Q	7STRP	-0.039721,-0.003	Slew =,0.17	2R3	4	0	3,837,463:08:0
1954	**97**	**51**	**21:40:15.266**	**125FW4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,837,464:84:0**
1955	97	51	21:40:15.266	125FW11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,837,464:84:0
1956	97	51	21:40:15.266	125FW	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,837,464:84:0
1957	**97**	**51**	**21:41:15.933**	**127FW4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,837,465:84:0**
1958	97	51	21:41:15.933	127FW	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,837,465:84:0
1959	**97**	**51**	**21:41:16.600**	**127FW4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,837,465:85:0**
1960	97	51	21:41:24.600	127FW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,837,466:06:0
1961	**97**	**51**	**21:41:40.600**	**432EE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,837,466:30:0**
1962	97	51	21:42:19.933	117GC105A106A4R	7STRP	0.036016,0.00435	Slew =12.01	2R3	4	0	3,837,466:89:0
1963	**97**	**51**	**21:42:25.266**	**E6NNHEALTH03-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1964	97	51	21:42:27.266	117GC105A106A4S	7STRP	-0.039721,-0.003	Slew =,0.17	2R3	4	0	3,837,467:09:0
1965	**97**	**51**	**21:42:39.933**	**432EF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,837,467:28:0**
1966	97	51	21:46:23.266	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,837,470:90:0
1967	97	51	21:47:24.600	432OE431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	3,837,472:00:0
1968	97	51	21:47:25.266	432OE6A	6RTSL1		R/T Select of DDS and	2R3	4	0	3,837,472:01:0
1969	97	51	21:47:26.600	175XX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,837,472:03:0
1970	97	51	21:47:26.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5278.91 +/-	2R3	4	0	3,837,472:03:0
1971	**97**	**51**	**21:47:28.600**	**E6NNHEALTH03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1972	97	51	21:47:32.600	282NE431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	3,837,472:12:0
1973	97	51	21:48:21.933	282NE432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	3,837,472:86:0
1974	97	51	21:48:22.600	282NE432A6A	6RTSL1		R/T Select of DDS and	2R3	4	0	3,837,472:87:0
1975	**97**	**51**	**21:48:29.266**	**E6NIMSP2LD03-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1976	**97**	**51**	**21:49:29.933**	**20EF6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,837,474:06:0**
1977	**97**	**51**	**21:50:30.600**	**20EF5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,837,475:06:0**
1978	**97**	**51**	**21:51:31.266**	**20EF5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,837,476:06:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1979	**97**	**51**	**21:52:31.933**	**20EF6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,837,477:06:0**
1980	97	51	21:53:27.266	165IU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,477:89:0
1981	97	51	21:53:27.933	165IU4B	7SCAN	NORM,357.875,0.0	Check S/P Position	2R3	4	0	3,837,477:90:0
1982	**97**	**51**	**21:53:32.600**	**20EF6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,837,478:06:0**
1983	**97**	**51**	**21:54:33.266**	**20EF5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,837,479:06:0**
1984	**97**	**51**	**21:55:33.933**	**20EF5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,837,480:06:0**
1985	**97**	**51**	**21:56:34.600**	**20EF4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,837,481:06:0**
1986	97	51	21:57:19.933		DMS:	: *US-RUNUP	R806, TRACK 4, REV, TIC 5278.85 +/-	2R0	4	0	3,837,481:74:0
1987	97	51	21:57:19.933	175IS422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R0	4	0	3,837,481:74:0
1988	97	51	21:57:29.933	165IU4C	7VECT		Inert vect update UTC	2R0	4	0	3,837,481:89:0
1989	97	51	21:57:30.600	165IU4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R0	4	0	3,837,481:90:0
1990	97	51	21:57:32.600	175IS176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R0	4	0	3,837,482:02:0
1991	97	51	21:57:33.066		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *5214.26 +/-	2R0	4	0	3,837,482:02:7
1992	97	51	21:57:35.266		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *5160.12 +/-	2R0	4	0	3,837,482:06:0
1993	97	51	21:57:35.266	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,837,482:06:0
1994	**97**	**51**	**21:57:35.266**	**20EF4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,837,482:06:0**
1995	**97**	**51**	**21:58:35.933**	**E6NIMSP2LD03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1996	97	51	22:00:31.933	165ED4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,484:89:0
1997	97	51	22:00:32.600	165ED4B	7SCAN	NORM,346.418999,	Check S/P Position	2R3	4	0	3,837,484:90:0
1998	97	51	22:03:30.600	127ED	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,837,487:84:0
1999	**97**	**51**	**22:03:30.600**	**127ED4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,837,487:84:0**
2000	**97**	**51**	**22:03:31.266**	**127ED4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,837,487:85:0**
2001	97	51	22:03:39.266	127ED11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,837,488:06:0
2002	**97**	**51**	**22:03:39.333**	**E6JNFEA03801-**		**-----START------**		**2R5**	**4**	**1**	**: :**
2003	97	51	22:04:23.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 5148.62 +/-	2R5	4	1	3,837,488:72:0
2004	97	51	22:04:23.266	175ED422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,837,488:72:0
2005	97	51	22:04:26.600	117ED	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,837,488:77:0
2006	97	51	22:04:32.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5149.91 +/-	2R5	4	1	3,837,488:85:9
2007	97	51	22:04:32.600	175ED176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,837,488:86:0
2008	97	51	22:04:35.933	117ED105A106A4A	**7STRP**	**0.044028,0.0,0,0**	**Slew =,0.11**	2R5	4	1	3,837,489:00:0
2009	**97**	**51**	**22:07:32.766**	**E6JNFEA03801-**	**NIMPBK**	**301ED**	**JUPITER FEATURE TRACK 38 DEG PHA**	**2R5**	**4**	**1**	**: :**
2010	97	51	22:11:19.933	117ED105A106A4B	**7STRP**	**-0.055056,0.008,**	**Slew =12.01**	2R5	4	1	3,837,495:60:0
2011	97	51	22:11:39.933	117ED105A106A4C	**7STRP**	**0.044028,0.0,0,0**	**Slew =,0.11**	2R5	4	1	3,837,495:90:0
2012	**97**	**51**	**22:17:48.666**	**E6JNFEA03801-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
2013	**97**	**51**	**22:18:23.432**	**E6JNFEA03801-**	**DESELC**	**300ED**	**JUPITER FEATURE TRACK 38 DEG PHA**	**2R5**	**4**	**1**	**: :**
2014	97	51	22:18:23.933	117ED11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,837,502:59:0
2015	97	51	22:19:07.266	175ED422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,837,503:33:0
2016	97	51	22:19:07.266	175ED6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,837,503:33:0
2017	97	51	22:19:07.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4944.90 +/-	2R5	4	1	3,837,503:33:0
2018	97	51	22:27:49.933	165GE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,837,511:89:0
2019	97	51	22:27:50.600	165GE4B	7SCAN	NORM,345.627998,	Check S/P Position	2R5	4	1	3,837,511:90:0
2020	97	51	22:31:44.600	117GE	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,837,515:77:0
2021	97	51	22:31:53.933	117GE105A106A4A	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,516:00:0
2022	97	51	22:31:53.933	176GE6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,837,516:00:0
2023	97	51	22:32:53.266	117GE105A106A4B	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,516:89:0
2024	97	51	22:33:04.600	117GE105A106A4C	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,517:15:0
2025	97	51	22:34:03.933	117GE105A106A4D	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,518:13:0
2026	97	51	22:34:15.266	117GE105A106A4E	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,518:30:0
2027	97	51	22:35:14.600	117GE105A106A4F	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,519:28:0
2028	97	51	22:35:25.933	117GE105A106A4G	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,519:45:0
2029	97	51	22:36:25.266	117GE105A106A4H	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,520:43:0
2030	97	51	22:36:36.600	117GE105A106A4I	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,520:60:0
2031	97	51	22:37:35.933	117GE105A106A4J	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,521:58:0
2032	97	51	22:37:47.266	117GE105A106A4K	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,521:75:0
2033	97	51	22:38:46.600	117GE105A106A4L	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,522:73:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2034	97	51	22:38:57.933	117GE105A106A4M	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,522:90:0	
2035	97	51	22:39:57.266	117GE105A106A4N	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,523:88:0	
2036	97	51	22:40:08.600	117GE105A106A4O	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,524:14:0	
2037	97	51	22:41:07.933	117GE105A106A4P	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,525:12:0	
2038	97	51	22:41:19.266	117GE105A106A4Q	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,525:29:0	
2039	97	51	22:42:18.600	117GE105A106A4R	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,526:27:0	
2040	97	51	22:42:29.933	117GE105A106A4S	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,526:44:0	
2041	97	51	22:43:29.266	117GE105A106A4T	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,527:42:0	
2042	97	51	22:43:40.600	117GE105A106A4U	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,527:59:0	
2043	97	51	22:44:29.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4944.84 +/-	2R5	4	1	3,837,528:41:0	
2044	97	51	22:44:39.933	117GE105A106A4V	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,528:57:0	
2045	97	51	22:44:51.266	117GE105A106A4W	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,528:74:0	
2046	97	51	22:44:53.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4942.52 +/-	2R5	4	1	3,837,528:78:0	
2047	97	51	22:45:13.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4937.84 +/-	2R5	4	1	3,837,529:17:0	
2048	97	51	22:45:50.600	117GE105A106A4X	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,529:72:0	
2049	97	51	22:46:01.933	117GE105A106A4Y	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,529:89:0	
2050	97	51	22:47:01.266	117GE105A106A4Z	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,530:87:0	
2051	97	51	22:47:12.600	117GE105A106A4AA	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,531:13:0	
2052	97	51	22:48:11.933	117GE105A106A4AB	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,532:11:0	
2053	97	51	22:48:23.266	117GE105A106A4AC	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,532:28:0	
2054	97	51	22:49:22.600	117GE105A106A4AD	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,533:26:0	
2055	97	51	22:49:33.933	117GE105A106A4AE	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,533:43:0	
2056	97	51	22:50:33.266	117GE105A106A4AF	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,534:41:0	
2057	97	51	22:50:44.600	117GE105A106A4AG	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,534:58:0	
2058	97	51	22:51:43.933	117GE105A106A4AH	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,535:56:0	
2059	97	51	22:51:55.266	117GE105A106A4AI	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,535:73:0	
2060	97	51	22:52:54.600	117GE105A106B4A	7STRP	0.014001,-0.0211	Slew =12.01	2R5	4	1	3,837,536:71:0	
2061	97	51	22:53:05.266	117GE105A106B4B	7STRP	0.0,0.021109,0,0	Slew =,0.64	2R5	4	1	3,837,536:87:0	
2062	97	51	22:54:05.933	117GE105A106C4A	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,537:87:0	
2063	97	51	22:54:16.600	117GE105A106C4B	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,538:12:0	
2064	97	51	22:55:17.266	117GE105A106C4C	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,539:12:0	
2065	97	51	22:55:27.933	117GE105A106C4D	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,539:28:0	
2066	97	51	22:56:28.600	117GE105A106C4E	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,540:28:0	
2067	97	51	22:56:39.266	117GE105A106C4F	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,540:44:0	
2068	97	51	22:57:31.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4937.78 +/-	2R5	4	1	3,837,541:31:0	
2069	97	51	22:57:39.933	117GE105A106C4G	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,541:44:0	
2070	97	51	22:57:50.600	117GE105A106C4H	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,541:60:0	
2071	97	51	22:57:55.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4935.46 +/-	2R5	4	1	3,837,541:68:0	
2072	97	51	22:58:15.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4930.77 +/-	2R5	4	1	3,837,542:07:0	
2073	97	51	22:58:51.266	117GE105A106C4I	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,542:60:0	
2074	97	51	22:59:01.933	117GE105A106C4J	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,542:76:0	
2075	97	51	23:00:02.600	117GE105A106C4K	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,543:76:0	
2076	97	51	23:00:13.266	117GE105A106C4L	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,544:01:0	
2077	97	51	23:01:13.933	117GE105A106C4M	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,545:01:0	
2078	97	51	23:01:24.600	117GE105A106C4N	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,545:17:0	
2079	97	51	23:02:25.266	117GE105A106C4O	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,546:17:0	
2080	97	51	23:02:35.933	117GE105A106C4P	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,546:33:0	
2081	97	51	23:03:36.600	117GE105A106C4Q	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,547:33:0	
2082	97	51	23:03:47.266	117GE105A106C4R	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,547:49:0	
2083	97	51	23:04:47.933	117GE105A106C4S	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,548:49:0	
2084	97	51	23:04:58.600	117GE105A106C4T	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,548:65:0	
2085	97	51	23:05:59.266	117GE105A106C4U	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,549:65:0	
2086	97	51	23:06:09.933	117GE105A106C4V	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,549:81:0	
2087	97	51	23:07:10.600	117GE105A106C4W	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,550:81:0	
2088	97	51	23:07:21.266	117GE105A106C4X	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,551:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2089	97	51	23:08:21.933	117GE105A106C4Y	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,552:06:0	
2090	97	51	23:08:32.600	117GE105A106C4Z	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,552:22:0	
2091	97	51	23:09:33.266	117GE105A106C4AA	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,553:22:0	
2092	97	51	23:09:43.933	117GE105A106C4AB	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,553:38:0	
2093	97	51	23:10:33.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4930.71 +/-	2R5	4	1	3,837,554:21:0	
2094	97	51	23:10:44.600	117GE105A106C4AC	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,554:38:0	
2095	97	51	23:10:55.266	117GE105A106C4AD	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,554:54:0	
2096	97	51	23:10:57.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4928.40 +/-	2R5	4	1	3,837,554:58:0	
2097	97	51	23:11:17.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4923.71 +/-	2R5	4	1	3,837,554:88:0	
2098	97	51	23:11:55.933	117GE105A106C4AE	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,555:54:0	
2099	97	51	23:12:06.600	117GE105A106C4AF	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,555:70:0	
2100	97	51	23:13:07.266	117GE105A106C4AG	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,556:70:0	
2101	97	51	23:13:17.933	117GE105A106C4AH	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,556:86:0	
2102	97	51	23:14:18.600	117GE105A106D4A	7STRP	0.01,-0.021108,0	Slew =12.01	2R5	4	1	3,837,557:86:0	
2103	97	51	23:14:29.266	117GE105A106D4B	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,558:11:0	
2104	97	51	23:15:29.933	117GE105A106E4A	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,559:11:0	
2105	97	51	23:15:40.600	117GE105A106E4B	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,559:27:0	
2106	97	51	23:16:41.266	117GE105A106E4C	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,560:27:0	
2107	97	51	23:16:51.933	117GE105A106E4D	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,560:43:0	
2108	97	51	23:17:52.600	117GE105A106E4E	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,561:43:0	
2109	97	51	23:18:03.266	117GE105A106E4F	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,561:59:0	
2110	97	51	23:19:03.933	117GE105A106E4G	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,562:59:0	
2111	97	51	23:19:14.600	117GE105A106E4H	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,562:75:0	
2112	97	51	23:20:15.266	117GE105A106E4I	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,563:75:0	
2113	97	51	23:20:25.933	117GE105A106E4J	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,564:00:0	
2114	97	51	23:21:26.600	117GE105A106E4K	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,565:00:0	
2115	97	51	23:21:37.266	117GE105A106E4L	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,565:16:0	
2116	97	51	23:22:37.933	117GE105A106E4M	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,566:16:0	
2117	97	51	23:22:48.600	117GE105A106E4N	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,566:32:0	
2118	97	51	23:23:35.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4923.65 +/-	2R5	4	1	3,837,567:12:0	
2119	97	51	23:23:49.266	117GE105A106E4O	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,567:32:0	
2120	97	51	23:23:59.933	117GE105A106E4P	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,567:48:0	
2121	97	51	23:23:59.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4921.49 +/-	2R5	4	1	3,837,567:48:0	
2122	97	51	23:24:19.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4916.80 +/-	2R5	4	1	3,837,567:78:0	
2123	97	51	23:25:00.600	117GE105A106E4Q	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,568:48:0	
2124	97	51	23:25:11.266	117GE105A106E4R	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,568:64:0	
2125	97	51	23:26:11.933	117GE105A106E4S	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,569:64:0	
2126	97	51	23:26:22.600	117GE105A106E4T	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,569:80:0	
2127	97	51	23:27:23.266	117GE105A106E4U	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,570:80:0	
2128	97	51	23:27:33.933	117GE105A106E4V	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,571:05:0	
2129	97	51	23:28:34.600	117GE105A106E4W	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,572:05:0	
2130	97	51	23:28:45.266	117GE105A106E4X	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,572:21:0	
2131	97	51	23:29:45.933	117GE105A106E4Y	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,573:21:0	
2132	97	51	23:29:56.600	117GE105A106E4Z	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,573:37:0	
2133	97	51	23:30:57.266	117GE105A106E4AA	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,574:37:0	
2134	97	51	23:31:07.933	117GE105A106E4AB	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,574:53:0	
2135	97	51	23:32:08.600	117GE105A106E4AC	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,575:53:0	
2136	97	51	23:32:19.266	117GE105A106E4AD	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,575:69:0	
2137	97	51	23:33:19.933	117GE105A106E4AE	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,576:69:0	
2138	97	51	23:33:30.600	117GE105A106E4AF	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,576:85:0	
2139	97	51	23:34:31.266	117GE105A106E4AG	7STRP	-0.0024,-0.02130	Slew =12.01	2R5	4	1	3,837,577:85:0	
2140	97	51	23:34:41.933	117GE105A106E4AH	7STRP	0.0,0.021108,0,0	Slew =,0.64	2R5	4	1	3,837,578:10:0	
2141	97	51	23:35:42.600	117GE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,837,579:10:0	
2142	97	51	23:35:55.266	176GE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,837,579:29:0	
2143	97	51	23:35:57.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4916.74 +/-	2R5	4	1	3,837,579:32:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2144	97	51	23:36:07.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4917.87 +/-	2R5	4	1	3,837,579:47:0
2145	97	51	23:36:25.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4913.49 +/-	2R5	4	1	3,837,579:75:0
2146	97	51	23:37:35.933	165JT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,837,580:89:0
2147	97	51	23:37:36.600	165JT4B	7SCAN	NORM,318.227997,	Check S/P Position	2R5	4	1	3,837,580:90:0
2148	97	51	23:41:27.266	175IT422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R5	4	1	3,837,584:72:0
2149	97	51	23:41:27.266		DMS:	: *US-RUNUP	R806, TRACK 4, REV, TIC 4913.43 +/-	2R5	4	1	3,837,584:72:0
2150	97	51	23:41:38.600	165JT4C	7VECT		Inert vect update UTC	2R5	4	1	3,837,584:89:0
2151	97	51	23:41:39.266	165JT4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,837,584:90:0
2152	97	51	23:41:39.933	175IT176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R5	4	1	3,837,585:00:0
2153	97	51	23:41:40.400		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *4848.85 +/-	2R5	4	1	3,837,585:00:7
2154	97	51	23:41:49.266		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *4630.64 +/-	2R5	4	1	3,837,585:14:0
2155	97	51	23:41:49.266	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,837,585:14:0
2156	97	51	23:53:46.600	165GP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,837,596:89:0
2157	97	51	23:53:47.266	165GP4B	7SCAN	NORM,319.898998,	Check S/P Position	2R5	4	1	3,837,596:90:0
2158	97	51	23:57:41.266	117GP	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,837,600:77:0
2159	97	51	23:57:50.600	117GP105A106A4A	7STRP	0.0,0.006003,0,0	Slew =,2.01	2R5	4	1	3,837,601:00:0
2160	97	51	23:57:50.600	176GP6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,837,601:00:0
2161	97	51	23:58:12.600	117GP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,837,601:33:0
2162	97	51	23:58:23.933	176GP6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,837,601:50:0
2163	97	51	23:58:25.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4619.14 +/-	2R5	4	1	3,837,601:53:0
2164	97	51	23:58:35.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4620.27 +/-	2R5	4	1	3,837,601:68:0
2165	97	51	23:58:43.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4618.55 +/-	2R5	4	1	3,837,601:79:0
2166	97	52	00:29:59.933	488AS6C	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2R5	4	1	3,837,632:73:0
2167	97	52	00:30:00.600	282NF432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R5	4	1	3,837,632:74:0
2168	97	52	00:30:01.266	282NF432A6A	6RTSL1		R/T Select of DDS and	2R5	4	1	3,837,632:75:0
2169	97	52	01:21:44.600	165IV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,837,683:89:0
2170	97	52	01:21:45.266	165IV4B	7SCAN	NORM,263.960999,	Check S/P Position	2R5	4	1	3,837,683:90:0
2171	97	52	01:25:47.266	165IV4C	7VECT		Inert vect update UTC	2R5	4	1	3,837,687:89:0
2172	97	52	01:25:47.933	165IV4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,837,687:90:0
2173	97	52	01:26:23.266	175IU422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,837,688:52:0
2174	97	52	01:26:23.266		DMS:	: *US-RUNUP	R115, TRACK 4, REV, TIC 4618.49 +/-	2R5	4	1	3,837,688:52:0
2175	97	52	01:26:35.133		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4613.60 +/- 1	2R5	4	1	3,837,688:69:8
2176	97	52	01:26:35.266	175IU176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,837,688:70:0
2177	97	52	01:27:50.600	175IU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,837,690:01:0
2178	97	52	01:27:50.600		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4348.29 +/- 1	2R5	4	1	3,837,690:01:0
2179	**97**	**52**	**03:57:32.666**	**E6INCHEMIS06-**		**-----START------**		**2R5**	**4**	**1**	**: :**
2180	97	52	03:58:27.933	165EE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,837,838:89:0
2181	97	52	03:58:28.600	165EE4B	7SCAN	NORM,344.632999,	Check S/P Position	2R5	4	1	3,837,838:90:0
2182	97	52	04:01:26.600	127EE	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,837,841:84:0
2183	**97**	**52**	**04:01:26.600**	**127EE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,837,841:84:0**
2184	**97**	**52**	**04:01:27.266**	**127EE4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,837,841:85:0**
2185	97	52	04:01:35.266	127EE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,837,842:06:0
2186	97	52	04:02:19.266	175EE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,837,842:72:0
2187	97	52	04:02:19.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4347.29 +/- 1	2R3	4	0	3,837,842:72:0
2188	97	52	04:02:22.600	117EE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,837,842:77:0
2189	97	52	04:02:28.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4348.58 +/- 1	2R3	4	0	3,837,842:85:9
2190	97	52	04:02:28.600	175EE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,837,842:86:0
2191	97	52	04:02:31.933	117EE105A106A4A	**7STRP**	**-0.0097,0.0,0,0,**	**Slew =,0.06**	2R3	4	0	3,837,843:00:0
2192	**97**	**52**	**04:02:32.086**	**E6INCHEMIS06-**	**NIMPBK**	**301EE**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
2193	97	52	04:03:02.600	488AT6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2R3	4	0	3,837,843:46:0
2194	**97**	**52**	**04:04:37.333**	**E6INTHRMAL01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2195	**97**	**52**	**04:04:37.333**	**E6INCHEMIS06-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2196	97	52	04:05:15.933	117EE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,837,845:64:0
2197	**97**	**52**	**04:05:16.086**	**E6INCHEMIS06-**	**DESELC**	**300EE**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
2198	97	52	04:05:27.266	175EE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,837,845:81:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2199	97	52	04:05:27.266	175EE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,837,845:81:0
2200	97	52	04:05:27.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4306.69 +/- 1	2R3	4	0	3,837,845:81:0
2201	97	52	04:06:33.266	165EF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,837,846:89:0
2202	97	52	04:06:33.933	165EF4B	7SCAN	NORM,345.367996,	Check S/P Position	2R3	4	0	3,837,846:90:0
2203	**97**	**52**	**04:08:31.266**	**125EF4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,837,848:84:0**
2204	97	52	04:08:31.266	125EF	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,837,848:84:0
2205	97	52	04:08:31.266	125EF11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,837,848:84:0
2206	**97**	**52**	**04:09:31.933**	**127EF4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,837,849:84:0**
2207	97	52	04:09:31.933	127EF	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,837,849:84:0
2208	**97**	**52**	**04:09:32.600**	**127EF4B**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,837,849:85:0**
2209	97	52	04:09:40.600	127EF11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,837,850:06:0
2210	97	52	04:10:24.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4306.63 +/- 1	4R3	4	0	3,837,850:72:0
2211	97	52	04:10:24.600	175EF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,837,850:72:0
2212	97	52	04:10:27.933	117EF	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,837,850:77:0
2213	97	52	04:10:33.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4307.93 +/- 1	4R3	4	0	3,837,850:85:9
2214	97	52	04:10:33.933	175EF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,837,850:86:0
2215	97	52	04:10:37.266	117EF105A106A4A	**7STRP**	**-0.004,0.0,0,0,0**	**Slew =,0.06**	4R3	4	0	3,837,851:00:0
2216	**97**	**52**	**04:10:41.333**	**E6INTHRMAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
2217	97	52	04:11:46.600	117EF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,837,852:13:0
2218	97	52	04:11:57.266	175EF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,837,852:29:0
2219	97	52	04:11:57.266	175EF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,837,852:29:0
2220	97	52	04:11:57.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4288.38 +/- 1	4R3	4	0	3,837,852:29:0
2221	**97**	**52**	**04:22:49.333**	**E6NNHNDARK03-**		**-----START------**		**4R3**	**4**	**0**	**: :**
2222	97	52	04:23:44.600	165EG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,837,863:89:0
2223	97	52	04:23:45.266	165EG4B	7SCAN	NORM,234.0,-11.5	Check S/P Position	4R3	4	0	3,837,863:90:0
2224	**97**	**52**	**04:26:43.266**	**127EG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,837,866:84:0**
2225	97	52	04:26:43.266	127EG	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,837,866:84:0
2226	**97**	**52**	**04:26:43.933**	**127EG4B**	**37ETB**	**07,C7,05,FF,FF,3**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,837,866:85:0**
2227	97	52	04:26:51.933	127EG11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,837,867:06:0
2228	97	52	04:27:35.933	175EG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,837,867:72:0
2229	97	52	04:27:35.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4288.32 +/- 1	4R3	4	0	3,837,867:72:0
2230	97	52	04:27:45.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4289.61 +/- 1	4R3	4	0	3,837,867:85:9
2231	97	52	04:27:45.266	175EG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,837,867:86:0
2232	**97**	**52**	**04:27:48.752**	**E6NNHNDARK03-**	**NIMPBK**	**301EG**	**DARK OBSERVATION**	**4R3**	**4**	**0**	**: :**
2233	**97**	**52**	**04:28:49.418**	**E6NNHNDARK03-**	**DESELC**	**300EG**	**DARK OBSERVATION**	**4R3**	**4**	**0**	**: :**
2234	97	52	04:29:01.266	175EG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,837,869:18:0
2235	97	52	04:29:01.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4271.79 +/- 1	4R3	4	0	3,837,869:18:0
2236	97	52	04:29:01.266	175EG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,837,869:18:0
2237	**97**	**52**	**04:29:53.999**	**E6NNHNDARK03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
2238	97	52	04:33:51.266	165GQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,837,873:89:0
2239	97	52	04:33:51.933	165GQ4B	7SCAN	NORM,348.065998,	Check S/P Position	4R3	4	0	3,837,873:90:0
2240	97	52	04:37:45.933	117GQ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,837,877:77:0
2241	97	52	04:37:55.266	176GQ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,837,878:00:0
2242	97	52	04:37:55.266	117GQ105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.61	4R3	4	0	3,837,878:00:0
2243	97	52	04:38:17.266	117GQ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,837,878:33:0
2244	97	52	04:38:28.600	176GQ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,837,878:50:0
2245	97	52	04:38:30.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4271.73 +/- 1	4R3	4	0	3,837,878:53:0
2246	97	52	04:38:40.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4272.85 +/- 1	4R3	4	0	3,837,878:68:0
2247	97	52	04:38:47.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4271.13 +/- 1	4R3	4	0	3,837,878:79:0
2248	97	52	04:58:30.600	488AT6B	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	4R3	4	0	3,837,898:33:0
2249	97	52	04:59:59.933	481UD4A	7VECT	BB1	Inert vect update UTC	4R3	4	0	3,837,899:76:0
2250	97	52	05:22:57.933	488AT6C	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	4R3	4	0	3,837,922:50:0
2251	97	52	05:39:02.600	488AT6D	6TMSED	FILL,CL1	Sci, Eng, and D/L Chan	4R3	4	0	3,837,938:41:0
2252	97	52	06:13:57.266	165GR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,837,972:89:0
2253	97	52	06:13:57.933	165GR4B	7SCAN	NORM,357.105,-0.	Check S/P Position	4R3	4	0	3,837,972:90:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2254	97	52	06:15:18.600	488AT6E	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	4R3	4	0	3,837,974:29:0
2255	97	52	06:17:51.933	117GR	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,837,976:77:0
2256	97	52	06:18:01.266	176GR6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,837,977:00:0
2257	97	52	06:18:01.266	117GR105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.61	4R3	4	0	3,837,977:00:0
2258	97	52	06:18:23.266	117GR11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,837,977:33:0
2259	97	52	06:18:34.600	176GR6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,837,977:50:0
2260	97	52	06:18:36.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4271.07 +/- 1	4R3	4	0	3,837,977:53:0
2261	97	52	06:18:46.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4272.19 +/- 1	4R3	4	0	3,837,977:68:0
2262	97	52	06:18:53.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4270.47 +/- 1	4R3	4	0	3,837,977:79:0
2263	97	52	06:19:59.933	488AU6A	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,837,978:87:0
2264	97	52	06:37:09.933	488AV6A	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,837,995:85:0
2265	97	52	06:45:14.600	125FV11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,838,003:84:0
2266	97	52	06:45:14.600	125FV	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,838,003:84:0
2267	**97**	**52**	**06:45:14.600**	**125FV4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,838,003:84:0**
2268	**97**	**52**	**06:45:23.266**	**E6NNHEALTH04-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2269	97	52	06:46:15.266	127FV	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,838,004:84:0
2270	**97**	**52**	**06:46:15.266**	**127FV4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,838,004:84:0**
2271	**97**	**52**	**06:46:15.933**	**127FV4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,838,004:85:0**
2272	97	52	06:46:23.933	127FV11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,838,005:06:0
2273	**97**	**52**	**06:46:39.933**	**432EG6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,838,005:30:0**
2274	**97**	**52**	**06:47:39.266**	**432EH6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,838,006:28:0**
2275	**97**	**52**	**06:50:26.600**	**E6NNHEALTH04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2276	**97**	**52**	**06:50:26.600**	**E6NIMSP2LD04-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2277	**97**	**52**	**06:51:27.266**	**20EG6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,838,010:06:0**
2278	**97**	**52**	**06:52:27.933**	**20EG5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,838,011:06:0**
2279	**97**	**52**	**06:53:28.600**	**20EG5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,838,012:06:0**
2280	**97**	**52**	**06:54:29.266**	**20EG6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,838,013:06:0**
2281	**97**	**52**	**06:55:29.933**	**20EG6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,838,014:06:0**
2282	**97**	**52**	**06:56:30.600**	**20EG5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,838,015:06:0**
2283	**97**	**52**	**06:57:31.266**	**20EG5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,838,016:06:0**
2284	**97**	**52**	**06:58:31.933**	**20EG4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,838,017:06:0**
2285	**97**	**52**	**06:59:32.600**	**20EG4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,838,018:06:0**
2286	**97**	**52**	**07:00:33.266**	**E6NIMSP2LD04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2287	**97**	**52**	**07:01:33.933**	**E6JNFEA09501-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2288	97	52	07:02:29.266	165EH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,838,020:89:0
2289	97	52	07:02:29.933	165EH4B	7SCAN	NORM,32.71,11.83	Check S/P Position	2R3	4	0	3,838,020:90:0
2290	97	52	07:04:27.266	125EH11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,838,022:84:0
2291	**97**	**52**	**07:04:27.266**	**125EH4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,838,022:84:0**
2292	97	52	07:04:27.266	125EH	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,838,022:84:0
2293	97	52	07:05:27.933	127EH	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,838,023:84:0
2294	**97**	**52**	**07:05:27.933**	**127EH4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,838,023:84:0**
2295	**97**	**52**	**07:05:28.600**	**127EH4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,838,023:85:0**
2296	97	52	07:05:36.600	127EH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,838,024:06:0
2297	97	52	07:06:20.600	175EH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,838,024:72:0
2298	97	52	07:06:20.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4270.41 +/- 1	2R5	4	1	3,838,024:72:0
2299	97	52	07:06:23.933	117EH	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,838,024:77:0
2300	97	52	07:06:29.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4271.71 +/- 1	2R5	4	1	3,838,024:85:9
2301	97	52	07:06:29.933	175EH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,838,024:86:0
2302	97	52	07:06:33.266	117EH105A106A4A	**7STRP**	**0.0109,0.0,0,0,0**	**Slew =,0.11**	2R5	4	1	3,838,025:00:0
2303	**97**	**52**	**07:06:33.413**	**E6JNFEA09501-**	**NIMPBK**	**301EH**	**JUPITER FEATURE TRACK 95 DEG PHA**	**2R5**	**4**	**1**	**: :**
2304	97	52	07:08:13.266	117EH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,838,026:59:0
2305	**97**	**52**	**07:08:13.413**	**E6JNFEA09501-**	**DESELC**	**300EH**	**JUPITER FEATURE TRACK 95 DEG PHA**	**2R5**	**4**	**1**	**: :**
2306	97	52	07:08:24.600	175EH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,838,026:76:0
2307	97	52	07:08:24.600	175EH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,838,026:76:0
2308	97	52	07:08:24.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4244.82 +/- 1	2R5	4	1	3,838,026:76:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2309	97	52	07:08:33.266	165GS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,838,026	89:0
2310	97	52	07:08:33.933	165GS4B	7SCAN	NORM,32.14,11.85	Check S/P Position	2R5	4	1	3,838,026	90:0
2311	**97**	**52**	**07:08:38.600**	**E6JNFEA09501-**		**-----STOP-------**		**2R5**	**4**	**1**	**:**	**:**
2312	97	52	07:12:27.933	117GS	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,838,030	77:0
2313	97	52	07:12:37.266	117GS105A106A4A	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,031	00:0
2314	97	52	07:12:37.266	176GS6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,838,031	00:0
2315	97	52	07:13:47.933	117GS105A106A4B	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,032	15:0
2316	97	52	07:13:58.600	117GS105A106A4C	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,032	31:0
2317	97	52	07:15:09.266	117GS105A106A4D	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,033	46:0
2318	97	52	07:15:19.933	117GS105A106A4E	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,033	62:0
2319	97	52	07:16:30.600	117GS105A106A4F	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,034	77:0
2320	97	52	07:16:41.266	117GS105A106A4G	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,035	02:0
2321	97	52	07:17:51.933	117GS105A106A4H	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,036	17:0
2322	97	52	07:18:02.600	117GS105A106A4I	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,036	33:0
2323	97	52	07:19:13.266	117GS105A106A4J	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,037	48:0
2324	97	52	07:19:23.933	117GS105A106A4K	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,037	64:0
2325	97	52	07:20:34.600	117GS105A106A4L	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,038	79:0
2326	97	52	07:20:45.266	117GS105A106A4M	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,039	04:0
2327	97	52	07:21:55.933	117GS105A106A4N	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,040	19:0
2328	97	52	07:22:06.600	117GS105A106A4O	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,040	35:0
2329	97	52	07:23:17.266	117GS105A106A4P	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,041	50:0
2330	97	52	07:23:27.933	117GS105A106A4Q	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,041	66:0
2331	97	52	07:24:38.600	117GS105A106A4R	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,042	81:0
2332	97	52	07:24:49.266	117GS105A106A4S	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,043	06:0
2333	97	52	07:25:12.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4244.76 +/- 1	2R5	4	1	3,838,043	41:0
2334	97	52	07:25:37.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4242.44 +/- 1	2R5	4	1	3,838,043	78:0
2335	97	52	07:25:57.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4237.76 +/- 1	2R5	4	1	3,838,044	17:0
2336	97	52	07:25:59.933	117GS105A106A4T	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,044	21:0
2337	97	52	07:26:10.600	117GS105A106A4U	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,044	37:0
2338	97	52	07:27:21.266	117GS105A106A4V	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,045	52:0
2339	97	52	07:27:31.933	117GS105A106A4W	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,045	68:0
2340	97	52	07:28:42.600	117GS105A106A4X	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,046	83:0
2341	97	52	07:28:53.266	117GS105A106A4Y	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,047	08:0
2342	97	52	07:30:03.933	117GS105A106A4Z	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,048	23:0
2343	97	52	07:30:14.600	117GS105A106A4AA	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,048	39:0
2344	97	52	07:31:25.266	117GS105A106A4AB	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,049	54:0
2345	97	52	07:31:35.933	117GS105A106A4AC	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,049	70:0
2346	97	52	07:32:46.600	117GS105A106A4AD	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,050	85:0
2347	97	52	07:32:57.266	117GS105A106A4AE	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,051	10:0
2348	97	52	07:34:07.933	117GS105A106A4AF	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,052	25:0
2349	97	52	07:34:18.600	117GS105A106A4AG	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,052	41:0
2350	97	52	07:35:29.266	117GS105A106A4AH	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,053	56:0
2351	97	52	07:35:39.933	117GS105A106A4AI	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,053	72:0
2352	97	52	07:36:50.600	117GS105A106A4AJ	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,054	87:0
2353	97	52	07:37:01.266	117GS105A106A4AK	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,055	12:0
2354	97	52	07:38:11.933	117GS105A106A4AL	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,056	27:0
2355	97	52	07:38:14.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4237.70 +/- 1	2R5	4	1	3,838,056	31:0
2356	97	52	07:38:22.600	117GS105A106A4AM	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,056	43:0
2357	97	52	07:38:39.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4235.38 +/- 1	2R5	4	1	3,838,056	68:0
2358	97	52	07:38:59.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4230.69 +/- 1	2R5	4	1	3,838,057	07:0
2359	97	52	07:39:33.266	117GS105A106A4AN	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,057	58:0
2360	97	52	07:39:43.933	117GS105A106A4AO	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,057	74:0
2361	97	52	07:40:54.600	117GS105A106A4AP	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,058	89:0
2362	97	52	07:41:05.266	117GS105A106A4AQ	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,059	14:0
2363	97	52	07:42:15.933	117GS105A106A4AR	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,060	29:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2364	97	52	07:42:26.600	117GS105A106A4AS	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,060:45:0	
2365	97	52	07:43:37.266	117GS105A106A4AT	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,061:60:0	
2366	97	52	07:43:47.933	117GS105A106A4AU	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,061:76:0	
2367	97	52	07:44:58.600	117GS105A106A4AV	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,063:00:0	
2368	97	52	07:45:09.266	117GS105A106A4AW	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,063:16:0	
2369	97	52	07:46:19.933	117GS105A106A4AX	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,064:31:0	
2370	97	52	07:46:30.600	117GS105A106A4AY	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,064:47:0	
2371	97	52	07:47:41.266	117GS105A106A4AZ	7STRP	-0.002,-0.01118,	Slew =12.01	2R5	4	1	3,838,065:62:0	
2372	97	52	07:47:51.933	117GS105A106A4BA	7STRP	0.0,0.01115,0,0,	Slew =,0.16	2R5	4	1	3,838,065:78:0	
2373	97	52	07:49:02.600	176GS6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,838,067:02:0	
2374	97	52	07:49:02.600	117GS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,838,067:02:0	
2375	97	52	07:49:04.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4230.63 +/- 1	2R5	4	1	3,838,067:05:0	
2376	**97**	**52**	**07:49:05.266**	**E6JNFEA09502-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2377	97	52	07:49:14.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4231.76 +/- 1	2R5	4	1	3,838,067:20:0	
2378	97	52	07:49:31.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4227.85 +/- 1	2R5	4	1	3,838,067:45:0	
2379	97	52	07:50:00.600	165EI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,838,067:89:0	
2380	97	52	07:50:01.266	165EI4B	7SCAN	NORM,33.848,12.2	Check S/P Position	2R5	4	1	3,838,067:90:0	
2381	97	52	07:53:51.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4227.79 +/- 1	2R5	4	1	3,838,071:72:0	
2382	97	52	07:53:51.933	175EI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,838,071:72:0	
2383	97	52	07:53:55.266	117EI	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,838,071:77:0	
2384	97	52	07:54:01.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4229.08 +/- 1	2R5	4	1	3,838,071:85:9	
2385	97	52	07:54:01.266	175EI176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,838,071:86:0	
2386	97	52	07:54:04.600	117EI105A106A4A	**7STRP**	**0.0109,0.0,0,0,0**	**Slew =,0.11**	2R5	4	1	3,838,072:00:0	
2387	**97**	**52**	**07:54:04.744**	**E6JNFEA09502-**	**NIMPBK**	**301EI**	**JUPITER FEATURE TRACK 95 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2388	97	52	07:55:44.600	117EI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,838,073:59:0	
2389	**97**	**52**	**07:55:44.744**	**E6JNFEA09502-**	**DESELC**	**300EI**	**JUPITER FEATURE TRACK 95 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2390	97	52	07:55:55.933	175EI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,838,073:76:0	
2391	97	52	07:55:55.933	175EI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,838,073:76:0	
2392	97	52	07:55:55.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4202.19 +/- 1	2R5	4	1	3,838,073:76:0	
2393	**97**	**52**	**07:56:09.933**	**E6JNFEA09502-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2394	**97**	**52**	**08:01:13.266**	**E6JNFEA09503-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2395	97	52	08:02:08.600	165EJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,838,079:89:0	
2396	97	52	08:02:09.266	165EJ4B	7SCAN	NORM,34.213,12.3	Check S/P Position	2R5	4	1	3,838,079:90:0	
2397	97	52	08:05:59.933	175EJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,838,083:72:0	
2398	97	52	08:05:59.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4202.13 +/- 1	2R5	4	1	3,838,083:72:0	
2399	97	52	08:06:03.266	117EJ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,838,083:77:0	
2400	97	52	08:06:09.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4203.43 +/- 1	2R5	4	1	3,838,083:85:9	
2401	97	52	08:06:09.266	175EJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,838,083:86:0	
2402	97	52	08:06:12.600	117EJ105A106A4A	**7STRP**	**0.0109,0.0,0,0,0**	**Slew =,0.11**	2R5	4	1	3,838,084:00:0	
2403	**97**	**52**	**08:06:12.744**	**E6JNFEA09503-**	**NIMPBK**	**301EJ**	**JUPITER FEATURE TRACK 95 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2404	**97**	**52**	**08:07:52.077**	**E6JNFEA09503-**	**DESELC**	**300EJ**	**JUPITER FEATURE TRACK 95 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2405	97	52	08:07:52.600	117EJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,838,085:59:0	
2406	97	52	08:07:53.933	175EJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,838,085:61:0	
2407	97	52	08:07:53.933	175EJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,838,085:61:0	
2408	97	52	08:07:53.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4178.88 +/- 1	2R5	4	1	3,838,085:61:0	
2409	**97**	**52**	**08:08:17.933**	**E6JNFEA09503-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2410	97	52	08:10:13.933	165IW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,838,087:89:0	
2411	97	52	08:10:14.600	165IW4B	7SCAN	NORM,7.023,3.696	Check S/P Position	2R5	4	1	3,838,087:90:0	
2412	97	52	08:14:15.266	175IV422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R5	4	1	3,838,091:87:0	
2413	97	52	08:14:15.266		DMS:	: *US-RUNUP	R806, TRACK 4, REV, TIC 4178.82 +/- 1	2R5	4	1	3,838,091:87:0	
2414	97	52	08:14:16.600	165IW4C	7VECT		Inert vect update UTC	2R5	4	1	3,838,091:89:0	
2415	97	52	08:14:17.266	165IW4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,838,091:90:0	
2416	**97**	**52**	**08:14:21.999**	**E6INVOLCAN01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2417	97	52	08:14:27.933	175IV176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R5	4	1	3,838,092:15:0	
2418	97	52	08:14:28.400		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *4114.23 +/- 1	2R5	4	1	3,838,092:15:7	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2419	97	52	08:14:33.266	175IV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,838,092:23:0	
2420	97	52	08:14:33.266		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *3994.47 +/- 1	2R5	4	1	3,838,092:23:0	
2421	97	52	08:15:17.266	165EK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,838,092:89:0	
2422	97	52	08:15:17.933	165EK4B	7SCAN	NORM,7.268,4.013	Check S/P Position	2R5	4	1	3,838,092:90:0	
2423	**97**	**52**	**08:17:15.266**	**125EK4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**3,838,094:84:0**	
2424	97	52	08:17:15.266	125EK	NIMSINIT	GS	##### GROUP START INIT	4R5	4	1	3,838,094:84:0	
2425	97	52	08:17:15.266	125EK11A	NIMSINIT	GE	##### GROUP END INIT	4R5	4	1	3,838,094:84:0	
2426	**97**	**52**	**08:18:15.933**	**127EK4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,838,095:84:0**	
2427	97	52	08:18:15.933	127EK	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,838,095:84:0	
2428	**97**	**52**	**08:18:16.600**	**127EK4B**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,838,095:85:0**	
2429	97	52	08:18:24.600	127EK11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,838,096:06:0	
2430	97	52	08:19:08.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3982.97 +/- 1	4R3	4	0	3,838,096:72:0	
2431	97	52	08:19:08.600	175EK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,838,096:72:0	
2432	97	52	08:19:11.933	117EK	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,096:77:0	
2433	97	52	08:19:17.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3984.26 +/- 1	4R3	4	0	3,838,096:85:9	
2434	97	52	08:19:17.933	175EK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,838,096:86:0	
2435	97	52	08:19:21.266	117EK105A106A4A	**7STRP**	**-0.003,0.0,0,0,0**	**Slew =,0.04**	4R3	4	0	3,838,097:00:0	
2436	**97**	**52**	**08:19:21.410**	**E6INVOLCAN01-**	**NIMPBK**	**301EK**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**	
2437	**97**	**52**	**08:20:25.999**	**E6INVOLCAN01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2438	97	52	08:20:37.266	117EK11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,098:23:0	
2439	**97**	**52**	**08:20:37.410**	**E6INVOLCAN01-**	**DESELC**	**300EK**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**	
2440	97	52	08:20:48.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3963.00 +/- 1	4R3	4	0	3,838,098:40:0	
2441	97	52	08:20:48.600	175EK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,098:40:0	
2442	97	52	08:20:48.600	175EK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,838,098:40:0	
2443	97	52	08:25:23.933	165GT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,102:89:0	
2444	97	52	08:25:24.600	165GT4B	7SCAN	NORM,80.740999,2	Check S/P Position	4R3	4	0	3,838,102:90:0	
2445	97	52	08:29:18.600	117GT	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,106:77:0	
2446	97	52	08:29:27.933	117GT105A106A4A	7STRP	0.0,-0.006,0,0,0	Slew =,0.61	4R3	4	0	3,838,107:00:0	
2447	97	52	08:29:27.933	176GT6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,838,107:00:0	
2448	97	52	08:29:49.933	117GT11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,107:33:0	
2449	97	52	08:30:01.266	176GT6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,107:50:0	
2450	97	52	08:30:03.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3962.94 +/- 1	4R3	4	0	3,838,107:53:0	
2451	97	52	08:30:13.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3964.06 +/- 1	4R3	4	0	3,838,107:68:0	
2452	97	52	08:30:20.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3962.34 +/- 1	4R3	4	0	3,838,107:79:0	
2453	**97**	**52**	**08:31:33.266**	**E6JNFEA53M01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2454	97	52	08:39:33.266	165EL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,116:89:0	
2455	97	52	08:39:33.933	165EL4B	7SCAN	NORM,34.802,12.6	Check S/P Position	4R3	4	0	3,838,116:90:0	
2456	97	52	08:42:31.933	127EL	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,838,119:84:0	
2457	**97**	**52**	**08:42:31.933**	**127EL4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,838,119:84:0**	
2458	**97**	**52**	**08:42:32.600**	**127EL4B**	**37ETB**		**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,838,119:85:0**	
2459	97	52	08:42:40.600	127EL11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,838,120:06:0	
2460	97	52	08:43:24.600	175EL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,838,120:72:0	
2461	97	52	08:43:24.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3962.28 +/- 1	4R3	4	0	3,838,120:72:0	
2462	97	52	08:43:27.933	117EL	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,120:77:0	
2463	97	52	08:43:33.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3963.58 +/- 1	4R3	4	0	3,838,120:85:9	
2464	97	52	08:43:33.933	175EL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,838,120:86:0	
2465	97	52	08:43:37.266	117EL105A106A4A	**7STRP**	**0.0108,0.0,0,0,0**	**Slew =,0.03**	4R3	4	0	3,838,121:00:0	
2466	**97**	**52**	**08:43:37.410**	**E6JNFEA53M01-**	**NIMPBK**	**301EL**	**JUPITER CAMPAIGN FEATURE 5 AND 3**	**4R3**	**4**	**0**	**: :**	
2467	97	52	08:45:29.266	488AV6B	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,838,122:77:0	
2468	97	52	08:49:41.266	117EL105A106A4B	**7STRP**	**-0.0114,0.0,0,0,**	**Slew =12.01**	4R3	4	0	3,838,127:00:0	
2469	**97**	**52**	**08:49:41.409**	**E6JNFEA53M01-**	**DESELC**	**300EL**	**JUPITER CAMPAIGN FEATURE 5 AND 3**	**4R3**	**4**	**0**	**: :**	
2470	97	52	08:49:52.600	175EL422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,838,127:17:0	
2471	97	52	08:49:52.600	175EL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,127:17:0	
2472	97	52	08:49:52.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3874.81 +/- 1	4R3	4	0	3,838,127:17:0	
2473	**97**	**52**	**08:50:45.933**	**E6JNFEA53M01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2474	97	52	08:51:42.600	117EL105A106A4C	**7STRP**	**0.0108,0.0,0,0,0**	**Slew =,0.03**	4R3	4	0	3,838,129:00:0	
2475	97	52	08:57:46.600	117EL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,135:00:0	
2476	97	52	08:58:45.933	165GG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,135:89:0	
2477	97	52	08:58:46.600	165GG4B	7SCAN	NORM,35.61,13.95	Check S/P Position	4R3	4	0	3,838,135:90:0	
2478	97	52	08:59:38.600	117GG	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,136:77:0	
2479	97	52	08:59:47.933	117GG105A106A4A	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,137:00:0	
2480	97	52	08:59:47.933	176GG6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,838,137:00:0	
2481	97	52	09:01:01.266	117GG105A106A4B	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,138:19:0	
2482	97	52	09:01:09.266	117GG105A106A4C	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,138:31:0	
2483	97	52	09:02:22.600	117GG105A106A4D	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,139:50:0	
2484	97	52	09:02:30.600	117GG105A106A4E	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,139:62:0	
2485	97	52	09:03:43.933	117GG105A106A4F	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,140:81:0	
2486	97	52	09:03:51.933	117GG105A106A4G	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,141:02:0	
2487	97	52	09:05:05.266	117GG105A106A4H	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,142:21:0	
2488	97	52	09:05:13.266	117GG105A106A4I	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,142:33:0	
2489	97	52	09:06:26.600	117GG105A106A4J	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,143:52:0	
2490	97	52	09:06:34.600	117GG105A106A4K	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,143:64:0	
2491	97	52	09:07:47.933	117GG105A106A4L	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,144:83:0	
2492	97	52	09:07:55.933	117GG105A106A4M	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,145:04:0	
2493	97	52	09:09:09.266	117GG105A106A4N	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,146:23:0	
2494	97	52	09:09:17.266	117GG105A106A4O	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,146:35:0	
2495	97	52	09:10:30.600	117GG105A106A4P	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,147:54:0	
2496	97	52	09:10:38.600	117GG105A106A4Q	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,147:66:0	
2497	97	52	09:11:51.933	117GG105A106A4R	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,148:85:0	
2498	97	52	09:11:59.933	117GG105A106A4S	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,149:06:0	
2499	97	52	09:12:23.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3874.75 +/- 1	4R3	4	0	3,838,149:41:0	
2500	97	52	09:12:47.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3872.44 +/- 1	4R3	4	0	3,838,149:78:0	
2501	97	52	09:13:07.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3867.75 +/- 1	4R3	4	0	3,838,150:17:0	
2502	97	52	09:13:13.266	117GG105A106A4T	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,150:25:0	
2503	97	52	09:13:21.266	117GG105A106A4U	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,150:37:0	
2504	97	52	09:14:34.600	117GG105A106A4V	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,151:56:0	
2505	97	52	09:14:42.600	117GG105A106A4W	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,151:68:0	
2506	97	52	09:15:55.933	117GG105A106A4X	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,152:87:0	
2507	97	52	09:16:03.933	117GG105A106A4Y	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,153:08:0	
2508	97	52	09:17:17.266	117GG105A106A4Z	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,154:27:0	
2509	97	52	09:17:25.266	117GG105A106A4AA	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,154:39:0	
2510	97	52	09:18:38.600	117GG105A106A4AB	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,155:58:0	
2511	97	52	09:18:46.600	117GG105A106A4AC	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,155:70:0	
2512	97	52	09:19:59.933	117GG105A106A4AD	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,156:89:0	
2513	97	52	09:20:07.933	117GG105A106A4AE	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,157:10:0	
2514	97	52	09:21:21.266	117GG105A106A4AF	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,158:29:0	
2515	97	52	09:21:29.266	117GG105A106A4AG	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,158:41:0	
2516	97	52	09:22:42.600	117GG105A106A4AH	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,159:60:0	
2517	97	52	09:22:50.600	117GG105A106A4AI	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,159:72:0	
2518	97	52	09:24:03.933	117GG105A106A4AJ	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,161:00:0	
2519	97	52	09:24:11.933	117GG105A106A4AK	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,161:12:0	
2520	97	52	09:25:25.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3867.69 +/- 1	4R3	4	0	3,838,162:31:0	
2521	97	52	09:25:25.266	117GG105A106A4AL	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,162:31:0	
2522	97	52	09:25:33.266	117GG105A106A4AM	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,162:43:0	
2523	97	52	09:25:49.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3865.37 +/- 1	4R3	4	0	3,838,162:68:0	
2524	97	52	09:26:09.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3860.69 +/- 1	4R3	4	0	3,838,163:07:0	
2525	97	52	09:26:46.600	117GG105A106A4AN	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,163:62:0	
2526	97	52	09:26:54.600	117GG105A106A4AO	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,163:74:0	
2527	97	52	09:28:07.933	117GG105A106A4AP	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,165:02:0	
2528	97	52	09:28:15.933	117GG105A106A4AQ	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,165:14:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2529	97	52	09:29:29.266	117GG105A106A4AR	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,166:33:0
2530	97	52	09:29:37.266	117GG105A106A4AS	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,166:45:0
2531	97	52	09:30:50.600	117GG105A106A4AT	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,167:64:0
2532	97	52	09:30:58.600	117GG105A106A4AU	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,167:76:0
2533	97	52	09:32:11.933	117GG105A106A4AV	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,169:04:0
2534	97	52	09:32:19.933	117GG105A106A4AW	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,169:16:0
2535	97	52	09:33:33.266	117GG105A106A4AX	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,170:35:0
2536	97	52	09:33:41.266	117GG105A106A4AY	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,170:47:0
2537	97	52	09:34:54.600	117GG105A106A4AZ	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,171:66:0
2538	97	52	09:35:02.600	117GG105A106A4BA	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,171:78:0
2539	97	52	09:36:15.933	117GG105A106A4BB	7STRP	0.044028,0.001,0	Slew =12.01	4R3	4	0	3,838,173:06:0
2540	97	52	09:36:23.933	117GG105A106A4BC	7STRP	-0.044529,0.0,0,	Slew =,0.64	4R3	4	0	3,838,173:18:0
2541	97	52	09:37:07.933	125FU11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,838,173:84:0
2542	97	52	09:37:07.933	125FU	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,838,173:84:0
2543	**97**	**52**	**09:37:07.933**	**125FU4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,838,173:84:0**
2544	**97**	**52**	**09:37:16.666**	**E6NNHEALTH05-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2545	97	52	09:37:37.266	117GG105A106A4BD	7STRP	0.044028,0.001,0	Slew =12.01	2R3	4	0	3,838,174:37:0
2546	97	52	09:37:45.266	117GG105A106A4BE	7STRP	-0.044529,0.0,0,	Slew =,0.64	2R3	4	0	3,838,174:49:0
2547	97	52	09:38:08.600	127FU	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,838,174:84:0
2548	**97**	**52**	**09:38:08.600**	**127FU4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,838,174:84:0**
2549	**97**	**52**	**09:38:09.266**	**127FU4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,838,174:85:0**
2550	97	52	09:38:17.266	127FU11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,838,175:06:0
2551	97	52	09:38:27.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3860.63 +/- 1	2R3	4	0	3,838,175:21:0
2552	**97**	**52**	**09:38:33.266**	**432EI6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,838,175:30:0**
2553	97	52	09:38:51.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3858.31 +/- 1	2R3	4	0	3,838,175:58:0
2554	97	52	09:38:58.600	117GG105A106A4BF	7STRP	0.044028,0.001,0	Slew =12.01	2R3	4	0	3,838,175:68:0
2555	97	52	09:39:06.600	117GG105A106A4BG	7STRP	-0.044529,0.0,0,	Slew =,0.64	2R3	4	0	3,838,175:80:0
2556	97	52	09:39:11.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3853.62 +/- 1	2R3	4	0	3,838,175:88:0
2557	**97**	**52**	**09:39:32.600**	**432EJ6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,838,176:28:0**
2558	97	52	09:40:19.933	117GG105A106A4BH	7STRP	0.044028,0.001,0	Slew =12.01	2R3	4	0	3,838,177:08:0
2559	97	52	09:40:27.933	117GG105A106A4BI	7STRP	-0.044529,0.0,0,	Slew =,0.64	2R3	4	0	3,838,177:20:0
2560	97	52	09:41:41.266	117GG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,838,178:39:0
2561	**97**	**52**	**09:42:19.999**	**E6NNHEALTH05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2562	**97**	**52**	**09:42:19.999**	**E6NIMSP2LD05-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2563	**97**	**52**	**09:43:20.600**	**20EI6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,838,180:06:0**
2564	**97**	**52**	**09:44:21.266**	**20EI5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,838,181:06:0**
2565	**97**	**52**	**09:45:21.933**	**20EI5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,838,182:06:0**
2566	**97**	**52**	**09:46:22.600**	**20EI6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,838,183:06:0**
2567	**97**	**52**	**09:47:23.266**	**20EI6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,838,184:06:0**
2568	**97**	**52**	**09:48:23.933**	**20EI5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,838,185:06:0**
2569	**97**	**52**	**09:49:24.600**	**20EI5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,838,186:06:0**
2570	**97**	**52**	**09:50:25.266**	**20EI4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,838,187:06:0**
2571	97	52	09:51:21.933	176GG6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R0	4	0	3,838,188:00:0
2572	97	52	09:51:23.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3853.56 +/- 1	2R0	4	0	3,838,188:03:0
2573	**97**	**52**	**09:51:25.933**	**20EI4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,838,188:06:0**
2574	97	52	09:51:33.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3854.69 +/- 1	2R3	4	0	3,838,188:18:0
2575	97	52	09:51:52.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3850.31 +/- 1	2R3	4	0	3,838,188:46:0
2576	**97**	**52**	**09:52:26.666**	**E6NIMSP2LD05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2577	**97**	**52**	**09:53:27.333**	**E6INVOLCAN02-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2578	97	52	09:56:23.933	165EM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,838,192:89:0
2579	97	52	09:56:24.600	165EM4B	7SCAN	NORM,15.277,7.67	Check S/P Position	2R3	4	0	3,838,192:90:0
2580	**97**	**52**	**09:57:21.266**	**125EM4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,838,193:84:0**
2581	97	52	09:57:21.266	125EM11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,838,193:84:0
2582	97	52	09:57:21.266	125EM	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,838,193:84:0
2583	**97**	**52**	**09:58:21.933**	**127EM4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,838,194:84:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2584	97	52	09:58:21.933	127EM	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,838,194:84:0	
2585	**97**	**52**	**09:58:22.600**	**127EM4B**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,838,194:85:0**	
2586	97	52	09:58:30.600	127EM11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,838,195:06:0	
2587	**97**	**52**	**09:58:30.666**	**E6INVOLCAN02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2588	97	52	09:59:14.600	175EM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,838,195:72:0	
2589	97	52	09:59:14.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3850.25 +/- 1	4R3	4	0	3,838,195:72:0	
2590	97	52	09:59:17.933	117EM	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,195:77:0	
2591	97	52	09:59:23.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3851.54 +/- 1	4R3	4	0	3,838,195:85:9	
2592	97	52	09:59:23.933	175EM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,838,195:86:0	
2593	97	52	09:59:27.266	117EM105A106A4A	**7STRP**	**-0.0038,0.0,0,0,**	**Slew =,0.04**	4R3	4	0	3,838,196:00:0	
2594	97	52	10:01:03.933	117EM11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,197:54:0	
2595	97	52	10:01:15.266	175EM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,197:71:0	
2596	97	52	10:01:15.266	175EM422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,838,197:71:0	
2597	97	52	10:01:15.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3825.44 +/- 1	4R3	4	0	3,838,197:71:0	
2598	**97**	**52**	**10:01:32.600**	**E6JNFEA5UM01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2599	97	52	10:02:27.933	165EN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,198:89:0	
2600	97	52	10:02:28.600	165EN4B	7SCAN	NORM,37.205,13.6	Check S/P Position	4R3	4	0	3,838,198:90:0	
2601	**97**	**52**	**10:04:25.933**	**125EN4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,838,200:84:0**	
2602	97	52	10:04:25.933	125EN11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,838,200:84:0	
2603	97	52	10:04:25.933	125EN	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,838,200:84:0	
2604	**97**	**52**	**10:05:26.600**	**127EN4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,838,201:84:0**	
2605	97	52	10:05:26.600	127EN	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,838,201:84:0	
2606	**97**	**52**	**10:05:27.266**	**127EN4B**	**37ETB**	**,CD,02,03,FF,1A,**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,838,201:85:0**	
2607	97	52	10:05:35.266	127EN11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,838,202:06:0	
2608	97	52	10:06:19.266	175EN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,838,202:72:0	
2609	97	52	10:06:19.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3825.38 +/- 1	4R3	4	0	3,838,202:72:0	
2610	97	52	10:06:22.600	117EN	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,202:77:0	
2611	97	52	10:06:28.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3826.67 +/- 1	4R3	4	0	3,838,202:85:9	
2612	97	52	10:06:28.600	175EN176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,838,202:86:0	
2613	97	52	10:06:31.933	117EN105A106A4A	**7STRP**	**0.0108,0.0,0,0,0**	**Slew =,0.03**	4R3	4	0	3,838,203:00:0	
2614	**97**	**52**	**10:06:32.073**	**E6JNFEA5UM01-**	**NIMPBK**	**301EN**	**JUPITER FEATURE TRACK 5 MICRON M**	**4R3**	**4**	**0**	**: :**	
2615	97	52	10:12:35.933	117EN11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,209:00:0	
2616	**97**	**52**	**10:12:36.072**	**E6JNFEA5UM01-**	**DESELC**	**300EN**	**JUPITER FEATURE TRACK 5 MICRON M**	**4R3**	**4**	**0**	**: :**	
2617	**97**	**52**	**10:12:39.933**	**E6JNFEA5UM01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2618	97	52	10:12:47.266	175EN6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,209:17:0	
2619	97	52	10:12:47.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3737.90 +/- 1	4R3	4	0	3,838,209:17:0	
2620	97	52	10:12:47.266	175EN422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,838,209:17:0	
2621	**97**	**52**	**10:36:55.999**	**E6INVOLCAN03-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2622	97	52	10:37:51.266	165EO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,233:89:0	
2623	97	52	10:37:51.933	165EO4B	7SCAN	NORM,18.508,9.10	Check S/P Position	4R3	4	0	3,838,233:90:0	
2624	**97**	**52**	**10:39:49.266**	**127EO4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,838,235:84:0**	
2625	97	52	10:39:49.266	127EO	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,838,235:84:0	
2626	**97**	**52**	**10:39:49.933**	**127EO4B**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,838,235:85:0**	
2627	97	52	10:39:57.933	127EO11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,838,236:06:0	
2628	97	52	10:40:41.933	175EO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,838,236:72:0	
2629	97	52	10:40:41.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3737.84 +/- 1	4R3	4	0	3,838,236:72:0	
2630	97	52	10:40:45.266	117EO	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,236:77:0	
2631	97	52	10:40:51.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3739.14 +/- 1	4R3	4	0	3,838,236:85:9	
2632	97	52	10:40:51.266	175EO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,838,236:86:0	
2633	97	52	10:40:54.600	117EO105A106A4A	**7STRP**	**-0.00222,0.0,0,0**	**Slew =,0.04**	4R3	4	0	3,838,237:00:0	
2634	**97**	**52**	**10:40:58.666**	**E6INVOLCAN03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2635	97	52	10:41:51.266	117EO11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,237:85:0	
2636	97	52	10:42:02.600	175EO422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,838,238:11:0	
2637	97	52	10:42:02.600	175EO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,238:11:0	
2638	97	52	10:42:02.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3722.40 +/- 1	4R3	4	0	3,838,238:11:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2639	**97**	**52**	**11:02:12.600**	**E6JNTHRMNS01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2640	97	52	11:03:07.933	165EP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,258:89:0	
2641	97	52	11:03:08.600	165EP4B	7SCAN	NORM,41.483,22.0	Check S/P Position	4R3	4	0	3,838,258:90:0	
2642	**97**	**52**	**11:06:06.600**	**127EP4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,838,261:84:0**	
2643	97	52	11:06:06.600	127EP	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,838,261:84:0	
2644	**97**	**52**	**11:06:07.266**	**127EP4B**	**37ETB**		**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,838,261:85:0**	
2645	97	52	11:06:15.266	127EP11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,838,262:06:0	
2646	97	52	11:06:59.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3722.34 +/- 1	4R3	4	0	3,838,262:72:0	
2647	97	52	11:06:59.266	175EP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,838,262:72:0	
2648	97	52	11:07:02.600	117EP	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,262:77:0	
2649	97	52	11:07:08.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3723.64 +/- 1	4R3	4	0	3,838,262:85:9	
2650	97	52	11:07:08.600	175EP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,838,262:86:0	
2651	97	52	11:07:11.933	117EP105A106A4A	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,263:00:0	
2652	**97**	**52**	**11:07:12.070**	**E6JNTHRMNS01-**	**NIMPBK**	**301EP**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
2653	97	52	11:08:21.266	117EP105A106A4B	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,264:13:0	
2654	97	52	11:08:37.933	117EP105A106A4C	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,264:38:0	
2655	97	52	11:09:47.266	117EP105A106A4D	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,265:51:0	
2656	97	52	11:10:03.933	117EP105A106A4E	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,265:76:0	
2657	97	52	11:11:13.266	117EP105A106A4F	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,266:89:0	
2658	97	52	11:11:29.933	117EP105A106A4G	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,267:23:0	
2659	97	52	11:12:39.266	117EP105A106A4H	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,268:36:0	
2660	97	52	11:12:55.933	117EP105A106A4I	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,268:61:0	
2661	97	52	11:14:05.266	117EP105A106A4J	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,269:74:0	
2662	97	52	11:14:21.933	117EP105A106A4K	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,270:08:0	
2663	97	52	11:15:31.266	117EP105A106A4L	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,271:21:0	
2664	97	52	11:15:47.933	117EP105A106A4M	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,271:46:0	
2665	97	52	11:16:57.266	117EP105A106A4N	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,272:59:0	
2666	97	52	11:17:13.933	117EP105A106A4O	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,272:84:0	
2667	97	52	11:18:23.266	117EP105A106A4P	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,274:06:0	
2668	97	52	11:18:39.933	117EP105A106A4Q	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,274:31:0	
2669	97	52	11:19:49.266	117EP105A106A4R	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,275:44:0	
2670	97	52	11:20:05.933	117EP105A106A4S	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,275:69:0	
2671	97	52	11:21:15.266	117EP105A106A4T	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,276:82:0	
2672	97	52	11:21:31.933	117EP105A106A4U	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,277:16:0	
2673	97	52	11:22:41.266	117EP105A106A4V	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,278:29:0	
2674	97	52	11:22:57.933	117EP105A106A4W	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,278:54:0	
2675	97	52	11:24:07.266	117EP105A106A4X	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,279:67:0	
2676	97	52	11:24:23.933	117EP105A106A4Y	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,280:01:0	
2677	**97**	**52**	**11:24:24.070**	**E6JNTHRMNS01-**	**NIMPBK**	**301FM**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
2678	**97**	**52**	**11:24:32.737**	**E6JNTHRMNS01-**	**DESELC**	**300EP**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
2679	97	52	11:25:33.266	117EP105A106A4Z	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,281:14:0	
2680	97	52	11:25:49.933	117EP105A106A4AA	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,281:39:0	
2681	97	52	11:26:59.266	117EP105A106A4AB	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,282:52:0	
2682	97	52	11:27:15.933	117EP105A106A4AC	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,282:77:0	
2683	97	52	11:28:25.266	117EP105A106A4AD	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,283:90:0	
2684	97	52	11:28:41.933	117EP105A106A4AE	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,284:24:0	
2685	**97**	**52**	**11:28:42.069**	**E6JNTHRMNS01-**	**DESELC**	**300FM**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
2686	97	52	11:29:51.266	117EP105A106A4AF	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,285:37:0	
2687	97	52	11:30:07.933	117EP105A106A4AG	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,285:62:0	
2688	97	52	11:31:17.266	117EP105A106A4AH	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,286:75:0	
2689	97	52	11:31:33.933	117EP105A106A4AI	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,287:09:0	
2690	97	52	11:32:43.266	117EP105A106A4AJ	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,288:22:0	
2691	97	52	11:32:59.933	117EP105A106A4AK	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,288:47:0	
2692	97	52	11:34:09.266	117EP105A106A4AL	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,289:60:0	
2693	97	52	11:34:25.933	117EP105A106A4AM	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,289:85:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2694	97	52	11:35:35.266	117EP105A106A4AN	**7STRP**	**-0.002,0.0071,0,**	**Slew =12.01**	4R3	4	0	3,838,291:07:0	
2695	97	52	11:35:51.933	117EP105A106A4AO	**7STRP**	**0.002,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	3,838,291:32:0	
2696	97	52	11:37:01.266	117EP11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,292:45:0	
2697	97	52	11:37:12.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3300.81 +/- 1	4R3	4	0	3,838,292:62:0	
2698	97	52	11:37:12.600	175EP422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,838,292:62:0	
2699	97	52	11:37:12.600	175EP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,292:62:0	
2700	**97**	**52**	**11:38:36.600**	**E6JNTHRMNS01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2701	97	52	11:39:31.933	165IJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,294:89:0	
2702	97	52	11:39:32.600	165IJ4B	7SCAN	NORM,306.382999,	Check S/P Position	4R3	4	0	3,838,294:90:0	
2703	97	52	11:43:24.600		DMS:	: *US-RUNUP	R115, TRACK 4, REV, TIC 3300.75 +/- 1	4R3	4	0	3,838,298:74:0	
2704	97	52	11:43:24.600	175IW422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,838,298:74:0	
2705	97	52	11:43:27.933	118IJ	**SMOS**	GS		4R3	4	0	3,838,298:79:0	
2706	97	52	11:43:34.600	165IJ4C	7VECT		Inert vect update UTC	4R3	4	0	3,838,298:89:0	
2707	97	52	11:43:35.266	165IJ4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	4R3	4	0	3,838,298:90:0	
2708	97	52	11:43:36.466		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3295.86 +/- 1	4R3	4	0	3,838,299:00:8	
2709	97	52	11:43:36.600	175IW176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,838,299:01:0	
2710	97	52	11:43:37.933	118IJ110A111A4A	7STRP	-0.007,-0.00025,	Slew =12.01	4R3	4	0	3,838,299:03:0	
2711	97	52	11:43:53.266	118IJ110A111A4B	7STRP	0.0074,-0.00727,	Slew =13.01	4R3	4	0	3,838,299:26:0	
2712	97	52	11:44:08.600	118IJ110A111A4C	7STRP	-0.007,-0.00025,	Slew =12.01	4R3	4	0	3,838,299:49:0	
2713	97	52	11:44:23.933	118IJ11A	**SMOS**	GE		4R3	4	0	3,838,299:72:0	
2714	97	52	11:44:37.266		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3082.11 +/- 1	4R3	4	0	3,838,300:01:0	
2715	97	52	11:44:37.266	175IW422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,838,300:01:0	
2716	97	52	11:51:41.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3081.11 +/- 1	4R3	4	0	3,838,307:00:0	
2717	97	52	11:51:41.266	411JH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,838,307:00:0	
2718	97	52	11:51:50.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3082.41 +/- 1	4R3	4	0	3,838,307:13:9	
2719	97	52	11:51:51.266	411JH6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	3,838,307:15:0	
2720	97	52	11:53:52.600	411JH6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,309:15:0	
2721	97	52	11:53:55.266	175TG176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	3,838,309:19:0	
2722	97	52	11:53:55.933	175TG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,838,309:20:0	
2723	97	52	11:54:02.600	175TG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,838,309:30:0	
2724	97	52	11:54:02.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3051.46 +/- 1	4R3	4	0	3,838,309:30:0	
2725	97	52	11:57:43.933	165GW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,312:89:0	
2726	97	52	11:57:44.600	165GW4B	7SCAN	NORM,74.929,22.9	Check S/P Position	4R3	4	0	3,838,312:90:0	
2727	97	52	12:01:38.600	117GW	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,316:77:0	
2728	97	52	12:01:47.933	176GW6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,838,317:00:0	
2729	97	52	12:01:47.933	117GW105A106A4A	7STRP	0.0,-0.006,0,0,0	Slew =,0.61	4R3	4	0	3,838,317:00:0	
2730	97	52	12:02:09.933	117GW11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,317:33:0	
2731	97	52	12:02:21.266	176GW6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,317:50:0	
2732	97	52	12:02:23.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3051.40 +/- 1	4R3	4	0	3,838,317:53:0	
2733	97	52	12:02:33.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3052.52 +/- 1	4R3	4	0	3,838,317:68:0	
2734	97	52	12:02:40.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3050.80 +/- 1	4R3	4	0	3,838,317:79:0	
2735	97	52	12:02:47.266	165GX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,317:89:0	
2736	97	52	12:02:47.933	165GX4B	7SCAN	NORM,308.907997,	Check S/P Position	4R3	4	0	3,838,317:90:0	
2737	97	52	12:06:41.933	117GX	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,321:77:0	
2738	97	52	12:06:51.266	176GX6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,838,322:00:0	
2739	97	52	12:06:51.266	117GX105A106A4A	7STRP	0.0,0.006027,0,0	Slew =0,7.5	4R3	4	0	3,838,322:00:0	
2740	97	52	12:07:13.266	117GX11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,322:33:0	
2741	97	52	12:07:24.600	176GX6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,322:50:0	
2742	97	52	12:07:26.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3050.74 +/- 1	4R3	4	0	3,838,322:53:0	
2743	97	52	12:07:36.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3051.86 +/- 1	4R3	4	0	3,838,322:68:0	
2744	97	52	12:07:43.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3050.14 +/- 1	4R3	4	0	3,838,322:79:0	
2745	97	52	12:48:31.266	488AW6A	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,838,363:19:0	
2746	97	52	13:55:49.933	488AW6B	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,838,429:71:0	
2747	97	52	14:47:35.933	165GY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,480:89:0	
2748	97	52	14:47:36.600	165GY4B	7SCAN	NORM,56.05,17.31	Check S/P Position	4R3	4	0	3,838,480:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2749	97	52	14:51:30.600	117GY	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,484:77:0	
2750	97	52	14:51:39.933	176GY6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,838,485:00:0	
2751	97	52	14:51:39.933	117GY105A106A4A	7STRP	-0.022004,-0.050	Slew =0,0.1	4R3	4	0	3,838,485:00:0	
2752	97	52	15:00:45.933	117GY105A106B4A	7STRP	0.0,-0.0005,0,0,	Slew =12.01	4R3	4	0	3,838,494:00:0	
2753	97	52	15:00:56.600	117GY105A106B4B	7STRP	0.002,-0.045035,	Slew =0,0.1	4R3	4	0	3,838,494:16:0	
2754	97	52	15:03:12.600	488AW6C	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,838,496:38:0	
2755	97	52	15:04:15.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3050.08 +/- 1	4R3	4	0	3,838,497:41:0	
2756	97	52	15:04:39.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3047.77 +/- 1	4R3	4	0	3,838,497:78:0	
2757	97	52	15:04:59.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3043.08 +/- 1	4R3	4	0	3,838,498:17:0	
2758	97	52	15:09:01.933	117GY105A106C4A	7STRP	0.0,-0.0005,0,0,	Slew =12.01	4R3	4	0	3,838,502:16:0	
2759	97	52	15:09:12.600	117GY105A106C4B	7STRP	0.015501,-0.0430	Slew =0,0.1	4R3	4	0	3,838,502:32:0	
2760	97	52	15:16:53.933	176GY6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,509:87:0	
2761	97	52	15:16:53.933	117GY11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,509:87:0	
2762	97	52	15:16:55.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3043.02 +/- 1	4R3	4	0	3,838,509:90:0	
2763	97	52	15:17:05.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3044.14 +/- 1	4R3	4	0	3,838,510:14:0	
2764	97	52	15:17:24.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3039.77 +/- 1	4R3	4	0	3,838,510:42:0	
2765	97	52	15:29:59.933	488AW6D	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	4R3	4	0	3,838,522:83:0	
2766	97	52	15:49:10.600	488AW6E	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	4R3	4	0	3,838,541:80:0	
2767	97	52	15:56:19.266	488AX6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	4R3	4	0	3,838,548:86:0	
2768	**97**	**52**	**15:59:28.600**	**E6NNHEALTH06-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2769	97	52	16:01:21.266	125FT11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,838,553:84:0	
2770	97	52	16:01:21.266	125FT	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,838,553:84:0	
2771	**97**	**52**	**16:01:21.266**	**125FT4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,838,553:84:0**	
2772	97	52	16:02:21.933	127FT	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,838,554:84:0	
2773	**97**	**52**	**16:02:21.933**	**127FT4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,838,554:84:0**	
2774	**97**	**52**	**16:02:22.600**	**127FT4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,838,554:85:0**	
2775	97	52	16:02:30.600	127FT11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,838,555:06:0	
2776	**97**	**52**	**16:02:46.600**	**432EK6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,838,555:30:0**	
2777	**97**	**52**	**16:03:45.933**	**432EL6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,838,556:28:0**	
2778	**97**	**52**	**16:04:31.933**	**E6NIMSP2LD06-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2779	**97**	**52**	**16:04:31.933**	**E6NNHEALTH06-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2780	**97**	**52**	**16:06:33.266**	**20EJ6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,838,559:06:0**	
2781	**97**	**52**	**16:07:33.933**	**20EJ5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,838,560:06:0**	
2782	**97**	**52**	**16:08:34.600**	**20EJ5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,838,561:06:0**	
2783	**97**	**52**	**16:09:35.266**	**20EJ6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,838,562:06:0**	
2784	**97**	**52**	**16:10:35.933**	**20EJ6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,838,563:06:0**	
2785	**97**	**52**	**16:11:36.600**	**20EJ5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,838,564:06:0**	
2786	**97**	**52**	**16:12:37.266**	**20EJ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,838,565:06:0**	
2787	**97**	**52**	**16:13:37.933**	**20EJ4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,838,566:06:0**	
2788	**97**	**52**	**16:14:38.600**	**E6NIMSP2LD06-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2789	97	52	16:15:33.933	165FZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,838,567:89:0	
2790	97	52	16:15:34.600	165FZ4B	7SCAN	NORM,338.113998,	Check S/P Position	2R0	4	0	3,838,567:90:0	
2791	**97**	**52**	**16:15:39.267**	**E6GNGLOBAL01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2792	97	52	16:17:31.933	125DK	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	3,838,569:84:0	
2793	**97**	**52**	**16:17:31.933**	**125DK4A**	**37IST**	**0,2,0,OFF,0,1,2**	**Gain State 3**	**3R0**	**4**	**0**	**3,838,569:84:0**	
2794	97	52	16:17:31.933	125DK11A	NIMSINIT	GE	##### GROUP END INIT	3R0	4	0	3,838,569:84:0	
2795	97	52	16:18:32.600	127DK	NIMSTAB	GS	%%%%% GROUP START TAB	3R0	4	0	3,838,570:84:0	
2796	**97**	**52**	**16:18:32.600**	**127DK4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**3R3**	**4**	**0**	**3,838,570:84:0**	
2797	**97**	**52**	**16:18:33.266**	**127DK4B**	**37ETB**	**07,C7,02,18,00,0**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,838,570:85:0**	
2798	97	52	16:18:41.266	127DK11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,838,571:06:0	
2799	97	52	16:19:25.266	175FH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,838,571:72:0	
2800	97	52	16:19:25.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3039.71 +/- 1	3R3	4	0	3,838,571:72:0	
2801	97	52	16:19:28.600	117FZ	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,838,571:77:0	
2802	97	52	16:19:34.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3041.00 +/- 1	3R3	4	0	3,838,571:85:9	
2803	97	52	16:19:34.600	175FH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	3,838,571:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2804	97	52	16:19:36.600	165FZ4C	7VECT		Inert vect update UTC	3R3	4	0	3,838,571:89:0
2805	97	52	16:19:37.266	165FZ4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,838,571:90:0
2806	97	52	16:19:37.933	117FZ105A106A4A	**7STRP**	**0.018002,0.0,0,0**	**Slew =,0.03**	3R3	4	0	3,838,572:00:0
2807	**97**	**52**	**16:22:13.393**	**E6GNGLOBAL01-**	**NIMPBK**	**301EQ**	**NIMS GANYMEDE GLOBAL MAP**	**3R3**	**4**	**0**	**: :**
2808	**97**	**52**	**16:27:03.392**	**E6GNGLOBAL01-**	**DESELC**	**300EQ**	**NIMS GANYMEDE GLOBAL MAP**	**3R3**	**4**	**0**	**: :**
2809	97	52	16:29:39.933	117FZ105A106A4B	**7STRP**	**-0.018002,0.0070**	**Slew =17.01**	3R3	4	0	3,838,581:84:0
2810	97	52	16:29:52.600	117FZ105A106A4C	**7STRP**	**0.018002,0.0,0,0**	**Slew =,0.03**	3R3	4	0	3,838,582:12:0
2811	**97**	**52**	**16:32:28.058**	**E6GNGLOBAL01-**	**NIMPBK**	**301FZ**	**NIMS GANYMEDE GLOBAL MAP**	**3R3**	**4**	**0**	**: :**
2812	**97**	**52**	**16:37:18.058**	**E6GNGLOBAL01-**	**DESELC**	**300FZ**	**NIMS GANYMEDE GLOBAL MAP**	**3R3**	**4**	**0**	**: :**
2813	97	52	16:39:54.600	117FZ11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,838,592:05:0
2814	**97**	**52**	**16:39:55.266**	**E6GNGLOBAL01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**
2815	**97**	**52**	**16:42:57.266**	**E6JNFEA12401-**		**-----START------**		**3R3**	**4**	**0**	**: :**
2816	97	52	16:43:35.933	175FH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,838,595:64:0
2817	97	52	16:43:35.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2703.17 +/- 1	3R3	4	0	3,838,595:64:0
2818	97	52	16:43:35.933	175FH422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,838,595:64:0
2819	97	52	16:43:52.600	165EQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,838,595:89:0
2820	97	52	16:43:53.266	165EQ4B	7SCAN	NORM,62.123,20.5	Check S/P Position	3R3	4	0	3,838,595:90:0
2821	97	52	16:45:50.600	125EQ11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,838,597:84:0
2822	**97**	**52**	**16:45:50.600**	**125EQ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,838,597:84:0**
2823	97	52	16:45:50.600	125EQ	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,838,597:84:0
2824	**97**	**52**	**16:46:51.266**	**127EQ4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,838,598:84:0**
2825	97	52	16:46:51.266	127EQ	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,838,598:84:0
2826	**97**	**52**	**16:46:51.933**	**127EQ4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,838,598:85:0**
2827	97	52	16:46:59.933	127EQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,838,599:06:0
2828	97	52	16:47:43.933	175EQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,838,599:72:0
2829	97	52	16:47:43.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2703.11 +/- 1	2R5	4	1	3,838,599:72:0
2830	97	52	16:47:47.266	117EQ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,838,599:77:0
2831	97	52	16:47:53.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2704.41 +/- 1	2R5	4	1	3,838,599:85:9
2832	97	52	16:47:53.266	175EQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,838,599:86:0
2833	97	52	16:47:56.600	117EQ105A106A4A	**7STRP**	**0.0109,0.0,0,0,0**	**Slew =,0.11**	2R5	4	1	3,838,600:00:0
2834	**97**	**52**	**16:47:56.725**	**E6JNFEA12401-**	**NIMPBK**	**301ER**	**JUPITER FEATURE TRACK 124 DEG PH**	**2R5**	**4**	**1**	**: :**
2835	97	52	16:49:36.600	117EQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,838,601:59:0
2836	**97**	**52**	**16:49:36.725**	**E6JNFEA12401-**	**DESELC**	**300ER**	**JUPITER FEATURE TRACK 124 DEG PH**	**2R5**	**4**	**1**	**: :**
2837	97	52	16:49:47.933	175EQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,838,601:76:0
2838	97	52	16:49:47.933	175EQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,838,601:76:0
2839	97	52	16:49:47.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2677.52 +/- 1	2R5	4	1	3,838,601:76:0
2840	**97**	**52**	**16:50:01.933**	**E6JNFEA12401-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
2841	**97**	**52**	**17:17:19.933**	**E6JNFEA12402-**		**-----START------**		**2R5**	**4**	**1**	**: :**
2842	97	52	17:18:15.266	165ER4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,838,629:89:0
2843	97	52	17:18:15.933	165ER4B	7SCAN	NORM,63.033,20.7	Check S/P Position	2R5	4	1	3,838,629:90:0
2844	97	52	17:22:06.600	175ER422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,838,633:72:0
2845	97	52	17:22:06.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2677.46 +/- 1	2R5	4	1	3,838,633:72:0
2846	97	52	17:22:09.933	117ER	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,838,633:77:0
2847	97	52	17:22:15.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2678.75 +/- 1	2R5	4	1	3,838,633:85:9
2848	97	52	17:22:15.933	175ER176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,838,633:86:0
2849	97	52	17:22:19.266	117ER105A106A4A	**7STRP**	**0.0109,0.0,0,0,0**	**Slew =,0.11**	2R5	4	1	3,838,634:00:0
2850	**97**	**52**	**17:22:19.390**	**E6JNFEA12402-**	**NIMPBK**	**301ES**	**JUPITER FEATURE TRACK 124 DEG PH**	**2R5**	**4**	**1**	**: :**
2851	97	52	17:23:59.266	117ER11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,838,635:59:0
2852	**97**	**52**	**17:23:59.390**	**E6JNFEA12402-**	**DESELC**	**300ES**	**JUPITER FEATURE TRACK 124 DEG PH**	**2R5**	**4**	**1**	**: :**
2853	97	52	17:24:10.600	175ER422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,838,635:76:0
2854	97	52	17:24:10.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2651.86 +/- 1	2R5	4	1	3,838,635:76:0
2855	97	52	17:24:10.600	175ER6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,838,635:76:0
2856	**97**	**52**	**17:24:24.600**	**E6JNFEA12402-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
2857	97	52	17:46:30.600	488AX6B	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2R5	4	1	3,838,657:84:0
2858	**97**	**52**	**17:48:40.600**	**E6JNFEA12403-**		**-----START------**		**2R5**	**4**	**1**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2859	97	52	17:49:35.933	165ES4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,838,660:89:0
2860	97	52	17:49:36.600	165ES4B	7SCAN	NORM,63.443,20.7	Check S/P Position	2R5	4	1	3,838,660:90:0
2861	97	52	17:53:27.266	175ES422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,838,664:72:0
2862	97	52	17:53:27.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2651.80 +/- 1	2R5	4	1	3,838,664:72:0
2863	97	52	17:53:30.600	117ES	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,838,664:77:0
2864	97	52	17:53:36.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2653.10 +/- 1	2R5	4	1	3,838,664:85:9
2865	97	52	17:53:36.600	175ES176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,838,664:86:0
2866	97	52	17:53:39.933	117ES105A106A4A	**7STRP**	**0.0109,0.0,0,0,0**	**Slew =,0.11**	2R5	4	1	3,838,665:00:0
2867	**97**	**52**	**17:53:40.055**	**E6JNFEA12403-**	**NIMPBK**	**301ET**	**JUPITER FEATURE TRACK 124 DEG PH**	**2R5**	**4**	**1**	**: :**
2868	97	52	17:55:19.933	117ES11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,838,666:59:0
2869	**97**	**52**	**17:55:20.055**	**E6JNFEA12403-**	**DESELC**	**300ET**	**JUPITER FEATURE TRACK 124 DEG PH**	**2R5**	**4**	**1**	**: :**
2870	97	52	17:55:31.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2626.21 +/- 1	2R5	4	1	3,838,666:76:0
2871	97	52	17:55:31.266	175ES422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,838,666:76:0
2872	97	52	17:55:31.266	175ES6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,838,666:76:0
2873	**97**	**52**	**17:55:45.266**	**E6JNFEA12403-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
2874	97	52	19:05:26.600	488AX6C	6TMSED	NORM,CL6	Sci, Eng, and D/L Chan	2R5	4	1	3,838,735:90:0
2875	**97**	**52**	**19:10:34.666**	**E6INVOLCAN04-**		**-----START------**		**2R5**	**4**	**1**	**: :**
2876	97	52	19:11:26.600	125ET11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	3,838,741:84:0
2877	**97**	**52**	**19:11:26.600**	**125ET4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**3,838,741:84:0**
2878	97	52	19:11:26.600	125ET	NIMSINIT	GS	##### GROUP START INIT	4R5	4	1	3,838,741:84:0
2879	97	52	19:11:29.933	165ET4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R5	4	1	3,838,741:89:0
2880	97	52	19:11:30.600	165ET4B	7SCAN	NORM,54.998,21.4	Check S/P Position	4R5	4	1	3,838,741:90:0
2881	**97**	**52**	**19:12:27.266**	**127ET4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,838,742:84:0**
2882	97	52	19:12:27.266	127ET	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,838,742:84:0
2883	**97**	**52**	**19:12:27.933**	**127ET4B**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,838,742:85:0**
2884	97	52	19:12:35.933	127ET11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,838,743:06:0
2885	97	52	19:13:19.933	175ET422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,838,743:72:0
2886	97	52	19:13:19.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2626.15 +/- 1	4R3	4	0	3,838,743:72:0
2887	97	52	19:13:23.266	117ET	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,743:77:0
2888	97	52	19:13:29.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2627.44 +/- 1	4R3	4	0	3,838,743:85:9
2889	97	52	19:13:29.266	175ET176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,838,743:86:0
2890	97	52	19:13:32.600	117ET105A106A4A	**7STRP**	**-0.00155,0.0,0,0**	**Slew =,0.04**	4R3	4	0	3,838,744:00:0
2891	**97**	**52**	**19:13:36.666**	**E6INVOLCAN04-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
2892	97	52	19:14:12.600	117ET11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,744:60:0
2893	97	52	19:14:23.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2614.61 +/- 1	4R3	4	0	3,838,744:77:0
2894	97	52	19:14:23.933	175ET422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,838,744:77:0
2895	97	52	19:14:23.933	175ET6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,744:77:0
2896	**97**	**52**	**19:58:05.999**	**E6INTHRMAL02-**		**-----START------**		**4R3**	**4**	**0**	**: :**
2897	97	52	19:59:01.266	165EU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,788:89:0
2898	97	52	19:59:01.933	165EU4B	7SCAN	NORM,58.16,22.10	Check S/P Position	4R3	4	0	3,838,788:90:0
2899	97	52	19:59:59.933	488AX6D	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	4R3	4	0	3,838,789:86:0
2900	97	52	20:00:00.600	282NG432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	3,838,789:87:0
2901	97	52	20:00:01.266	282NG432A6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,838,789:88:0
2902	**97**	**52**	**20:00:59.266**	**127EU4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,838,790:84:0**
2903	97	52	20:00:59.266	127EU	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,838,790:84:0
2904	**97**	**52**	**20:00:59.933**	**127EU4B**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,838,790:85:0**
2905	97	52	20:01:07.933	127EU11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,838,791:06:0
2906	97	52	20:01:51.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2614.55 +/- 1	4R3	4	0	3,838,791:72:0
2907	97	52	20:01:51.933	175EU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,838,791:72:0
2908	97	52	20:01:55.266	117EU	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,791:77:0
2909	97	52	20:02:01.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2615.85 +/- 1	4R3	4	0	3,838,791:85:9
2910	97	52	20:02:01.266	175EU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,838,791:86:0
2911	97	52	20:02:04.600	117EU105A106A4A	**7STRP**	**-0.0048,0.0,0,0,**	**Slew =,0.04**	4R3	4	0	3,838,792:00:0
2912	97	52	20:04:05.933	117EU11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,794:00:0
2913	97	52	20:04:07.266	175EU422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,838,794:02:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2914	97	52	20:04:07.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2586.30 +/- 1	4R3	4	0	3,838,794:02:0	
2915	97	52	20:04:07.266	175EU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,794:02:0	
2916	**97**	**52**	**20:04:09.999**	**E6INTHRMAL02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2917	97	52	20:21:15.933	165IL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,810:89:0	
2918	97	52	20:21:16.600	165IL4B	7SCAN	NORM,3.929,0.293	Check S/P Position	4R3	4	0	3,838,810:90:0	
2919	97	52	20:25:08.600		DMS:	: *US-RUNUP	R806, TRACK 4, REV, TIC 2586.24 +/- 1	4R3	4	0	3,838,814:74:0	
2920	97	52	20:25:08.600	175IX422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	4R3	4	0	3,838,814:74:0	
2921	97	52	20:25:11.933	118IL	**SMOS**	GS		4R3	4	0	3,838,814:79:0	
2922	97	52	20:25:18.600	165IL4C	7VECT		Inert vect update UTC	4R3	4	0	3,838,814:89:0	
2923	97	52	20:25:19.266	165IL4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	4R3	4	0	3,838,814:90:0	
2924	97	52	20:25:21.266	175IX176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	3,838,815:02:0	
2925	97	52	20:25:21.733		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *2521.65 +/- 1	4R3	4	0	3,838,815:02:7	
2926	97	52	20:25:21.933	118IL110A111A4A	7STRP	0.0,0.0073,26,0,	Slew =,4.87	4R3	4	0	3,838,815:03:0	
2927	97	52	20:25:30.600	118IL11A	**SMOS**	GE		4R3	4	0	3,838,815:16:0	
2928	97	52	20:25:37.266		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *2139.39 +/- 1	4R3	4	0	3,838,815:26:0	
2929	97	52	20:25:37.266	175IX422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,838,815:26:0	
2930	**97**	**52**	**20:28:25.999**	**E6INVOLCAN05-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2931	97	52	20:29:21.266	165EV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,818:89:0	
2932	97	52	20:29:21.933	165EV4B	7SCAN	NORM,60.069,22.4	Check S/P Position	4R3	4	0	3,838,818:90:0	
2933	97	52	20:30:18.600	127EV	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,838,819:84:0	
2934	**97**	**52**	**20:30:18.600**	**127EV4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,838,819:84:0**	
2935	**97**	**52**	**20:30:19.266**	**127EV4B**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,838,819:85:0**	
2936	97	52	20:30:27.266	127EV11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,838,820:06:0	
2937	97	52	20:31:11.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2127.89 +/- 2	4R3	4	0	3,838,820:72:0	
2938	97	52	20:31:11.266	175EV422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,838,820:72:0	
2939	97	52	20:31:14.600	117EV	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,820:77:0	
2940	97	52	20:31:20.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2129.18 +/- 2	4R3	4	0	3,838,820:85:9	
2941	97	52	20:31:20.600	175EV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,838,820:86:0	
2942	97	52	20:31:23.933	117EV105A106A4A	**7STRP**	**-0.00475,0.0,0,0**	**Slew =,0.04**	4R3	4	0	3,838,821:00:0	
2943	97	52	20:33:25.266	117EV11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,823:00:0	
2944	**97**	**52**	**20:33:29.333**	**E6INVOLCAN05-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2945	97	52	20:33:36.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2097.29 +/- 2	4R3	4	0	3,838,823:17:0	
2946	97	52	20:33:36.600	175EV422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,838,823:17:0	
2947	97	52	20:33:36.600	175EV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,823:17:0	
2948	97	52	23:05:40.600	488AY6A	6TMSED	FILL,GL6	Sci, Eng, and D/L Chan	4R3	4	0	3,838,973:53:0	
2949	97	52	23:10:07.266	165HA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,838,977:89:0	
2950	97	52	23:10:07.933	165HA4B	7SCAN	NORM,17.67,6.875	Check S/P Position	4R3	4	0	3,838,977:90:0	
2951	97	52	23:14:01.933	117HA	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,838,981:77:0	
2952	97	52	23:14:11.266	176HA6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,838,982:00:0	
2953	97	52	23:14:11.266	117HA105A106A4A	7STRP	0.00765,0.0,0,0,	Slew =,0.15	4R3	4	0	3,838,982:00:0	
2954	97	52	23:15:03.933	117HA105A106A4B	7STRP	-0.0089,0.00135,	Slew =12.01	4R3	4	0	3,838,982:79:0	
2955	97	52	23:15:09.933	117HA105A106A4C	7STRP	0.00765,0.0,0,0,	Slew =,0.15	4R3	4	0	3,838,982:88:0	
2956	97	52	23:16:02.600	117HA105A106A4D	7STRP	-0.0089,0.00135,	Slew =12.01	4R3	4	0	3,838,983:76:0	
2957	97	52	23:16:08.600	117HA105A106A4E	7STRP	0.00765,0.0,0,0,	Slew =,0.15	4R3	4	0	3,838,983:85:0	
2958	97	52	23:17:01.266	117HA105A106A4F	7STRP	-0.0089,0.00135,	Slew =12.01	4R3	4	0	3,838,984:73:0	
2959	97	52	23:17:07.266	117HA105A106A4G	7STRP	0.00765,0.0,0,0,	Slew =,0.15	4R3	4	0	3,838,984:82:0	
2960	97	52	23:17:59.933	117HA105A106A4H	7STRP	-0.0089,0.00135,	Slew =12.01	4R3	4	0	3,838,985:70:0	
2961	97	52	23:18:05.933	117HA105A106A4I	7STRP	0.00765,0.0,0,0,	Slew =,0.15	4R3	4	0	3,838,985:79:0	
2962	97	52	23:18:58.600	117HA105A106A4J	7STRP	-0.0089,0.00135,	Slew =12.01	4R3	4	0	3,838,986:67:0	
2963	97	52	23:19:04.600	117HA105A106A4K	7STRP	0.00765,0.0,0,0,	Slew =,0.15	4R3	4	0	3,838,986:76:0	
2964	97	52	23:19:19.933	488AY6B	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	4R3	4	0	3,838,987:08:0	
2965	97	52	23:19:57.266	117HA105A106A4L	7STRP	-0.0089,0.00135,	Slew =12.01	4R3	4	0	3,838,987:64:0	
2966	97	52	23:20:03.266	117HA105A106A4M	7STRP	0.00765,0.0,0,0,	Slew =,0.15	4R3	4	0	3,838,987:73:0	
2967	97	52	23:20:55.933	117HA105A106A4N	7STRP	-0.0089,0.00135,	Slew =12.01	4R3	4	0	3,838,988:61:0	
2968	97	52	23:21:01.933	117HA105A106A4O	7STRP	0.00765,0.0,0,0,	Slew =,0.15	4R3	4	0	3,838,988:70:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2969	97	52	23:21:54.600	117HA105A106A4P	7STRP	-0.0089,0.00135,	Slew =12.01	4R3	4	0	3,838,989:58:0
2970	97	52	23:22:00.600	117HA105A106A4Q	7STRP	0.00765,0.0,0,0,	Slew =,0.15	4R3	4	0	3,838,989:67:0
2971	97	52	23:22:53.266	117HA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,838,990:55:0
2972	97	52	23:26:46.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2097.23 +/- 2	4R3	4	0	3,838,994:41:0
2973	97	52	23:26:49.266	176HA6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,838,994:45:0
2974	97	52	23:27:11.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2094.92 +/- 2	4R3	4	0	3,838,994:78:0
2975	97	52	23:27:30.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2090.39 +/- 2	4R3	4	0	3,838,995:16:0
2976	97	52	23:59:59.933	488AY6C	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	4R3	4	0	3,839,027:28:0
2977	97	53	00:00:00.600	282NH432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	3,839,027:29:0
2978	97	53	00:00:01.266	282NH432A6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,839,027:30:0
2979	97	53	02:43:24.533	125FS	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,839,188:84:0
2980	**97**	**53**	**02:43:24.533**	**125FS4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,839,188:84:0**
2981	97	53	02:43:24.533	125FS11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,839,188:84:0
2982	**97**	**53**	**02:43:33.266**	**E6NNHEALTH07-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2983	**97**	**53**	**02:44:25.200**	**127FS4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,839,189:84:0**
2984	97	53	02:44:25.200	127FS	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,839,189:84:0
2985	**97**	**53**	**02:44:25.866**	**127FS4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,839,189:85:0**
2986	97	53	02:44:33.866	127FS11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,839,190:06:0
2987	**97**	**53**	**02:44:49.866**	**432EM6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,839,190:30:0**
2988	**97**	**53**	**02:45:49.200**	**432EN6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,839,191:28:0**
2989	**97**	**53**	**02:48:36.600**	**E6NNHEALTH07-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2990	**97**	**53**	**02:48:36.600**	**E6NIMSP2LD07-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2991	**97**	**53**	**02:49:37.200**	**20EK6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**3,839,195:06:0**
2992	**97**	**53**	**02:50:37.866**	**20EK5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,839,196:06:0**
2993	**97**	**53**	**02:51:38.533**	**20EK5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,839,197:06:0**
2994	**97**	**53**	**02:52:39.200**	**20EK6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,839,198:06:0**
2995	**97**	**53**	**02:53:39.866**	**20EK6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,839,199:06:0**
2996	**97**	**53**	**02:54:40.533**	**20EK5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,839,200:06:0**
2997	**97**	**53**	**02:55:41.200**	**20EK5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,839,201:06:0**
2998	**97**	**53**	**02:56:41.866**	**20EK4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,839,202:06:0**
2999	**97**	**53**	**02:57:42.533**	**20EK4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,839,203:06:0**
3000	**97**	**53**	**02:58:43.266**	**E6NIMSP2LD07-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
3001	**97**	**53**	**02:59:43.933**	**E6JNFEA14001-**		**-----START------**		**2R3**	**4**	**0**	**: :**
3002	97	53	03:00:39.200	165EW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,839,205:89:0
3003	97	53	03:00:39.866	165EW4B	7SCAN	NORM,80.172999,2	Check S/P Position	2R3	4	0	3,839,205:90:0
3004	**97**	**53**	**03:02:37.200**	**125EW4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,839,207:84:0**
3005	97	53	03:02:37.200	125EW	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,839,207:84:0
3006	97	53	03:02:37.200	125EW11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,839,207:84:0
3007	97	53	03:03:37.866	127EW	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,839,208:84:0
3008	**97**	**53**	**03:03:37.866**	**127EW4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,839,208:84:0**
3009	**97**	**53**	**03:03:38.533**	**127EW4B**	**37ETB**	**,00,05,FF,F8,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,839,208:85:0**
3010	97	53	03:03:46.533	127EW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,839,209:06:0
3011	97	53	03:04:30.533	175EW422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,839,209:72:0
3012	97	53	03:04:30.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2090.33 +/- 2	2R5	4	1	3,839,209:72:0
3013	97	53	03:04:33.866	117EW	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,839,209:77:0
3014	97	53	03:04:39.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2091.62 +/- 2	2R5	4	1	3,839,209:85:9
3015	97	53	03:04:39.866	175EW176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,839,209:86:0
3016	97	53	03:04:43.200	117EW105A106A4A	**7STRP**	**0.0109,0.0,0,0,0**	**Slew =,0.11**	2R5	4	1	3,839,210:00:0
3017	**97**	**53**	**03:04:43.369**	**E6JNFEA14001-**	**NIMPBK**	**301EY**	**JUPITER FEATURE TRACK 140 DEG PH**	**2R5**	**4**	**1**	**: :**
3018	97	53	03:06:23.200	117EW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,839,211:59:0
3019	97	53	03:06:34.533	175EW6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,839,211:76:0
3020	97	53	03:06:34.533	175EW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,839,211:76:0
3021	97	53	03:06:34.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2064.73 +/- 2	2R5	4	1	3,839,211:76:0
3022	**97**	**53**	**03:06:48.600**	**E6JNFEA14001-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
3023	**97**	**53**	**03:22:59.266**	**E6JNFEA14002-**		**-----START------**		**2R5**	**4**	**1**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3024	97	53	03:23:54.533	165EX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,839,228:89:0	
3025	97	53	03:23:55.200	165EX4B	7SCAN	NORM,80.724,23.0	Check S/P Position	2R5	4	1	3,839,228:90:0	
3026	97	53	03:27:45.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2064.67 +/- 2	2R5	4	1	3,839,232:72:0	
3027	97	53	03:27:45.866	175EX422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,839,232:72:0	
3028	97	53	03:27:49.200	117EX	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,839,232:77:0	
3029	97	53	03:27:55.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2065.96 +/- 2	2R5	4	1	3,839,232:85:9	
3030	97	53	03:27:55.200	175EX176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,839,232:86:0	
3031	97	53	03:27:58.533	117EX105A106A4A	**7STRP**	**0.0109,0.0,0,0,0**	**Slew =,0.11**	2R5	4	1	3,839,233:00:0	
3032	97	53	03:29:38.533	117EX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,839,234:59:0	
3033	97	53	03:29:49.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2039.07 +/- 2	2R5	4	1	3,839,234:76:0	
3034	97	53	03:29:49.866	175EX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,839,234:76:0	
3035	97	53	03:29:49.866	175EX6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,839,234:76:0	
3036	**97**	**53**	**03:30:03.933**	**E6JNFEA14002-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3037	97	53	03:33:10.533	488AY6D	6TMSED	NORM,FL4	Sci, Eng, and D/L Chan	2R5	4	1	3,839,238:13:0	
3038	**97**	**53**	**03:50:17.266**	**E6JNFEA14003-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3039	97	53	03:51:12.533	165EY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,839,255:89:0	
3040	97	53	03:51:13.200	165EY4B	7SCAN	NORM,81.112,23.0	Check S/P Position	2R5	4	1	3,839,255:90:0	
3041	97	53	03:55:03.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2039.01 +/- 2	2R5	4	1	3,839,259:72:0	
3042	97	53	03:55:03.866	175EY422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,839,259:72:0	
3043	97	53	03:55:07.200	117EY	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,839,259:77:0	
3044	97	53	03:55:13.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2040.31 +/- 2	2R5	4	1	3,839,259:85:9	
3045	97	53	03:55:13.200	175EY176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,839,259:86:0	
3046	97	53	03:55:16.533	117EY105A106A4A	**7STRP**	**0.0109,0.0,0,0,0**	**Slew =,0.11**	2R5	4	1	3,839,260:00:0	
3047	97	53	03:56:56.533	117EY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,839,261:59:0	
3048	**97**	**53**	**03:56:56.700**	**E6JNFEA14003-**	**DESELC**	**300EY**	**JUPITER FEATURE TRACK 140 DEG PH**	**2R5**	**4**	**1**	**: :**	
3049	97	53	03:57:07.866	175EY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,839,261:76:0	
3050	97	53	03:57:07.866	175EY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,839,261:76:0	
3051	97	53	03:57:07.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2013.42 +/- 2	2R5	4	1	3,839,261:76:0	
3052	**97**	**53**	**03:57:21.933**	**E6JNFEA14003-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3053	97	53	04:29:59.866	481UE4A	7VECT	BB2	Inert vect update UTC	2R5	4	1	3,839,294:31:0	
3054	97	53	05:13:26.533	488AZ6A	6TMSED	NORM,FL2	Sci, Eng, and D/L Chan	2R5	4	1	3,839,337:28:0	
3055	97	53	05:18:31.200	488AZ6B	6TMSED	FILL,FL2	Sci, Eng, and D/L Chan	2R5	4	1	3,839,342:30:0	
3056	97	53	05:29:59.866	488AZ6C	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	2R5	4	1	3,839,353:62:0	
3057	97	53	06:22:52.533	165HB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,839,405:89:0	
3058	97	53	06:22:53.200	165HB4B	7SCAN	NORM,39.133,15.2	Check S/P Position	2R5	4	1	3,839,405:90:0	
3059	97	53	06:26:47.200	117HB	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,839,409:77:0	
3060	97	53	06:26:56.533	117HB105A106A4A	7STRP	0.0,-0.006,0,0,0	Slew =,0.61	2R5	4	1	3,839,410:00:0	
3061	97	53	06:26:56.533	176HB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,839,410:00:0	
3062	97	53	06:27:18.533	117HB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,839,410:33:0	
3063	97	53	06:27:29.866	176HB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,839,410:50:0	
3064	97	53	06:27:31.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2013.36 +/- 2	2R5	4	1	3,839,410:53:0	
3065	97	53	06:27:41.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2014.48 +/- 2	2R5	4	1	3,839,410:68:0	
3066	97	53	06:27:49.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2012.76 +/- 2	2R5	4	1	3,839,410:79:0	
3067	97	53	06:31:59.866	411JI6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,839,415:00:0	
3068	97	53	06:31:59.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2012.70 +/- 2	2R5	4	1	3,839,415:00:0	
3069	97	53	06:32:09.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2014.00 +/- 2	2R5	4	1	3,839,415:13:9	
3070	97	53	06:32:09.866	411JI6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R5	4	1	3,839,415:15:0	
3071	97	53	06:34:11.200	411JI6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,839,417:15:0	
3072	97	53	06:34:12.533	175TH176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R5	4	1	3,839,417:17:0	
3073	97	53	06:34:13.200	175TH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,839,417:18:0	
3074	97	53	06:34:19.866	175TH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,839,417:28:0	
3075	97	53	06:34:19.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1983.35 +/- 2	2R5	4	1	3,839,417:28:0	
3076	97	53	06:54:13.200	165IN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,839,436:89:0	
3077	97	53	06:54:13.866	165IN4B	7SCAN	NORM,222.351999,	Check S/P Position	2R5	4	1	3,839,436:90:0	
3078	97	53	06:58:05.866		DMS:	: *US-RUNUP	R115, TRACK 4, REV, TIC 1983.29 +/- 2	2R5	4	1	3,839,440:74:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3079	97	53	06:58:05.866	175IY422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,839,440	74:0
3080	97	53	06:58:15.866	165IN4C	7VECT		Inert vect update UTC	2R5	4	1	3,839,440	89:0
3081	97	53	06:58:16.533	165IN4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,839,440	90:0
3082	97	53	06:58:17.733		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1978.41 +/- 2	2R5	4	1	3,839,441	00:8
3083	97	53	06:58:17.866	175IY176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,839,441	01:0
3084	97	53	06:59:18.533	175IY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,839,442	01:0
3085	97	53	06:59:18.533		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1764.66 +/- 2	2R5	4	1	3,839,442	01:0
3086	97	53	07:00:49.866	488AZ6D	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R5	4	1	3,839,443	47:0
3087	97	53	07:43:12.533	488AZ6E	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	2R5	4	1	3,839,485	39:0
3088	**97**	**53**	**07:59:01.333**	**E6NNPCTRLT01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3089	97	53	08:40:29.200	488BA6A	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R5	4	1	3,839,542	07:0
3090	97	53	10:29:59.866	481UF4A	7VECT		Inert vect update UTC	2R5	4	1	3,839,650	35:0
3091	**97**	**53**	**10:58:59.999**	**E6NNPCTRLT01-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3092	97	53	12:48:31.200	488BA6B	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	2R5	4	1	3,839,787	35:0
3093	**97**	**53**	**12:51:13.999**	**E6NNHNDARK04-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3094	97	53	12:52:09.200	165FA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,839,790	89:0
3095	97	53	12:52:09.866	165FA4B	7SCAN	NORM,234.0,-11.5	Check S/P Position	2R5	4	1	3,839,790	90:0
3096	**97**	**53**	**12:54:07.200**	**125FA4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R5**	**4**	**1**	**3,839,792**	**84:0**
3097	97	53	12:54:07.200	125FA11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	3,839,792	84:0
3098	97	53	12:54:07.200	125FA	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,839,792	84:0
3099	**97**	**53**	**12:55:07.866**	**127FA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,839,793**	**84:0**
3100	97	53	12:55:07.866	127FA	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,839,793	84:0
3101	**97**	**53**	**12:55:08.533**	**127FA4B**	**37ETB**	**07,C7,05,FF,FF,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,839,793**	**85:0**
3102	97	53	12:55:16.533	127FA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,839,794	06:0
3103	**97**	**53**	**12:55:16.666**	**E6NNHNDARK04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3104	97	53	12:56:00.533	175FA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,839,794	72:0
3105	97	53	12:56:00.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1763.66 +/- 2	2R3	4	0	3,839,794	72:0
3106	97	53	12:56:09.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1764.95 +/- 2	2R3	4	0	3,839,794	85:9
3107	97	53	12:56:09.866	175FA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,839,794	86:0
3108	**97**	**53**	**12:56:13.347**	**E6NNHNDARK04-**	**NIMPBK**	**301FB**	**DARK OBSERVATION**	**2R3**	**4**	**0**	**: :**	
3109	**97**	**53**	**12:57:14.014**	**E6NNHNDARK04-**	**DESELC**	**300FB**	**DARK OBSERVATION**	**2R3**	**4**	**0**	**: :**	
3110	97	53	12:57:25.866	175FA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,839,796	18:0
3111	97	53	12:57:25.866	175FA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,839,796	18:0
3112	97	53	12:57:25.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1747.13 +/- 2	2R3	4	0	3,839,796	18:0
3113	**97**	**53**	**13:07:24.600**	**E6JNFEA15001-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3114	97	53	13:08:19.866	165FB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,839,806	89:0
3115	97	53	13:08:20.533	165FB4B	7SCAN	NORM,91.818,23.4	Check S/P Position	2R3	4	0	3,839,806	90:0
3116	**97**	**53**	**13:10:17.866**	**125FB4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,839,808**	**84:0**
3117	97	53	13:10:17.866	125FB11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,839,808	84:0
3118	97	53	13:10:17.866	125FB	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,839,808	84:0
3119	97	53	13:11:18.533	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,839,809	84:0
3120	**97**	**53**	**13:11:18.533**	**127FB4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,839,809**	**84:0**
3121	**97**	**53**	**13:11:19.200**	**127FB4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,839,809**	**85:0**
3122	97	53	13:11:27.200	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,839,810	06:0
3123	97	53	13:12:11.200	175FB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,839,810	72:0
3124	97	53	13:12:11.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1747.07 +/- 2	2R5	4	1	3,839,810	72:0
3125	97	53	13:12:14.533	117FB	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,839,810	77:0
3126	97	53	13:12:20.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1748.36 +/- 2	2R5	4	1	3,839,810	85:9
3127	97	53	13:12:20.533	175FB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,839,810	86:0
3128	97	53	13:12:23.866	117FB105A106A4A	**7STRP**	**0.01,0.0,0,0,0,0**	**Slew =,0.11**	2R5	4	1	3,839,811	00:0
3129	**97**	**53**	**13:12:24.013**	**E6JNFEA15001-**	**NIMPBK**	**301FC**	**JUPITER FEATURE TRACK 150 DEG PH**	**2R5**	**4**	**1**	**: :**	
3130	97	53	13:13:57.866	117FB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,839,812	50:0
3131	97	53	13:14:09.200	175FB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,839,812	67:0
3132	97	53	13:14:09.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1722.88 +/- 2	2R5	4	1	3,839,812	67:0
3133	97	53	13:14:09.200	175FB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,839,812	67:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3134	**97**	**53**	**13:14:29.266**	**E6JNFEA15001-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3135	**97**	**53**	**13:24:35.933**	**E6JNFEA15002-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3136	97	53	13:25:31.200	165FC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,839,823:89:0	
3137	97	53	13:25:31.866	165FC4B	7SCAN	NORM,92.068999,2	Check S/P Position	2R5	4	1	3,839,823:90:0	
3138	**97**	**53**	**13:27:29.200**	**125FC4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R5**	**4**	**1**	**3,839,825:84:0**	
3139	97	53	13:27:29.200	125FC11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	3,839,825:84:0	
3140	97	53	13:27:29.200	125FC	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,839,825:84:0	
3141	97	53	13:29:22.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1722.82 +/- 2	2R5	4	1	3,839,827:72:0	
3142	97	53	13:29:22.533	175FC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,839,827:72:0	
3143	97	53	13:29:25.866	117FC	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,839,827:77:0	
3144	97	53	13:29:31.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1724.11 +/- 2	2R5	4	1	3,839,827:85:9	
3145	97	53	13:29:31.866	175FC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,839,827:86:0	
3146	97	53	13:29:35.200	117FC105A106A4A	**7STRP**	**0.01,0.0,0,0,0,0**	**Slew =,0.11**	2R5	4	1	3,839,828:00:0	
3147	97	53	13:31:09.200	117FC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,839,829:50:0	
3148	97	53	13:31:20.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1698.63 +/- 2	2R5	4	1	3,839,829:67:0	
3149	97	53	13:31:20.533	175FC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,839,829:67:0	
3150	97	53	13:31:20.533	175FC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,839,829:67:0	
3151	**97**	**53**	**13:31:40.600**	**E6JNFEA15002-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3152	**97**	**53**	**13:41:47.266**	**E6JNFEA15003-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3153	97	53	13:42:42.533	165FD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,839,840:89:0	
3154	97	53	13:42:43.200	165FD4B	7SCAN	NORM,92.195999,2	Check S/P Position	2R5	4	1	3,839,840:90:0	
3155	97	53	13:44:40.533	125FD	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,839,842:84:0	
3156	97	53	13:44:40.533	125FD11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	3,839,842:84:0	
3157	**97**	**53**	**13:44:40.533**	**125FD4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R5**	**4**	**1**	**3,839,842:84:0**	
3158	**97**	**53**	**13:45:41.200**	**127FD4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,839,843:84:0**	
3159	97	53	13:45:41.200	127FD	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,839,843:84:0	
3160	**97**	**53**	**13:45:41.866**	**127FD4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,839,843:85:0**	
3161	97	53	13:45:49.866	127FD11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,839,844:06:0	
3162	97	53	13:45:49.866	488BA6C	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R5	4	1	3,839,844:06:0	
3163	97	53	13:46:33.866	175FD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,839,844:72:0	
3164	97	53	13:46:33.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1698.57 +/- 2	2R5	4	1	3,839,844:72:0	
3165	97	53	13:46:37.200	117FD	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,839,844:77:0	
3166	97	53	13:46:43.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1699.86 +/- 2	2R5	4	1	3,839,844:85:9	
3167	97	53	13:46:43.200	175FD176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,839,844:86:0	
3168	97	53	13:46:46.533	117FD105A106A4A	**7STRP**	**0.01,0.0,0,0,0,0**	**Slew =,0.11**	2R5	4	1	3,839,845:00:0	
3169	97	53	13:48:20.533	117FD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,839,846:50:0	
3170	**97**	**53**	**13:48:20.678**	**E6JNFEA15003-**	**DESELC**	**300FC**	**JUPITER FEATURE TRACK 150 DEG PH**	**2R5**	**4**	**1**	**: :**	
3171	97	53	13:48:31.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1674.38 +/- 2	2R5	4	1	3,839,846:67:0	
3172	97	53	13:48:31.866	175FD6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,839,846:67:0	
3173	97	53	13:48:31.866	175FD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,839,846:67:0	
3174	**97**	**53**	**13:48:51.933**	**E6JNFEA15003-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3175	97	53	14:02:30.533	488BA6D	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R5	4	1	3,839,860:51:0	
3176	97	53	15:09:26.533	488BB6A	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	2R5	4	1	3,839,926:69:0	
3177	97	53	15:43:34.533	488BB6B	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R5	4	1	3,839,960:47:0	
3178	97	53	15:51:18.533	488BB6C	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R5	4	1	3,839,968:15:0	
3179	97	53	15:53:08.533	165HC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,839,969:89:0	
3180	97	53	15:53:09.200	165HC4B	7SCAN	NORM,198.032999,	Check S/P Position	2R5	4	1	3,839,969:90:0	
3181	97	53	15:57:03.200	117HC	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,839,973:77:0	
3182	97	53	15:57:12.533	117HC105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.61	2R5	4	1	3,839,974:00:0	
3183	97	53	15:57:12.533	176HC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,839,974:00:0	
3184	97	53	15:57:34.533	117HC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,839,974:33:0	
3185	97	53	15:57:45.866	176HC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,839,974:50:0	
3186	97	53	15:57:47.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1674.32 +/- 2	2R5	4	1	3,839,974:53:0	
3187	97	53	15:57:57.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1675.44 +/- 2	2R5	4	1	3,839,974:68:0	
3188	97	53	15:58:05.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1673.72 +/- 2	2R5	4	1	3,839,974:79:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3189	97	53	16:59:59.866	488BB6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R5	4	1	3,840,036:09:0	
3190	97	53	17:50:46.533	488BB6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R5	4	1	3,840,086:29:0	
3191	97	53	18:10:44.533	444UB443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	2R5	4	1	3,840,106:06:0	
3192	97	53	18:13:49.200	444UC443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R5	4	1	3,840,109:10:0	
3193	97	53	18:17:49.200	444UC443A4B	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2R5	4	1	3,840,113:06:0	
3194	97	53	18:22:46.533	488BC6A	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2R5	4	1	3,840,117:88:0	
3195	97	53	18:26:49.200	444UC443A4C	**7CLK**	**17.45,0.0**	Check S/P Position	2R5	4	1	3,840,121:88:0	
3196	97	53	18:32:49.200	432OG431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R5	4	1	3,840,127:82:0	
3197	97	53	18:32:49.866	432OG6A	6RTSL1		R/T Select of DDS and	2R5	4	1	3,840,127:83:0	
3198	**97**	**53**	**18:37:53.866**	**127FP4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,840,132:84:0**	
3199	97	53	18:37:53.866	127FP	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,840,132:84:0	
3200	**97**	**53**	**18:37:54.533**	**127FP4B**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,840,132:85:0**	
3201	97	53	18:38:02.533	127FP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,840,133:06:0	
3202	97	53	18:53:03.866	125DX11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,840,147:84:0	
3203	97	53	18:53:03.866	125DX	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,840,147:84:0	
3204	**97**	**53**	**18:53:03.866**	**125DX4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,840,147:84:0**	
3205	97	53	18:53:08.533	192EP4A	**7CONE**	**17.0,110.0**	Check S/P Position	4R3	4	0	3,840,148:00:0	
3206	97	53	18:53:09.200	192EP4B	**7CLK**	**17.0,90.0**	Check S/P Position	4R3	4	0	3,840,148:01:0	
3207	97	53	18:55:57.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1673.66 +/- 2	4R3	4	0	3,840,150:72:0	
3208	97	53	18:55:57.866	175FQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,840,150:72:0	
3209	97	53	18:56:07.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1674.95 +/- 2	4R3	4	0	3,840,150:85:9	
3210	97	53	18:56:07.200	175FQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,840,150:86:0	
3211	**97**	**53**	**18:57:10.001**	**E6NNPCTCAL01-**	**NIMPBK**	**301FJ**	**DARK OBSERVATION**	**4R3**	**4**	**0**	**: :**	
3212	**97**	**53**	**18:57:47.334**	**E6NNPCTCAL01-**	**DESELC**	**300FJ**	**DARK OBSERVATION**	**4R3**	**4**	**0**	**: :**	
3213	97	53	18:59:24.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1628.69 +/- 2	4R3	4	0	3,840,154:18:0	
3214	97	53	18:59:24.533	175FQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,840,154:18:0	
3215	97	53	18:59:24.533	175FQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,840,154:18:0	
3216	97	53	19:01:13.866	192EP4C	**7CONE**	**17.0,54.88**	Check S/P Position	4R3	4	0	3,840,156:00:0	
3217	97	53	19:01:14.533	192EP4D	**7CLK**	**17.0,244.07**	Check S/P Position	4R3	4	0	3,840,156:01:0	
3218	97	53	19:04:03.200	175FR422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,840,158:72:0	
3219	97	53	19:04:03.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1628.63 +/- 2	4R3	4	0	3,840,158:72:0	
3220	97	53	19:04:12.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1629.92 +/- 2	4R3	4	0	3,840,158:85:9	
3221	97	53	19:04:12.533	175FR176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,840,158:86:0	
3222	**97**	**53**	**19:04:16.000**	**E6NNPCTCAL01-**	**NIMPBK**	**301FY**	**DARK OBSERVATION**	**4R3**	**4**	**0**	**: :**	
3223	**97**	**53**	**19:05:16.667**	**E6NNPCTCAL01-**	**DESELC**	**300FY**	**DARK OBSERVATION**	**4R3**	**4**	**0**	**: :**	
3224	97	53	19:07:29.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1583.66 +/- 2	4R3	4	0	3,840,162:18:0	
3225	97	53	19:07:29.866	175FR422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,840,162:18:0	
3226	97	53	19:07:29.866	175FR6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,840,162:18:0	
3227	97	53	19:09:19.200	192EP4E	**7CONE**	**17.0,110.0**	Check S/P Position	4R3	4	0	3,840,164:00:0	
3228	97	53	19:09:19.866	192EP4F	**7CLK**	**17.0,90.0**	Check S/P Position	4R3	4	0	3,840,164:01:0	
3229	97	53	19:12:08.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1583.60 +/- 2	4R3	4	0	3,840,166:72:0	
3230	97	53	19:12:08.533	175FS422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,840,166:72:0	
3231	97	53	19:12:16.533	125DY	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,840,166:84:0	
3232	**97**	**53**	**19:12:16.533**	**125DY4A**	**37IST**	**0,2,1,OFF,1,1,1**	**OPCALGain State 4**	**4R3**	**4**	**0**	**3,840,166:84:0**	
3233	97	53	19:12:16.533	125DY11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,840,166:84:0	
3234	97	53	19:12:17.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1584.89 +/- 2	4R3	4	0	3,840,166:85:9	
3235	97	53	19:12:17.866	175FS176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,840,166:86:0	
3236	97	53	19:15:23.200	192EP4G	**7CONE**	**17.0,153.0**	Check S/P Position	4R3	4	0	3,840,170:00:0	
3237	97	53	19:15:23.866	192EP4H	**7CLK**	**17.0,0.0**	Check S/P Position	4R3	4	0	3,840,170:01:0	
3238	97	53	19:15:35.200	175FS422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,840,170:18:0	
3239	97	53	19:15:35.200	175FS6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,840,170:18:0	
3240	97	53	19:15:35.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1538.63 +/- 2	4R3	4	0	3,840,170:18:0	
3241	97	53	19:17:31.200	444UD443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R3	4	0	3,840,172:10:0	
3242	97	53	19:21:31.200	444UD443A4B	**7MODE**	**CRU**	AACS CRUISE MODE	4R3	4	0	3,840,176:06:0	
3243	97	53	19:36:39.200	432OI431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	3,840,191:03:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3244	97	53	19:36:39.866	432OI6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,840,191:04:0	
3245	97	53	19:48:49.200	444UE443A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4R3	4	0	3,840,203:06:0	
3246	97	53	21:14:59.866	488BC6B	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	4R3	4	0	3,840,288:27:0	
3247	97	53	21:56:04.533	125DC	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,840,328:84:0	
3248	**97**	**53**	**21:56:04.533**	**125DC4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,840,328:84:0**	
3249	97	53	21:56:07.866	165FL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,840,328:89:0	
3250	97	53	21:56:08.533	165FL4B	7SCAN	NORM,173.530998,	Check S/P Position	4R3	4	0	3,840,328:90:0	
3251	**97**	**53**	**21:56:13.200**	**E6CNCALLRT01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3252	**97**	**53**	**21:57:05.200**	**125DC4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,840,329:84:0**	
3253	97	53	21:57:05.200	125DC11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,840,329:84:0	
3254	**97**	**53**	**21:58:05.866**	**127DC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,840,330:84:0**	
3255	97	53	21:58:05.866	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,840,330:84:0	
3256	**97**	**53**	**21:58:06.533**	**127DC4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,840,330:85:0**	
3257	97	53	21:58:14.533	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,840,331:06:0	
3258	**97**	**53**	**21:58:30.533**	**432EW6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**3,840,331:30:0**	
3259	97	53	21:59:01.866	117FL	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,840,331:77:0	
3260	97	53	21:59:11.200	117FL105A106A4A	**7STRP**	**-0.0071,0.0,0,0,**	**Slew =,0.04**	4R3	4	0	3,840,332:00:0	
3261	**97**	**53**	**22:01:31.200**	**432EX6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,840,334:28:0**	
3262	**97**	**53**	**22:02:08.533**	**125DD4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,840,334:84:0**	
3263	97	53	22:02:08.533	125DD11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,840,334:84:0	
3264	97	53	22:02:08.533	125DD	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,840,334:84:0	
3265	97	53	22:02:13.200	117FL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,840,335:00:0	
3266	**97**	**53**	**22:02:17.200**	**E6CNCALLRT01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3267	97	53	22:04:13.200	165FE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,840,336:89:0	
3268	97	53	22:04:13.866	165FE4B	7SCAN	NORM,172.922998,	Check S/P Position	4R3	4	0	3,840,336:90:0	
3269	**97**	**53**	**22:04:18.533**	**E6CNGLOBAL01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3270	97	53	22:06:11.200	125FE11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,840,338:84:0	
3271	**97**	**53**	**22:06:11.200**	**125FE4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,840,338:84:0**	
3272	97	53	22:06:11.200	125FE	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,840,338:84:0	
3273	97	53	22:07:11.866	127FE	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,840,339:84:0	
3274	**97**	**53**	**22:07:11.866**	**127FE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,840,339:84:0**	
3275	**97**	**53**	**22:07:12.533**	**127FE4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,840,339:85:0**	
3276	97	53	22:07:20.533	127FE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,840,340:06:0	
3277	97	53	22:08:01.866	175FE422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R3	4	0	3,840,340:68:0	
3278	97	53	22:08:01.866		DMS:	: *US-RUNUP	R28, TRACK 4, REV, TIC 1538.57 +/- 2	4R3	4	0	3,840,340:68:0	
3279	97	53	22:08:07.866	117FE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,840,340:77:0	
3280	97	53	22:08:13.733		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *1538.48 +/- 2	4R3	4	0	3,840,340:85:8	
3281	97	53	22:08:13.866	175FE176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	3,840,340:86:0	
3282	97	53	22:08:17.200	117FE105A106A4A	**7STRP**	**-0.0096,0.0,0,0,**	**Slew =,0.04**	4R3	4	0	3,840,341:00:0	
3283	**97**	**53**	**22:08:17.327**	**E6CNGLOBAL01-**	**NIMPBK**	**301FU**	**CALLISTO GLOBAL OBSERVATION**	**4R3**	**4**	**0**	**: :**	
3284	**97**	**53**	**22:10:19.994**	**E6CNGLOBAL01-**	**DESELC**	**300FU**	**CALLISTO GLOBAL OBSERVATION**	**4R3**	**4**	**0**	**: :**	
3285	97	53	22:12:19.866	117FE105A106A4B	**7STRP**	**0.008,-0.009501,**	**Slew =12.01**	4R3	4	0	3,840,345:00:0	
3286	97	53	22:12:29.866	117FE105A106A4C	**7STRP**	**-0.0096,0.0,0,0,**	**Slew =,0.04**	4R3	4	0	3,840,345:15:0	
3287	97	53	22:16:32.533	117FE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,840,349:15:0	
3288	97	53	22:16:37.866	175FE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,840,349:23:0	
3289	97	53	22:16:37.866		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *1095.39 +/- 2	4R3	4	0	3,840,349:23:0	
3290	**97**	**53**	**22:17:27.200**	**E6CNGLOBAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3291	97	53	22:18:22.533	165HD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,840,350:89:0	
3292	97	53	22:18:23.200	165HD4B	7SCAN	NORM,172.712999,	Check S/P Position	4R3	4	0	3,840,350:90:0	
3293	97	53	22:22:17.200	117HD	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,840,354:77:0	
3294	97	53	22:22:26.533	117HD105A106A4A	7STRP	-0.017002,0.0,0,	Slew =,0.21	4R3	4	0	3,840,355:00:0	
3295	97	53	22:22:26.533	176HD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,840,355:00:0	
3296	97	53	22:23:50.533	117HD105A106A4B	7STRP	0.014901,-0.001,	Slew =12.01	4R3	4	0	3,840,356:35:0	
3297	97	53	22:23:55.866	117HD105A106A4C	7STRP	-0.017002,0.0,0,	Slew =,0.21	4R3	4	0	3,840,356:43:0	
3298	97	53	22:25:19.866	117HD105A106A4D	7STRP	0.014901,-0.001,	Slew =12.01	4R3	4	0	3,840,357:78:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3299	97	53	22:25:25.200	117HD105A106A4E	7STRP	-0.017002,0.0,0,	Slew =,0.21	4R3	4	0	3,840,357:86:0
3300	**97**	**53**	**22:26:33.200**	**E6NCHOPOFF01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
3301	97	53	22:26:49.200	117HD105A106A4F	7STRP	0.014901,-0.001,	Slew =12.01	4R3	4	0	3,840,359:30:0
3302	97	53	22:26:54.533	117HD105A106A4G	7STRP	-0.017002,0.0,0,	Slew =,0.21	4R3	4	0	3,840,359:38:0
3303	**97**	**53**	**22:27:25.200**	**127FJ4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**3,840,359:84:0**
3304	97	53	22:27:25.200	127FJ	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	3,840,359:84:0
3305	**97**	**53**	**22:27:25.866**	**127FJ4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**3,840,359:85:0**
3306	97	53	22:27:33.866	127FJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	3,840,360:06:0
3307	97	53	22:28:18.533	117HD105A106A4H	7STRP	0.014901,-0.001,	Slew =12.01	4R0	4	0	3,840,360:73:0
3308	97	53	22:28:23.866	117HD105A106A4I	7STRP	-0.017002,0.0,0,	Slew =,0.21	4R0	4	0	3,840,360:81:0
3309	97	53	22:29:47.866	117HD105A106A4J	7STRP	0.014901,-0.001,	Slew =12.01	4R0	4	0	3,840,362:25:0
3310	97	53	22:29:53.200	117HD105A106A4K	7STRP	-0.017002,0.0,0,	Slew =,0.21	4R0	4	0	3,840,362:33:0
3311	97	53	22:30:27.200	125FJ	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	3,840,362:84:0
3312	**97**	**53**	**22:30:27.200**	**125FJ4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,840,362:84:0**
3313	97	53	22:31:17.200	117HD105A106A4L	7STRP	0.014901,-0.001,	Slew =12.01	4R0	4	0	3,840,363:68:0
3314	97	53	22:31:22.533	117HD105A106A4M	7STRP	-0.017002,0.0,0,	Slew =,0.21	4R0	4	0	3,840,363:76:0
3315	**97**	**53**	**22:31:27.866**	**125FJ4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,840,363:84:0**
3316	97	53	22:32:28.533	125FJ11A	NIMSINIT	GE	##### GROUP END INIT	460	4	0	3,840,364:84:0
3317	**97**	**53**	**22:32:28.533**	**125FJ4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**3,840,364:84:0**
3318	97	53	22:32:46.533	117HD105A106A4N	7STRP	0.014901,-0.001,	Slew =12.01	4O0	4	0	3,840,365:20:0
3319	97	53	22:32:51.866	117HD105A106A4O	7STRP	-0.017002,0.0,0,	Slew =,0.21	4O0	4	0	3,840,365:28:0
3320	97	53	22:34:15.866	117HD105A106A4P	7STRP	0.014901,-0.001,	Slew =12.01	4O0	4	0	3,840,366:63:0
3321	97	53	22:34:21.200	117HD105A106A4Q	7STRP	-0.017002,0.0,0,	Slew =,0.21	4O0	4	0	3,840,366:71:0
3322	97	53	22:35:01.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1095.09 +/- 2	4O0	4	0	3,840,367:41:0
3323	97	53	22:35:26.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1092.78 +/- 2	4O0	4	0	3,840,367:78:0
3324	97	53	22:35:45.200	117HD105A106A4R	7STRP	0.014901,-0.001,	Slew =12.01	4O0	4	0	3,840,368:15:0
3325	97	53	22:35:46.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1088.09 +/- 2	4O0	4	0	3,840,368:17:0
3326	97	53	22:35:50.533	117HD105A106A4S	7STRP	-0.017002,0.0,0,	Slew =,0.21	4O0	4	0	3,840,368:23:0
3327	**97**	**53**	**22:36:39.866**	**E6NCHOPOFF01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**
3328	97	53	22:37:14.533	117HD105A106A4T	7STRP	0.014901,-0.001,	Slew =12.01	4O0	4	0	3,840,369:58:0
3329	97	53	22:37:19.866	117HD105A106A4U	7STRP	-0.017002,0.0,0,	Slew =,0.21	4O0	4	0	3,840,369:66:0
3330	97	53	22:38:43.866	117HD105A106A4V	7STRP	0.014901,-0.001,	Slew =12.01	4O0	4	0	3,840,371:10:0
3331	97	53	22:38:49.200	117HD105A106A4W	7STRP	-0.017002,0.0,0,	Slew =,0.21	4O0	4	0	3,840,371:18:0
3332	97	53	22:40:13.200	117HD105A106A4X	7STRP	0.014901,-0.001,	Slew =12.01	4O0	4	0	3,840,372:53:0
3333	97	53	22:40:18.533	117HD105A106A4Y	7STRP	-0.017002,0.0,0,	Slew =,0.21	4O0	4	0	3,840,372:61:0
3334	97	53	22:41:42.533	117HD105A106A4Z	7STRP	0.014901,-0.001,	Slew =12.01	4O0	4	0	3,840,374:05:0
3335	97	53	22:41:47.866	117HD105A106A4AA	7STRP	-0.017002,0.0,0,	Slew =,0.21	4O0	4	0	3,840,374:13:0
3336	97	53	22:43:11.866	117HD105A106A4AB	7STRP	0.014901,-0.001,	Slew =12.01	4O0	4	0	3,840,375:48:0
3337	97	53	22:43:17.200	117HD105A106A4AC	7STRP	-0.017002,0.0,0,	Slew =,0.21	4O0	4	0	3,840,375:56:0
3338	97	53	22:44:41.200	117HD105A106A4AD	7STRP	0.014901,-0.001,	Slew =12.01	4O0	4	0	3,840,377:00:0
3339	97	53	22:44:46.533	117HD105A106A4AE	7STRP	-0.017002,0.0,0,	Slew =,0.21	4O0	4	0	3,840,377:08:0
3340	97	53	22:46:10.533	117HD105A106A4AF	7STRP	0.014901,-0.001,	Slew =12.01	4O0	4	0	3,840,378:43:0
3341	97	53	22:46:15.866	117HD105A106A4AG	7STRP	-0.017002,0.0,0,	Slew =,0.21	4O0	4	0	3,840,378:51:0
3342	97	53	22:47:39.866	117HD105A106A4AH	7STRP	0.014901,-0.001,	Slew =12.01	4O0	4	0	3,840,379:86:0
3343	97	53	22:47:45.200	117HD105A106A4AI	7STRP	-0.017002,0.0,0,	Slew =,0.21	4O0	4	0	3,840,380:03:0
3344	97	53	22:48:03.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1088.03 +/- 2	4O0	4	0	3,840,380:31:0
3345	97	53	22:48:28.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1085.72 +/- 2	4O0	4	0	3,840,380:68:0
3346	97	53	22:48:48.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1081.03 +/- 2	4O0	4	0	3,840,381:07:0
3347	97	53	22:49:09.200	117HD105A106A4AJ	7STRP	0.014901,-0.001,	Slew =12.01	4O0	4	0	3,840,381:38:0
3348	97	53	22:49:14.533	117HD105A106A4AK	7STRP	-0.017002,0.0,0,	Slew =,0.21	4O0	4	0	3,840,381:46:0
3349	97	53	22:50:38.533	117HD105A106A4AL	7STRP	0.014901,-0.001,	Slew =12.01	4O0	4	0	3,840,382:81:0
3350	97	53	22:50:43.866	117HD105A106A4AM	7STRP	-0.017002,0.0,0,	Slew =,0.21	4O0	4	0	3,840,382:89:0
3351	97	53	22:52:07.866	117HD11A	**CSMOS**	GE	***** GROUP END CSMOS	4O0	4	0	3,840,384:33:0
3352	97	53	23:01:05.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1080.97 +/- 2	4O0	4	0	3,840,393:21:0
3353	97	53	23:01:30.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1078.65 +/- 2	4O0	4	0	3,840,393:58:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3354	97	53	23:01:50.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1073.97 +/- 2	4O0	4	0	3,840,393:88:0	
3355	97	53	23:14:08.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1073.91 +/- 2	4O0	4	0	3,840,406:12:0	
3356	97	53	23:14:32.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1071.75 +/- 2	4O0	4	0	3,840,406:48:0	
3357	97	53	23:14:52.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1067.06 +/- 2	4O0	4	0	3,840,406:78:0	
3358	97	53	23:27:10.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1067.00 +/- 2	4O0	4	0	3,840,419:02:0	
3359	97	53	23:27:35.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1064.68 +/- 2	4O0	4	0	3,840,419:39:0	
3360	97	53	23:27:55.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1060.00 +/- 2	4O0	4	0	3,840,419:69:0	
3361	97	53	23:32:50.533	176HD6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	3,840,424:57:0	
3362	97	53	23:32:52.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1059.94 +/- 2	4O0	4	0	3,840,424:60:0	
3363	97	53	23:33:02.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1061.06 +/- 2	4O0	4	0	3,840,424:75:0	
3364	97	53	23:33:14.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1058.25 +/- 2	4O0	4	0	3,840,425:02:0	
3365	97	54	00:53:04.533	165HE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,840,503:89:0	
3366	97	54	00:53:05.200	165HE4B	7SCAN	NORM,160.161999,	Check S/P Position	4O0	4	0	3,840,503:90:0	
3367	97	54	00:56:59.200	117HE	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	3,840,507:77:0	
3368	97	54	00:57:08.533	176HE6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4O0	4	0	3,840,508:00:0	
3369	97	54	00:57:08.533	117HE105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.61	4O0	4	0	3,840,508:00:0	
3370	97	54	00:57:30.533	117HE11A	**CSMOS**	GE	***** GROUP END CSMOS	4O0	4	0	3,840,508:33:0	
3371	97	54	00:57:41.866	176HE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	3,840,508:50:0	
3372	97	54	00:57:43.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1058.19 +/- 2	4O0	4	0	3,840,508:53:0	
3373	97	54	00:57:53.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1059.31 +/- 2	4O0	4	0	3,840,508:68:0	
3374	97	54	00:58:01.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1057.59 +/- 2	4O0	4	0	3,840,508:79:0	
3375	97	54	01:08:22.533	20KB4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,840,519:10:0	
3376	97	54	01:29:59.866		DMS:	: READY	RDY, TRACK 4, REV, TIC 1057.53 +/- 2	4O0	4	0	3,840,540:45:0	
3377	**97**	**54**	**01:30:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,540:45:2**	
3378	**97**	**54**	**01:30:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,540:45:2**	
3379	**97**	**54**	**01:30:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,540:45:2**	
3380	**97**	**54**	**01:30:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,840,540:45:2**	
3381	**97**	**54**	**01:30:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,540:45:2**	
3382	**97**	**54**	**01:30:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,540:45:2**	
3383	**97**	**54**	**01:30:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,540:45:2**	
3384	**97**	**54**	**01:30:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,840,540:45:2**	
3385	**97**	**54**	**01:30:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**3,840,540:45:2**	

			Sequence:	E06B-AR		Created: 3/14/97	Begin: 97-045/01:30:00 Finish: 97-066/16:00:00				
Line	**YR**	**DOY**	**SCET - GMT**	**PSID**	**Command**	**Parameters**	**Description**	**GCM**	**GO**	**GS**	**RIM MF I**
1	97	54	01:29:59.866		DMS:	: READY	RDY, TRACK 4, REV, TIC 1020.00 +/- 2	4O0	4	0	3,840,540:45:0
2	**97**	**54**	**01:30:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,540:45:2**
3	**97**	**54**	**01:30:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**3,840,540:45:2**
4	**97**	**54**	**01:30:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,540:45:2**
5	**97**	**54**	**01:30:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,540:45:2**
6	**97**	**54**	**01:30:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,540:45:2**
7	**97**	**54**	**01:30:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,840,540:45:2**
8	**97**	**54**	**01:30:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,540:45:2**
9	**97**	**54**	**01:30:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,840,540:45:2**
10	**97**	**54**	**01:30:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,540:45:2**
11	97	54	01:31:25.866	488AA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,840,541:83:0
12	97	54	01:31:30.533	432JD431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	3,840,541:90:0
13	97	54	01:31:31.200	432JD6B	6RTSL1		R/T Select of DDS and	4O0	4	0	3,840,542:00:0
14	**97**	**54**	**01:31:31.200**	**432JD6C**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**4O0**	**4**	**0**	**3,840,542:00:0**
15	97	54	01:31:58.533	418JT6A	6BUFLO	2	MUB Buffer low water m	4O0	4	0	3,840,542:41:0
16	97	54	01:31:58.533	418JT6B	6BUFHI	10	MUB Buffer high water	4O0	4	0	3,840,542:41:0
17	97	54	01:31:59.866	444UA443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,840,542:43:0
18	97	54	01:37:39.200	41BG99A	**POWER**	**PWR MODE change**	Change to Calib/Decon Mode	4O0	4	0	3,840,548:06:0
19	**97**	**54**	**01:37:43.200**	**41BG3G**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,548:12:0**
20	**97**	**54**	**01:37:53.200**	**41BG3H**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,548:27:0**
21	**97**	**54**	**01:38:03.200**	**41BG3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,548:42:0**
22	**97**	**54**	**01:38:13.200**	**41BG3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,548:57:0**
23	**97**	**54**	**01:38:23.200**	**41BG3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,840,548:72:0**
24	**97**	**54**	**01:38:33.200**	**41BG3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,840,548:87:0**
25	97	54	01:49:33.200	175ZQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,840,559:76:0
26	97	54	01:49:41.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1021.41 +/- 2	4O0	4	0	3,840,559:87:8
27	97	54	01:49:42.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1021.29 +/- 2	4O0	4	0	3,840,559:89:9
28	97	54	01:49:42.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1021.29 +/- 2	4O0	4	0	3,840,559:89:9
29	97	54	01:49:42.533	175ZQ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	3,840,559:90:0
30	97	54	01:49:59.866	481UA4A	7VECT		Inert vect update UTC	4O0	4	0	3,840,560:25:0
31	97	54	01:54:49.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 949.25 +/- 2	4O0	4	0	3,840,565:05:0
32	97	54	01:54:49.866	175ZQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,840,565:05:0
33	97	54	01:58:39.200	41BF99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	4O0	4	0	3,840,568:76:0
34	**97**	**54**	**01:58:43.200**	**41BF3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,568:82:0**
35	**97**	**54**	**01:58:53.200**	**41BF3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,840,569:06:0**
36	**97**	**54**	**02:01:03.200**	**41BF3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,840,571:19:0**
37	**97**	**54**	**02:01:13.200**	**41BF3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,840,571:34:0**
38	**97**	**54**	**02:01:23.200**	**41BF3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,840,571:49:0**
39	**97**	**54**	**02:01:33.200**	**41BF3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,840,571:64:0**
40	97	54	02:09:03.866	20UA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,840,579:12:0
41	97	54	02:09:53.866	20UA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,840,579:87:0
42	97	54	02:10:57.200	176ZA6A	6TMREC	**IPB**	INITIATE PLAYBACK (PB CONTROL) Record Mod	4O0	4	0	3,840,581:00:0
43	97	54	02:49:59.866	418JB6A	6BUFLO	2	MUB Buffer low water m	4O0	4	0	3,840,619:56:0
44	97	54	02:49:59.866	418JB6B	6BUFHI	4	MUB Buffer high water	4O0	4	0	3,840,619:56:0
45	**97**	**54**	**03:10:41.267**	**E6NNSHDOFF01-**		**-----START------**		**4O0**	**4**	**0**	**: :**
46	97	54	03:58:37.866	488AA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,840,687:45:0
47	97	54	04:24:13.866	488AA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,840,712:74:0
48	97	54	05:25:41.200	488AA6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,840,773:54:0
49	97	54	05:32:29.866	488AB6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,840,780:30:0
50	97	54	06:25:50.533	488AB6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,840,833:08:0
51	97	54	07:43:12.533	488AB6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,840,909:55:0
52	97	54	08:14:59.866	418JC6A	6BUFLO	2	MUB Buffer low water m	4O0	4	0	3,840,941:04:0
53	97	54	08:14:59.866	418JC6B	6BUFHI	10	MUB Buffer high water	4O0	4	0	3,840,941:04:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	97	54	08:16:45.866	488AB6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,840,942:72:0	
55	97	54	08:25:29.200	488AB6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,840,951:38:0	
56	97	54	11:47:57.800	488AC6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,841,151:61:0	
57	97	54	12:47:22.466	488AC6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,841,210:39:0	
58	97	54	14:21:33.800	488AC6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,841,303:53:0	
59	97	54	14:27:35.133	488AC6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,841,309:49:0	
60	97	54	14:29:25.800	488AC6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,841,311:33:0	
61	97	54	15:28:59.800	488AD6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,841,370:25:0	
62	97	54	15:34:25.800	488AD6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,841,375:59:0	
63	97	54	16:33:59.800	488AD6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,841,434:51:0	
64	97	54	17:57:01.800	488AD6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,841,516:62:0	
65	97	54	19:41:33.800	488AD6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	3,841,620:06:0	
66	97	54	21:17:33.800	488AE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,841,715:01:0	
67	97	54	22:55:39.800	488AE6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,841,812:03:0	
68	97	54	23:10:53.800	488AE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,841,827:09:0	
69	97	55	00:57:58.466	176ZB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	3,841,933:00:0	
70	97	55	01:01:19.800	20SM4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,841,936:29:0	
71	97	55	01:20:19.800	20SM4D	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	3,841,955:10:0	
72	97	55	03:45:00.466	488AF6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,842,098:18:0	
73	97	55	03:47:57.800	488AF6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,842,101:11:0	
74	97	55	04:01:03.800	20Z6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,842,114:07:0	
75	**97**	**55**	**04:47:59.800**	**20Z6B**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4O0**	**4**	**0**	**3,842,160:45:0**	
76	97	55	04:48:59.800	20Z6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,842,161:44:0	
77	**97**	**55**	**06:30:59.800**	**20Z6D**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,842,262:33:0**	
78	97	55	06:31:59.800	20Z6E	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,842,263:32:0	
79	97	55	06:41:59.800	474AA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	3,842,273:22:0	
80	97	55	06:43:59.800	474AA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,842,275:20:0	
81	97	55	06:48:13.800	474AA416A4E	7BURN	,213.9478,-17.99	ALERT -- Thruster fire	4O0	4	0	3,842,279:37:0	
82	97	55	08:13:43.133	474AA416A4I	7BURN	,213.9478,-17.99	ALERT -- Thruster fire	4O0	4	0	3,842,363:87:0	
83	97	55	09:39:11.800	474AA416A4O	7BURN	,213.9478,-17.99	ALERT -- Thruster fire	4O0	4	0	3,842,448:45:0	
84	97	55	11:05:01.800	474AA416A4V	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,842,533:35:0	
85	97	55	11:07:59.800	20Z6F	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,842,536:29:0	
86	97	55	12:00:14.466	432JF431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,842,587:90:0	
87	97	55	12:00:15.133	432JF6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,842,588:00:0	
88	97	55	12:00:45.800	488AG6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,842,588:46:0	
89	97	55	12:00:59.800	444UB443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,842,588:67:0	
90	97	55	12:07:14.466	488AG6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,842,594:83:0	
91	97	55	12:08:03.800	20UD4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,842,595:66:0	
92	97	55	12:08:53.800	20UD4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,842,596:50:0	
93	97	55	12:09:21.133	176ZH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	3,842,597:00:0	
94	97	55	12:58:21.800	488AG6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,842,645:43:0	
95	97	55	14:17:17.800	488AG6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,842,723:49:0	
96	97	55	14:54:24.400	488AG6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,842,760:22:0	
97	97	55	15:52:52.400	41BB99A	**POWER**	**PWR MODE change**	Change to Calib/Decon Mode	4O0	4	0	3,842,818:06:0	
98	**97**	**55**	**15:52:56.400**	**41BB3G**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,842,818:12:0**	
99	**97**	**55**	**15:53:06.400**	**41BB3H**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,842,818:27:0**	
100	**97**	**55**	**15:53:16.400**	**41BB3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,842,818:42:0**	
101	**97**	**55**	**15:53:26.400**	**41BB3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,842,818:57:0**	
102	**97**	**55**	**15:53:36.400**	**41BB3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,842,818:72:0**	
103	**97**	**55**	**15:53:46.400**	**41BB3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,842,818:87:0**	
104	97	55	15:53:58.400	488AH6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,842,819:14:0	
105	97	55	16:03:55.733	176XU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	3,842,829:00:0	
106	**97**	**55**	**16:05:01.267**	**E6NNSHDOFF01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
107	**97**	**55**	**16:05:01.267**	**E6NNRCTRLT01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
108	97	55	16:07:01.733	20XE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,842,832:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
109	97	55	16:11:08.400	20UO4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	3,842,836:12:0	
110	97	55	16:11:58.400	20UO4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	3,842,836:87:0	
111	97	55	16:14:02.400	176XV6A	6TMREC	**RPB**		RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	3,842,839:00:0	
112	**97**	**55**	**16:15:03.066**	**185XE10A3A**	**40HRP**		**1**	**RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,842,840:00:0**	
113	**97**	**55**	**16:15:08.400**	**185XE10B3A**	**40HRP**		**2**	**RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,842,840:08:0**	
114	97	55	17:57:01.733	488AH6B	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	3,842,940:78:0	
115	97	55	18:19:52.400	488AH6C	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	4O0	4	0	3,842,963:41:0	
116	97	55	18:33:21.066	488AH6D	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	3,842,976:71:0	
117	97	55	19:37:17.733	488AH6E	6TMSED	NORM,AL7		Sci, Eng, and D/L Chan	4O0	4	0	3,843,040:02:0	
118	97	55	21:17:33.733	488AI6A	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	3,843,139:17:0	
119	97	55	22:55:37.733	488AI6B	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	4O0	4	0	3,843,236:16:0	
120	97	55	23:18:42.400	488AI6C	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	3,843,259:00:0	
121	97	56	01:29:59.733	418JD6A	6BUFLO		2	MUB Buffer low water m	4O0	4	0	3,843,388:77:0	
122	97	56	01:29:59.733	418JD6B	6BUFHI		4	MUB Buffer high water	4O0	4	0	3,843,388:77:0	
123	97	56	03:54:21.733	488AJ6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	3,843,531:57:0	
124	97	56	04:09:49.733	125XE	NIMSINIT	GS		##### GROUP START INIT	4O0	4	0	3,843,546:84:0	
125	**97**	**56**	**04:09:49.733**	**125XE4A**	**37IST**	**1,0,0,OFF,0,0,0**		**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,843,546:84:0**	
126	**97**	**56**	**04:10:50.400**	**125XE4B**	**37IST**	**1,2,0,OFF,0,0,0**		**Chopper ON, Sync, Chopper (Ref)**	**4R0**	**4**	**0**	**3,843,547:84:0**	
127	**97**	**56**	**04:11:51.066**	**125XE4C**	**37IST**	**0,2,0,OFF,0,1,3**		**Gain State 1**	**1R0**	**4**	**0**	**3,843,548:84:0**	
128	97	56	04:12:51.733	125XE11A	NIMSINIT	GE		##### GROUP END INIT	1R0	4	0	3,843,549:84:0	
129	**97**	**56**	**04:12:51.733**	**125XE4D**	**37MB**	**1B,1B,0,0,0,0**		**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,843,549:84:0**	
130	97	56	04:13:33.733	488AJ6B	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	1R0	4	0	3,843,550:56:0	
131	97	56	04:14:53.066	127XE	NIMSTAB	GS		%%%%% GROUP START TAB	1R0	4	0	3,843,551:84:0	
132	**97**	**56**	**04:14:53.066**	**127XE4A**	**37IOP**	**3,0**		**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**3,843,551:84:0**	
133	**97**	**56**	**04:14:53.733**	**127XE4B**	**37ETB**	**0A,CA,18,03,FF,1**		**Loads wavelength edit table**	**1R3**	**4**	**0**	**3,843,551:85:0**	
134	97	56	04:15:01.733	127XE11A	NIMSTAB	GE		%%%%% GROUP END TAB	1R3	4	0	3,843,552:06:0	
135	97	56	04:19:00.400	176XE6A	6TMREC	**PPB**		PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	3,843,556:00:0	
136	97	56	04:25:04.400	192XE4A	**7CONE**	**17.0,119.7**		Check S/P Position	1R3	4	0	3,843,562:00:0	
137	**97**	**56**	**04:27:25.733**	**432XE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**		**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,843,564:30:0**	
138	**97**	**56**	**04:28:25.066**	**432XF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**		**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,843,565:28:0**	
139	97	56	04:31:08.400	192XE4B	**7CONE**	**17.0,0.0**		Check S/P Position	1R3	4	0	3,843,568:00:0	
140	**97**	**56**	**04:33:29.733**	**432XU6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**		**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,843,570:30:0**	
141	**97**	**56**	**04:35:29.733**	**432XV6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**		**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,843,572:28:0**	
142	97	56	04:37:12.400	192XE4C	**7CONE**	**17.0,119.7**		Check S/P Position	1R3	4	0	3,843,574:00:0	
143	**97**	**56**	**04:39:13.733**	**185XE10C3A**	**40HRPR**		**1**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**3,843,576:00:0**	
144	**97**	**56**	**04:39:19.066**	**185XE10D3A**	**40HRPR**		**2**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**3,843,576:08:0**	
145	**97**	**56**	**04:39:33.733**	**432XW6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**		**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,843,576:30:0**	
146	**97**	**56**	**04:40:33.066**	**432XY6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**		**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,843,577:28:0**	
147	**97**	**56**	**04:42:20.599**	**E6NNRCTRLT01-**		**-----STOP-------**			**1R3**	**4**	**0**	**: :**	
148	97	56	04:43:16.400	192XE4D	**7CONE**	**17.0,153.0**		Check S/P Position	1R3	4	0	3,843,580:00:0	
149	97	56	04:44:12.400	127XF	NIMSTAB	GS		%%%%% GROUP START TAB	1R3	4	0	3,843,580:84:0	
150	**97**	**56**	**04:44:12.400**	**127XF4A**	**37IOP**	**0,0**		**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**3,843,580:84:0**	
151	**97**	**56**	**04:44:13.066**	**127XF4B**	**37ETB**	**04,C4,02,00,00**		**Loads wavelength edit table**	**1R0**	**4**	**0**	**3,843,580:85:0**	
152	97	56	04:44:21.066	127XF11A	NIMSTAB	GE		%%%%% GROUP END TAB	1R0	4	0	3,843,581:06:0	
153	**97**	**56**	**04:47:14.400**	**125XF4A**	**37MB**	**0,0,0,0,0,0**		**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,843,583:84:0**	
154	97	56	04:47:14.400	125XF	NIMSINIT	GS		##### GROUP START INIT	1R0	4	0	3,843,583:84:0	
155	**97**	**56**	**04:48:15.066**	**125XF4B**	**37IST**	**1,0,0,OFF,0,0,0**		**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**3,843,584:84:0**	
156	**97**	**56**	**04:49:15.733**	**125XF4C**	**37IST**	**1,1,0,OFF,0,0,0**		**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**3,843,585:84:0**	
157	97	56	04:49:15.733	125XF11A	NIMSINIT	GE		##### GROUP END INIT	1O0	4	0	3,843,585:84:0	
158	97	56	04:55:28.400	41BK99A	**POWER**	**PWR MODE change**		Change to Maneuver Mode	1O0	4	0	3,843,592:06:0	
159	**97**	**56**	**04:55:32.400**	**41BK3K**	**37F2PR**		**1**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,843,592:12:0**	
160	**97**	**56**	**04:55:42.400**	**41BK3L**	**37F2PR**		**2**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,843,592:27:0**	
161	**97**	**56**	**04:57:52.400**	**41BK3G**	**40T1P**		**1**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,843,594:40:0**	
162	**97**	**56**	**04:58:02.400**	**41BK3H**	**40T1P**		**2**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,843,594:55:0**	
163	**97**	**56**	**04:58:12.400**	**41BK3I**	**40T2**		**1**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,843,594:70:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
164	**97**	**56**	**04:58:22.400**	**41BK3J**	**40T2**		**2**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,843,594:85:0**	
165	97	56	05:05:39.066	20UN4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	1O0	4	0	3,843,602:12:0	
166	97	56	05:06:29.066	20UN4B	7SLEW	DIS,POS,0.0		Stator movement	1O0	4	0	3,843,602:87:0	
167	97	56	05:08:33.066	176XF6A	6TMREC	**RPB**		RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,843,605:00:0	
168	97	56	05:21:04.400	488AJ6C	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,843,617:35:0	
169	97	56	05:28:13.733	488AJ6D	6TMSED	FILL,AL2		Sci, Eng, and D/L Chan	1O0	4	0	3,843,624:42:0	
170	97	56	06:10:53.733	488AJ6E	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	1O0	4	0	3,843,666:60:0	
171	97	56	06:40:45.733	488AK6A	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	1O0	4	0	3,843,696:18:0	
172	97	56	08:59:59.733	418JE6A	6BUFLO		2	MUB Buffer low water m	1O0	4	0	3,843,833:82:0	
173	97	56	08:59:59.733	418JE6B	6BUFHI		10	MUB Buffer high water	1O0	4	0	3,843,833:82:0	
174	97	56	09:20:45.733	488AK6B	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,843,854:40:0	
175	97	56	10:14:05.733	488AK6C	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	1O0	4	0	3,843,907:17:0	
176	97	56	12:58:21.733	488AL6A	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	1O0	4	0	3,844,069:59:0	
177	97	56	13:24:19.733	488AL6B	6TMSED	FILL,AL2		Sci, Eng, and D/L Chan	1O0	4	0	3,844,095:30:0	
178	97	56	13:45:17.733	488AL6C	6TMSED	FILL,AL3		Sci, Eng, and D/L Chan	1O0	4	0	3,844,116:06:0	
179	97	56	14:36:29.733	488AL6D	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,844,166:64:0	
180	97	56	15:23:55.733	488AL6E	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,844,213:56:0	
181	97	56	17:50:37.733	488AM6A	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	1O0	4	0	3,844,358:64:0	
182	97	56	19:30:53.733	488AM6B	6TMSED	NORM,AL7		Sci, Eng, and D/L Chan	1O0	4	0	3,844,457:79:0	
183	97	56	21:13:17.666	488AM6C	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	1O0	4	0	3,844,559:13:0	
184	**97**	**57**	**02:59:56.333**	**432JG6B**	**6RTDS2**	**NIMNCG,AACDSL,RT**		**AACS DESELECT**	**1O0**	**4**	**0**	**3,844,901:89:0**	
185	97	57	03:47:57.666	488AN6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,844,949:43:0	
186	97	57	04:09:17.666	488AN6B	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,844,970:52:0	
187	97	57	05:16:27.666	488AN6C	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,845,037:00:0	
188	97	57	05:23:57.666	488AN6D	6TMSED	FILL,AL2		Sci, Eng, and D/L Chan	1O0	4	0	3,845,044:38:0	
189	97	57	06:10:55.666	488AN6E	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	1O0	4	0	3,845,090:79:0	
190	97	57	06:36:29.666	488AO6A	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	1O0	4	0	3,845,116:14:0	
191	97	57	09:35:41.666	488AO6B	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,845,293:35:0	
192	97	57	09:52:45.666	488AO6C	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	1O0	4	0	3,845,310:24:0	
193	97	57	12:54:05.666	488AP6A	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	1O0	4	0	3,845,489:55:0	
194	97	57	12:57:33.000	488AP6B	6TMSED	FILL,AL2		Sci, Eng, and D/L Chan	1O0	4	0	3,845,493:02:0	
195	97	57	13:41:01.666	488AP6C	6TMSED	FILL,AL3		Sci, Eng, and D/L Chan	1O0	4	0	3,845,536:02:0	
196	97	57	14:32:13.666	488AP6D	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,845,586:60:0	
197	97	57	14:55:59.666	488AP6E	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,845,610:15:0	
198	97	57	16:58:27.666	488AQ6A	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,845,731:26:0	
199	97	57	17:50:37.666	488AQ6B	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	1O0	4	0	3,845,782:80:0	
200	97	57	19:30:53.666	488AQ6C	6TMSED	FILL,AL7		Sci, Eng, and D/L Chan	1O0	4	0	3,845,882:04:0	
201	97	57	21:09:01.666	488AQ6D	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	1O0	4	0	3,845,979:09:0	
202	97	58	03:47:57.600	488AR6A	6TMSED	FILL,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,846,373:59:0	
203	97	58	04:02:53.600	488AR6B	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,846,388:38:0	
204	97	58	05:17:33.600	488AR6C	6TMSED	FILL,AL2		Sci, Eng, and D/L Chan	1O0	4	0	3,846,462:24:0	
205	97	58	06:32:13.600	488AR6D	6TMSED	FILL,AL3		Sci, Eng, and D/L Chan	1O0	4	0	3,846,536:10:0	
206	97	58	09:20:45.600	488AR6E	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,846,702:72:0	
207	97	58	10:03:25.600	488AS6A	6TMSED	FILL,AL3		Sci, Eng, and D/L Chan	1O0	4	0	3,846,744:90:0	
208	97	58	11:37:28.933	488AS6B	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	1O0	4	0	3,846,838:01:0	
209	97	58	11:58:42.266	176BA6A	6TMREC	**PPB**		PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,846,859:00:0	
210	97	58	12:01:42.933	165BM4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	1O0	4	0	3,846,861:89:0	
211	97	58	12:01:43.600	165BM4B	7SCAN	NORM,305.304996,		Check S/P Position	1O0	4	0	3,846,861:90:0	
212	97	58	12:04:50.933	20UF4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	1O0	4	0	3,846,865:07:0	
213	97	58	12:05:16.266	432BC6A	6RTSL1			R/T Select of DDS and	1O0	4	0	3,846,865:45:0	
214	97	58	12:05:40.933	20UF4B	7SLEW	DIS,POS,0.0		Stator movement	1O0	4	0	3,846,865:82:0	
215	97	58	12:07:48.266	176BB6A	6TMREC	**RPB**		RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,846,868:00:0	
216	97	58	12:54:05.600	488AS6C	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	1O0	4	0	3,846,913:71:0	
217	97	58	13:26:05.600	488AS6D	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	1O0	4	0	3,846,945:39:0	
218	97	58	14:25:49.600	488AS6E	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,847,004:46:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	97	58	17:46:21.600	488AT6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,847,202:76:0	
220	97	58	19:26:37.600	488AT6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,847,302:00:0	
221	97	58	21:09:01.600	488AT6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,847,403:25:0	
222	97	59	03:43:41.600	488AU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,847,793:55:0	
223	97	59	04:02:53.600	488AU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,847,812:54:0	
224	97	59	05:10:48.266	488AU6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,847,879:69:0	
225	97	59	05:17:33.600	488AU6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,847,886:40:0	
226	97	59	06:11:01.600	488AU6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,847,939:29:0	
227	97	59	07:28:00.266	488AV6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,848,015:41:0	
228	97	59	07:59:41.600	488AV6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,848,046:72:0	
229	97	59	08:09:34.933	488AV6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,848,056:52:0	
230	97	59	11:28:45.533	488AV6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,848,253:51:0	
231	97	59	13:36:45.533	488AW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,848,380:14:0	
232	97	59	14:21:33.533	488AW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,848,424:42:0	
233	97	59	14:51:18.200	488AW6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,848,453:80:0	
234	97	59	15:39:57.533	488AW6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,848,502:00:0	
235	97	59	17:46:21.533	488AW6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,848,627:01:0	
236	97	59	19:26:37.533	488AX6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,848,726:16:0	
237	97	59	21:02:37.533	488AX6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,848,821:11:0	
238	97	60	03:39:25.533	488AY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,849,213:51:0	
239	97	60	04:02:53.533	488AY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,849,236:70:0	
240	97	60	05:06:12.200	488AY6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,849,299:35:0	
241	97	60	05:13:17.533	488AY6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,849,306:36:0	
242	97	60	06:01:04.866	488AY6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,849,353:60:0	
243	97	60	06:21:33.533	488AZ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,849,373:83:0	
244	97	60	08:35:57.533	488AZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,849,506:76:0	
245	97	60	10:39:41.533	488AZ6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,849,629:19:0	
246	97	60	12:47:41.533	488BA6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,849,755:73:0	
247	97	60	13:32:29.533	488BA6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,849,800:10:0	
248	97	60	14:10:53.533	488BA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,849,838:08:0	
249	97	60	17:42:05.466	488BA6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,850,046:88:0	
250	97	60	19:22:21.466	488BB6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,850,146:12:0	
251	97	60	21:04:45.466	488BB6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,850,247:37:0	
252	97	61	03:39:25.466	488BC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,850,637:67:0	
253	97	61	04:02:53.466	488BC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,850,660:86:0	
254	97	61	05:01:36.133	488BC6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,850,719:01:0	
255	97	61	05:09:01.466	488BC6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,850,726:32:0	
256	97	61	05:56:08.800	488BC6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,850,772:87:0	
257	97	61	06:17:17.466	488BD6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,850,793:79:0	
258	97	61	08:12:29.466	488BD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,850,907:73:0	
259	97	61	10:54:37.466	488BD6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,851,068:14:0	
260	97	61	12:47:41.466	488BE6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,851,179:89:0	
261	97	61	13:26:05.466	488BE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,851,217:87:0	
262	97	61	14:06:37.466	488BE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,851,258:04:0	
263	97	61	17:35:41.466	488BE6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,851,464:74:0	
264	97	61	19:15:57.466	488BF6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,851,563:89:0	
265	97	61	20:58:21.400	488BF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,851,665:23:0	
266	97	62	03:33:01.400	488BG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,852,055:53:0	
267	97	62	04:09:17.400	488BG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,852,091:41:0	
268	97	62	05:01:37.400	488BG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,852,143:19:0	
269	97	62	05:09:01.400	488BG6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,852,150:48:0	
270	97	62	05:56:12.066	488BG6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,852,197:17:0	
271	97	62	06:10:53.400	488BH6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,852,211:65:0	
272	97	62	07:51:09.400	488BH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,852,310:80:0	
273	97	62	11:09:33.400	488BH6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,852,507:09:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	97	62	12:49:49.400	488BI6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,852,606:24:0	
275	97	62	13:41:01.400	488BI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,852,656:82:0	
276	97	62	14:34:02.733	488BI6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,852,709:31:0	
277	97	62	15:33:36.733	488BI6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,852,768:23:0	
278	97	62	17:35:41.400	488BI6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,852,888:90:0	
279	97	62	19:15:57.400	488BJ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,852,988:14:0	
280	97	62	20:58:21.400	488BJ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,853,089:39:0	
281	97	62	22:35:15.400	488BJ6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,853,185:24:0	
282	97	62	22:58:20.066	488BJ6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,853,208:08:0	
283	97	63	03:33:01.333	488BK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,853,479:69:0	
284	97	63	04:09:17.333	488BK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,853,515:57:0	
285	97	63	04:57:01.333	488BK6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,853,562:76:0	
286	97	63	05:04:45.333	488BK6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,853,570:44:0	
287	97	63	05:51:16.000	488BK6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,853,616:44:0	
288	97	63	07:06:21.333	488BL6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,853,690:68:0	
289	97	63	07:19:00.666	488BL6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,853,703:24:0	
290	97	63	07:50:27.333	488BL6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,853,734:33:0	
291	97	63	11:47:57.333	488BL6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,853,969:23:0	
292	97	63	13:36:45.333	488BM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,854,076:78:0	
293	97	63	14:23:58.666	488BM6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,854,123:51:0	
294	97	63	15:28:32.666	488BM6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,854,187:38:0	
295	97	63	17:27:09.333	488BM6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,854,304:66:0	
296	97	63	19:15:57.333	488BM6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,854,412:30:0	
297	97	63	20:54:05.333	488BN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,854,509:35:0	
298	97	63	22:30:11.333	488BN6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,854,604:39:0	
299	97	63	22:53:16.000	488BN6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,854,627:23:0	
300	97	64	03:28:45.333	488BO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,854,899:65:0	
301	97	64	04:02:53.333	488BO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,854,933:43:0	
302	97	64	04:57:13.333	488BO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,854,987:19:0	
303	97	64	05:04:45.333	488BO6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,854,994:60:0	
304	97	64	05:15:25.333	488BO6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,855,005:19:0	
305	97	64	12:10:15.933	432BE6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,855,415:45:0	
306	97	64	17:31:01.266	488BP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,855,732:66:0	
307	97	64	18:16:13.266	488BP6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,855,777:39:0	
308	97	64	19:15:57.266	488BP6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,855,836:46:0	
309	97	64	22:45:43.933	488BP6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,856,043:89:0	
310	97	64	22:49:17.266	488BP6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,856,047:45:0	
311	97	65	05:46:24.600	488BQ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,856,460:03:0	
312	97	65	05:55:57.266	488BQ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,856,469:43:0	
313	97	65	07:27:41.266	488BQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,856,560:18:0	
314	97	65	11:13:49.266	488BQ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,856,783:77:0	
315	97	65	12:43:25.266	488BR6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,856,872:42:0	
316	97	65	13:26:05.266	488BR6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,856,914:60:0	
317	97	65	14:23:50.600	488BR6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,856,971:71:0	
318	97	65	15:23:24.533	488BR6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,857,030:63:0	
319	97	65	17:27:09.200	488BR6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,857,153:07:0	
320	97	65	19:07:25.200	488BS6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,857,252:22:0	
321	97	65	20:49:49.200	488BS6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,857,353:47:0	
322	97	65	22:25:03.866	488BS6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,857,447:65:0	
323	97	65	22:48:08.533	488BS6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,857,470:49:0	
324	97	66	03:18:05.200	488BT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,857,737:47:0	
325	97	66	03:58:37.200	488BT6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,857,777:55:0	
326	97	66	04:51:25.866	488BT6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,857,829:76:0	
327	97	66	04:58:21.200	488BT6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,857,836:62:0	
328	97	66	05:41:28.533	488BT6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,857,879:30:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	97	66	06:51:25.200	488BU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,857,948:46:0	
330	97	66	07:08:47.200	488BU6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,857,965:62:0	
331	97	66	07:40:13.866	488BU6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,857,996:71:0	
332	97	66	11:43:41.200	488BU6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,858,237:51:0	
333	97	66	13:02:37.200	488BV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,858,315:57:0	
334	97	66	13:36:45.200	488BV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,858,349:35:0	
335	97	66	14:30:51.200	488BV6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,858,402:81:0	
336	97	66	15:19:30.533	488BV6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,858,451:01:0	
337	97	66	15:55:53.866	176ZK6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,858,487:00:0	
338	97	66	15:59:59.866		DMS:	: READY	RDY, TRACK 4, REV, TIC 949.19 +/- 2	1O0	4	0	3,858,491:05:0	
339	**97**	**66**	**16:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**1O0**	**4**	**0**	**3,858,491:05:2**	
340	**97**	**66**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,858,491:05:2**	
341	**97**	**66**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**1O0**	**4**	**0**	**3,858,491:05:2**	
342	**97**	**66**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,858,491:05:2**	
343	**97**	**66**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,858,491:05:2**	
344	**97**	**66**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,858,491:05:2**	
345	**97**	**66**	**16:00:00.000**	**20A3FE**	**40T1P**	**Final Condition**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,858,491:05:2**	
346	**97**	**66**	**16:00:00.000**	**20A3FF**	**40T2**	**Final Condition**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,858,491:05:2**	
347	**97**	**66**	**16:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**1O0**	**4**	**0**	**3,858,491:05:2**	

			Sequence:	E06C-ARF		Created: 4/8/97	Begin: 97-066/16:00:00 Finish: 97-089/16:00:00				
Line	**YR**	**DOY**	**SCET - GMT**	**PSID**	**Command**	**Parameters**	**Description**	**GCM**	**GO**	**GS**	**RIM MF I**
1	97	66	15:59:59.866		DMS:	: READY	RDY, TRACK 4, REV, TIC 4247.00 +/-	1O0	4	0	3,858,491:05:0
2	**97**	**66**	**16:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**1O0**	**4**	**0**	**3,858,491:05:2**
3	**97**	**66**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**CMD,37C2PR,20A3E**	**Optics Heater 2 OFF (primary relay)**	**1O0**	**4**	**0**	**3,858,491:05:2**
4	**97**	**66**	**16:00:00.000**	**20A3FA**	**37F1PR**	**CMD,37F1PR,20A3F**	**Radiator Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,858,491:05:2**
5	**97**	**66**	**16:00:00.000**	**20A3FB**	**37F2PR**	**CMD,37F2PR,20A3F**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,858,491:05:2**
6	**97**	**66**	**16:00:00.000**	**20A3FD**	**40HRPR**	**CMD,40HRPR,20A3F**	**RCT Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,858,491:05:2**
7	**97**	**66**	**16:00:00.000**	**20A3FE**	**40T1P**	**CMD,40T1P,20A3FE**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,858,491:05:2**
8	**97**	**66**	**16:00:00.000**	**20A3FF**	**40T2**	**CMD,40T2,20A3FF,**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,858,491:05:2**
9	**97**	**66**	**16:00:00.000**	**20A3EW**	**37A**	**CMD,37A,20A3EW,,**	**NIMS Power ON**	**1O0**	**4**	**0**	**3,858,491:05:2**
10	**97**	**66**	**16:00:00.000**	**20A3EY**	**37C1PR**	**CMD,37C1PR,20A3E**	**Optics Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,858,491:05:2**
11	97	66	16:01:49.200	488AA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,858,492:78:0
12	97	66	16:01:57.866	488AA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,858,493:00:0
13	97	66	16:01:59.866	488AA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,858,493:03:0
14	97	66	16:01:59.866	418JF6A	6BUFLO	2	MUB Buffer low water m	1O0	4	0	3,858,493:03:0
15	97	66	16:01:59.866	418JF6B	6BUFHI	10	MUB Buffer high water	1O0	4	0	3,858,493:03:0
16	97	66	16:04:03.866	20UN4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,858,495:07:0
17	97	66	16:04:53.866	20UN4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,858,495:82:0
18	97	66	16:04:59.866	176SA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,858,496:00:0
19	97	66	17:19:18.533	432BM6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,858,569:45:0
20	97	66	17:27:09.200	488AA6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,858,577:23:0
21	97	66	19:07:25.200	488AA6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,858,676:38:0
22	97	66	20:49:49.200	488AB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,858,777:63:0
23	97	67	03:18:05.133	488AC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,859,161:63:0
24	97	67	03:58:37.133	488AC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,859,201:71:0
25	97	67	04:47:16.466	488AC6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,859,249:82:0
26	97	67	04:54:05.133	488AC6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,859,256:58:0
27	97	67	06:02:33.800	488AC6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,859,324:33:0
28	97	67	07:17:01.133	488AD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,859,398:00:0
29	97	67	11:13:49.133	488AD6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,859,632:18:0
30	97	67	12:01:36.466	488AD6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,859,679:42:0
31	97	67	12:19:57.133	488AD6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,859,697:55:0
32	97	67	12:47:41.133	488AD6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,859,725:03:0
33	97	67	13:20:40.466	488AE6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,859,757:60:0
34	97	67	13:32:29.133	488AE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,859,769:31:0
35	97	67	17:22:53.133	488AE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,859,997:19:0
36	97	67	19:01:01.133	488AE6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,860,094:24:0
37	97	67	20:43:25.133	488AF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,860,195:49:0
38	97	68	03:13:49.133	488AG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,860,581:59:0
39	97	68	03:54:21.066	488AG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,860,621:67:0
40	97	68	04:42:14.400	488AG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,860,669:09:0
41	97	68	04:49:49.066	488AG6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,860,676:54:0
42	97	68	05:36:37.733	488AG6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,860,722:81:0
43	97	68	05:47:25.066	488AH6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,860,733:51:0
44	97	68	07:12:45.066	488AH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,860,817:87:0
45	97	68	11:09:33.066	488AH6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,861,052:14:0
46	97	68	12:34:53.066	488AI6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,861,136:50:0
47	97	68	12:51:57.066	488AI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,861,153:39:0
48	97	68	13:32:29.066	488AI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,861,193:47:0
49	97	68	17:22:53.066	488AI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,861,421:35:0
50	97	68	18:56:45.066	488AJ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,861,514:20:0
51	97	68	20:39:09.066	488AJ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,861,615:45:0
52	97	69	03:13:49.066	488AK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,862,005:75:0
53	97	69	03:54:21.066	488AK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,862,045:83:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	97	69	04:36:34.400	488AK6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,862,087:61:0	
55	97	69	04:43:25.066	488AK6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,862,094:40:0	
56	97	69	05:31:43.066	488AK6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,862,142:19:0	
57	97	69	05:47:25.066	488AL6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,862,157:67:0	
58	97	69	07:12:45.066	488AL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,862,242:12:0	
59	97	69	11:09:33.000	488AL6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,862,476:30:0	
60	97	69	12:34:53.000	488AM6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,862,560:66:0	
61	97	69	13:17:33.000	488AM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,862,602:84:0	
62	97	69	14:13:31.666	488AM6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,862,658:26:0	
63	97	69	14:50:35.666	488AM6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,862,694:86:0	
64	97	69	17:16:29.000	488AM6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,862,839:21:0	
65	97	69	17:20:00.333	488AN6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	1O0	4	0	3,862,842:65:0	
66	97	69	17:43:33.000	176SB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,862,866:00:0	
67	97	69	17:49:00.333	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,862,871:36:0	
68	97	69	17:50:00.333	20UQ4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	1O0	4	0	3,862,872:35:0	
69	97	69	17:52:00.333	20UQ4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	3,862,874:33:0	
70	97	69	17:57:30.333	20UQ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	1O0	4	0	3,862,879:73:0	
71	97	69	17:57:31.000	20UQ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	1O0	4	0	3,862,879:74:0	
72	97	69	17:57:51.000	20UQ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	1O0	4	0	3,862,880:13:0	
73	97	69	17:57:51.666	20UQ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	1O0	4	0	3,862,880:14:0	
74	97	69	17:58:11.666	20UQ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	3,862,880:44:0	
75	97	69	17:58:12.333	20UQ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	3,862,880:45:0	
76	97	69	17:58:22.333	20UQ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	3,862,880:60:0	
77	97	69	17:58:23.000	20UQ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	3,862,880:61:0	
78	97	69	17:58:33.000	20UQ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	1O0	4	0	3,862,880:76:0	
79	97	69	17:58:33.666	20UQ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	1O0	4	0	3,862,880:77:0	
80	97	69	18:00:20.333	20UQ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	1O0	4	0	3,862,882:55:0	
81	97	69	18:00:21.000	20UQ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	1O0	4	0	3,862,882:56:0	
82	97	69	18:00:41.000	20UQ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	1O0	4	0	3,862,882:86:0	
83	97	69	18:00:41.666	20UQ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	1O0	4	0	3,862,882:87:0	
84	97	69	18:01:01.666	20UQ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	3,862,883:26:0	
85	97	69	18:01:02.333	20UQ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	3,862,883:27:0	
86	97	69	18:01:12.333	20UQ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	3,862,883:42:0	
87	97	69	18:01:13.000	20UQ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	3,862,883:43:0	
88	97	69	18:01:23.000	20UQ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	1O0	4	0	3,862,883:58:0	
89	97	69	18:01:23.666	20UQ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	1O0	4	0	3,862,883:59:0	
90	97	69	18:02:20.333	20UQ4Z	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	3,862,884:53:0	
91	97	69	18:30:04.333	20UB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,862,912:01:0	
92	97	69	18:30:54.333	20UB4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,862,912:76:0	
93	97	69	18:31:04.333	176WA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,862,913:00:0	
94	97	69	18:56:45.000	488AN6B	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	1O0	4	0	3,862,938:36:0	
95	97	69	19:28:00.333	488AN6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,862,969:28:0	
96	97	69	20:39:09.000	488AN6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,863,039:61:0	
97	97	69	22:14:43.666	488AN6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,863,134:18:0	
98	97	69	22:41:33.000	488AO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,863,160:66:0	
99	97	70	00:58:19.666	176BE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,863,296:00:0	
100	97	70	01:01:20.333	165BO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,863,298:89:0	
101	97	70	01:01:21.000	165BO4B	7SCAN	NORM,305.304996,	Check S/P Position	1O0	4	0	3,863,298:90:0	
102	97	70	01:04:28.333	20UO4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,863,302:07:0	
103	97	70	01:04:53.666	432BG6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,863,302:45:0	
104	97	70	01:05:18.333	20UO4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,863,302:82:0	
105	97	70	01:07:25.666	176BF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,863,305:00:0	
106	97	70	03:09:33.000	488AO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,863,425:71:0	
107	97	70	03:50:05.000	488AO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,863,465:79:0	
108	97	70	04:36:37.000	488AO6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,863,511:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	97	70	04:43:25.000	488AP6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,863,518:56:0	
110	97	70	05:31:47.666	488AP6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,863,566:42:0	
111	97	70	06:47:09.000	488AP6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,863,640:90:0	
112	97	70	06:58:28.333	488AP6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,863,652:17:0	
113	97	70	07:35:32.333	488AP6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,863,688:77:0	
114	97	70	11:28:45.000	488AQ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,863,919:45:0	
115	97	70	12:47:41.000	488AQ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,863,997:51:0	
116	97	70	13:28:13.000	488AQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,864,037:59:0	
117	97	70	14:15:31.000	488AQ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,864,084:39:0	
118	97	70	14:49:10.333	488AQ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,864,117:65:0	
119	97	70	17:12:12.933	488AR6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,864,259:17:0	
120	97	70	18:56:44.933	488AR6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,864,362:52:0	
121	97	70	20:34:52.933	488AR6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,864,459:57:0	
122	97	71	03:05:16.933	488AS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,864,845:67:0	
123	97	71	03:43:40.933	488AS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,864,883:65:0	
124	97	71	04:32:01.600	488AS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,864,931:48:0	
125	97	71	04:39:08.933	488AS6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,864,938:52:0	
126	97	71	05:26:53.600	488AS6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,864,985:72:0	
127	97	71	06:42:52.933	488AT6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,865,060:86:0	
128	97	71	06:53:22.266	488AT6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,865,071:29:0	
129	97	71	07:30:26.266	488AT6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,865,107:89:0	
130	**97**	**71**	**09:04:08.266**	**31E6A,**	**6CKSUM**	**NIMS**	**NIMS,1000,14B3**	**1O0**	**4**	**0**	**3,865,200:59:0**	
131	97	71	09:04:28.933	31E6B,	6MROH		12 read from LLM1A12,2282,0,A2	1O0	4	0	3,865,200:90:0	
132	97	71	11:24:28.933	488AT6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,865,339:41:0	
133	97	71	12:41:16.933	488AT6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,865,415:37:0	
134	97	71	13:21:48.933	488AU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,865,455:45:0	
135	97	71	14:10:26.266	488AU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,865,503:53:0	
136	97	71	14:44:05.600	488AU6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,865,536:79:0	
137	97	71	18:52:28.933	488AU6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,865,782:48:0	
138	97	71	19:58:36.933	488AV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,865,847:85:0	
139	97	71	20:34:52.933	488AV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,865,883:73:0	
140	**97**	**72**	**01:25:20.867**	**E6NNSHDOFF02-**		**-----START------**		**1O0**	**4**	**0**	**: :**	
141	97	72	02:29:00.866	488AW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,866,234:04:0	
142	97	72	02:55:38.200	488AW6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,866,260:34:0	
143	97	72	03:05:16.866	488AW6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,866,269:83:0	
144	97	72	05:21:58.866	488AW6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,866,405:10:0	
145	97	72	05:36:44.866	488AW6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,866,419:65:0	
146	97	72	07:06:20.866	488AX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,866,508:30:0	
147	97	72	10:54:36.866	488AX6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,866,734:08:0	
148	97	72	12:24:12.866	488AX6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,866,822:64:0	
149	97	72	13:13:16.866	488AY6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,866,871:21:0	
150	97	72	14:03:15.533	488AY6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,866,920:60:0	
151	97	72	14:40:19.533	488AY6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,866,957:29:0	
152	97	72	17:07:56.866	488AY6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,867,103:29:0	
153	97	72	17:31:24.866	488AY6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,867,126:48:0	
154	97	72	18:29:28.866	488AZ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,867,183:87:0	
155	97	72	19:01:18.200	488AZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,867,215:39:0	
156	97	72	22:06:54.866	176SD6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,867,399:00:0	
157	97	72	22:08:00.200	488AZ6C	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	1O0	4	0	3,867,400:07:0	
158	97	72	22:45:00.200	474AA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	3,867,436:61:0	
159	97	72	22:47:00.200	474AA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	3,867,438:59:0	
160	97	72	22:51:14.200	474AA416A4E	7BURN	10.970499,-25.47	ALERT -- Thruster fire	1O0	4	0	3,867,442:76:0	
161	97	72	23:16:06.200	474AA416A4G	7BURN	0.970499,-25.471	ALERT -- Thruster fire	1O0	4	0	3,867,467:39:0	
162	97	73	01:21:37.533	474AA416A4M	7BURN	0.970499,-25.471	ALERT -- Thruster fire	1O0	4	0	3,867,591:52:0	
163	97	73	02:29:00.866	488BA6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	3,867,658:20:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	97	73	02:58:52.866	488BA6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,867,687:69:0	
165	97	73	03:27:08.200	474AA416A4S	7BURN	0.970499,-25.471	ALERT -- Thruster fire	1O0	4	0	3,867,715:64:0	
166	97	73	04:09:16.800	488BA6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,867,757:35:0	
167	97	73	04:19:03.466	488BA6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,867,767:05:0	
168	97	73	04:25:33.466	488BA6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,867,773:44:0	
169	97	73	04:34:52.800	488BB6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,867,782:64:0	
170	97	73	05:32:39.466	474AA416A4Y	7BURN	0.970499,-25.471	ALERT -- Thruster fire	1O0	4	0	3,867,839:77:0	
171	97	73	05:44:16.800	488BB6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,867,851:31:0	
172	97	73	06:42:52.800	488BB6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,867,909:27:0	
173	97	73	06:48:12.800	488BB6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,867,914:52:0	
174	97	73	07:25:16.800	488BB6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,867,951:21:0	
175	97	73	07:39:15.466	488BC6A	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,867,965:05:0	
176	97	73	07:53:10.133	474AA416A4AE	7BURN	0.970499,-25.471	ALERT -- Thruster fire	1O0	4	0	3,867,978:74:0	
177	97	73	10:13:41.466	474AA416A4AK	7BURN	0.970499,-25.471	ALERT -- Thruster fire	1O0	4	0	3,868,117:72:0	
178	97	73	11:09:32.800	488BC6B	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	1O0	4	0	3,868,173:03:0	
179	97	73	12:34:53.466	474AA416A4AR	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	3,868,257:40:0	
180	97	73	13:06:52.800	488BC6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,868,289:07:0	
181	97	73	13:53:10.800	488BD6A	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,868,334:79:0	
182	**97**	**73**	**14:19:40.867**	**E6NNSHDOFF02-**		**-----STOP-------**		**1O0**	**4**	**0**	**: :**	
183	**97**	**73**	**14:19:40.867**	**E6NNRCTRLT02-**		**-----START------**		**1O0**	**4**	**0**	**: :**	
184	97	73	14:28:16.800	488BD6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,868,369:53:0	
185	97	73	14:35:14.800	488BD6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,868,376:43:0	
186	97	73	14:57:44.800	488BD6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,868,398:66:0	
187	97	73	16:15:00.133	488BD6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,868,475:12:0	
188	97	73	16:17:04.133	20WN4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,868,477:16:0	
189	97	73	16:17:54.133	20WN4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,868,478:00:0	
190	97	73	16:18:54.800	176SK6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,868,479:00:0	
191	97	73	17:01:32.800	488BE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,868,521:15:0	
192	97	73	18:48:12.800	488BE6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,868,626:60:0	
193	97	73	20:30:36.800	488BE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,868,727:85:0	
194	97	73	22:04:22.800	488BE6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,868,820:61:0	
195	97	73	22:24:56.133	176SL6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,868,841:00:0	
196	97	73	22:28:00.133	488BE6E	6TMSED	FILL,BA6	Sci, Eng, and D/L Chan	1O0	4	0	3,868,844:03:0	
197	97	73	22:31:12.133	488BF6A	6TMSED	NORM,BA6	Sci, Eng, and D/L Chan	1O0	4	0	3,868,847:18:0	
198	97	73	22:33:00.133	20US4F	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	3,868,848:89:0	
199	97	73	22:37:00.133	20US4G	7STAT	17.45,0.0,90.0	Stator inertial point	1O0	4	0	3,868,852:85:0	
200	97	74	01:30:00.133	488BF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,869,024:03:0	
201	97	74	01:38:07.466	41WK99A	**POWER**	**PWR MODE change**	Change to Calib/Decon Mode	1O0	4	0	3,869,032:06:0	
202	**97**	**74**	**01:38:11.466**	**41WK3G**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,869,032:12:0**	
203	**97**	**74**	**01:38:21.466**	**41WK3H**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,869,032:27:0**	
204	**97**	**74**	**01:38:31.466**	**41WK3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,869,032:42:0**	
205	**97**	**74**	**01:38:41.466**	**41WK3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,869,032:57:0**	
206	**97**	**74**	**01:38:51.466**	**41WK3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,869,032:72:0**	
207	**97**	**74**	**01:39:01.466**	**41WK3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,869,032:87:0**	
208	97	74	01:52:16.800	20XG4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	3,869,046:06:0	
209	97	74	01:56:23.466	20WL4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,869,050:12:0	
210	97	74	01:57:13.466	20WL4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,869,050:87:0	
211	97	74	01:59:17.466	176YE6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,869,053:00:0	
212	**97**	**74**	**02:00:18.133**	**185XG10A3A**	**40HRP**	**1**	**RCT Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,869,054:00:0**	
213	**97**	**74**	**02:00:23.466**	**185XG10B3A**	**40HRP**	**2**	**RCT Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,869,054:08:0**	
214	97	74	02:54:36.800	488BF6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,869,107:65:0	
215	**97**	**74**	**03:28:20.866**	**E6NNRCTRLT02-**		**-----STOP-------**		**1O0**	**4**	**0**	**: :**	
216	97	74	03:35:08.800	488BF6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,869,147:73:0	
217	97	74	04:22:54.133	488BF6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,869,195:03:0	
218	97	74	04:30:36.800	488BG6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,869,202:60:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	97	74	05:22:10.133	488BG6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,869,253:59:0	
220	97	74	06:42:52.800	488BG6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,869,333:43:0	
221	97	74	06:43:02.800	488BG6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,869,333:58:0	
222	97	74	07:20:10.800	488BG6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,869,370:33:0	
223	97	74	11:05:16.733	488BH6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,869,592:90:0	
224	97	74	13:06:52.733	488BH6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,869,713:23:0	
225	97	74	13:53:04.733	488BH6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,869,758:86:0	
226	97	74	13:55:04.733	125XG	NIMSINIT	GS	##### GROUP START INIT	160	4	0	3,869,760:84:0	
227	**97**	**74**	**13:55:04.733**	**125XG4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**3,869,760:84:0**	
228	**97**	**74**	**13:56:05.400**	**125XG4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**1R0**	**4**	**0**	**3,869,761:84:0**	
229	**97**	**74**	**13:57:06.066**	**125XG4C**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**3,869,762:84:0**	
230	97	74	13:58:06.733	125XG11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	3,869,763:84:0	
231	**97**	**74**	**13:58:06.733**	**125XG4D**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,869,763:84:0**	
232	**97**	**74**	**14:00:08.066**	**127XG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**3,869,765:84:0**	
233	97	74	14:00:08.066	127XG	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	3,869,765:84:0	
234	**97**	**74**	**14:00:08.733**	**127XG4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**3,869,765:85:0**	
235	97	74	14:00:16.733	127XG11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	3,869,766:06:0	
236	97	74	14:04:15.400	176XG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	3,869,770:00:0	
237	97	74	14:10:19.400	192XG4A	**7CONE**	**17.0,119.7**	Check S/P Position	1R3	4	0	3,869,776:00:0	
238	**97**	**74**	**14:12:40.733**	**432XG6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,869,778:30:0**	
239	**97**	**74**	**14:13:40.066**	**432XH6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,869,779:28:0**	
240	97	74	14:16:23.400	192XG4B	**7CONE**	**17.0,0.0**	Check S/P Position	1R3	4	0	3,869,782:00:0	
241	**97**	**74**	**14:18:44.733**	**432XI6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,869,784:30:0**	
242	**97**	**74**	**14:20:44.733**	**432YE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,869,786:28:0**	
243	97	74	14:22:27.400	192XG4C	**7CONE**	**17.0,119.7**	Check S/P Position	1R3	4	0	3,869,788:00:0	
244	**97**	**74**	**14:24:28.733**	**185XG10C3A**	**40HRPR**	**1**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**3,869,790:00:0**	
245	**97**	**74**	**14:24:34.066**	**185XG10D3A**	**40HRPR**	**2**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**3,869,790:08:0**	
246	**97**	**74**	**14:24:48.733**	**432YF6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,869,790:30:0**	
247	**97**	**74**	**14:25:48.066**	**432ZE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,869,791:28:0**	
248	97	74	14:28:31.400	192XG4D	**7CONE**	**17.0,153.0**	Check S/P Position	1R3	4	0	3,869,794:00:0	
249	97	74	14:29:27.400	127XH	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	3,869,794:84:0	
250	**97**	**74**	**14:29:27.400**	**127XH4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**3,869,794:84:0**	
251	**97**	**74**	**14:29:28.066**	**127XH4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**1R0**	**4**	**0**	**3,869,794:85:0**	
252	97	74	14:29:36.066	127XH11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R0	4	0	3,869,795:06:0	
253	97	74	14:32:29.400	125XH	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	3,869,797:84:0	
254	**97**	**74**	**14:32:29.400**	**125XH4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,869,797:84:0**	
255	**97**	**74**	**14:33:30.066**	**125XH4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**3,869,798:84:0**	
256	**97**	**74**	**14:34:30.733**	**125XH4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**3,869,799:84:0**	
257	97	74	14:34:30.733	125XH11A	NIMSINIT	GE	##### GROUP END INIT	1O0	4	0	3,869,799:84:0	
258	97	74	14:35:08.733	488BH6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,869,800:50:0	
259	97	74	14:40:43.400	41WL99A	**POWER**	**PWR MODE change**	Change to Maneuver/Playback Mode	1O0	4	0	3,869,806:06:0	
260	**97**	**74**	**14:40:47.400**	**41WL3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,869,806:12:0**	
261	**97**	**74**	**14:40:57.400**	**41WL3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,869,806:27:0**	
262	**97**	**74**	**14:43:07.400**	**41WL3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,869,808:40:0**	
263	**97**	**74**	**14:43:17.400**	**41WL3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,869,808:55:0**	
264	**97**	**74**	**14:43:27.400**	**41WL3I**	**40T2**	**1**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,869,808:70:0**	
265	**97**	**74**	**14:43:37.400**	**41WL3J**	**40T2**	**2**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,869,808:85:0**	
266	97	74	14:50:54.066	20WM4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,869,816:12:0	
267	97	74	14:51:44.066	20WM4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,869,816:87:0	
268	97	74	14:53:48.066	176XH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,869,819:00:0	
269	97	74	17:01:32.733	488BH6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,869,945:31:0	
270	97	74	18:41:48.733	488BI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,870,044:46:0	
271	97	74	20:24:12.733	488BI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,870,145:71:0	
272	97	74	21:59:16.733	488BI6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,870,239:73:0	
273	97	74	22:26:06.066	488BI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,870,266:30:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	97	75	02:29:26.066	432MD431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	3,870,506:90:0	
275	97	75	02:29:26.733	432MD6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,870,507:00:0	
276	97	75	02:54:36.733	488BJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,870,531:81:0	
277	97	75	03:30:52.733	488BJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,870,567:69:0	
278	97	75	04:22:56.733	488BJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,870,619:23:0	
279	97	75	04:30:36.733	488BJ6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,870,626:76:0	
280	97	75	05:12:16.066	488BJ6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,870,668:03:0	
281	97	75	05:32:28.733	488BK6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,870,688:02:0	
282	97	75	07:08:28.733	488BK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,870,782:88:0	
283	97	75	10:35:24.733	488BK6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,870,987:57:0	
284	97	75	12:09:16.733	488BL6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,871,080:42:0	
285	97	75	13:06:52.733	488BL6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,871,137:39:0	
286	97	75	13:52:58.733	488BL6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,871,183:02:0	
287	97	75	14:30:02.733	488BL6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,871,219:62:0	
288	97	75	16:57:16.666	488BL6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,871,365:27:0	
289	97	75	18:37:32.666	488BM6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,871,464:42:0	
290	97	75	20:19:56.666	488BM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,871,565:67:0	
291	97	75	21:54:10.666	488BM6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,871,658:85:0	
292	97	75	22:21:00.000	488BM6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,871,685:42:0	
293	97	76	02:50:20.666	488BN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,871,951:77:0	
294	97	76	03:24:28.666	488BN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,871,985:55:0	
295	97	76	04:17:18.000	488BN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,872,037:77:0	
296	97	76	04:24:12.666	488BN6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,872,044:62:0	
297	97	76	05:17:22.000	488BN6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,872,097:23:0	
298	97	76	06:32:10.000	488BO6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,872,171:21:0	
299	97	76	06:47:08.666	488BO6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,872,186:04:0	
300	97	76	07:14:24.000	176SE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,872,213:00:0	
301	97	76	07:14:58.666	488BO6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,872,213:52:0	
302	97	76	07:23:00.000	488BO6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,872,221:46:0	
303	97	76	07:55:02.000	490UC412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	3,872,253:17:0	
304	97	76	08:00:00.000	490UC412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	3,872,258:09:0	
305	97	76	08:04:10.000	490UC412A4E	7VECT	RTH	Inert vect update UTC	1O0	4	0	3,872,262:20:0	
306	97	76	08:04:14.000	490UC412A4F	7TURN	2,RTH	ALERT Thruster	1O0	4	0	3,872,262:26:0	
307	97	76	08:08:02.000	490UC412A406A4A	7STAR	1,3000,95.710999	Star catalog update	1O0	4	0	3,872,266:04:0	
308	97	76	08:08:04.000	490UC412A406A4B	7STAR	2,217,50.1856,49	Star catalog update	1O0	4	0	3,872,266:07:0	
309	97	76	08:08:06.000	490UC412A406A4C	7STAR	3,0,0.0,0.0	Star catalog update	1O0	4	0	3,872,266:10:0	
310	97	76	08:08:08.000	490UC412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	1O0	4	0	3,872,266:13:0	
311	97	76	08:08:10.000	490UC412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	1O0	4	0	3,872,266:16:0	
312	97	76	08:08:12.000	490UC412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	1O0	4	0	3,872,266:19:0	
313	97	76	09:17:12.666	490UC412A4L	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	3,872,334:42:0	
314	97	76	09:36:00.000	488BO6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,872,353:04:0	
315	97	76	09:37:04.000	20UU4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,872,354:09:0	
316	97	76	09:37:54.000	20UU4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,872,354:84:0	
317	97	76	09:38:59.333	176SF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,872,356:00:0	
318	97	76	10:50:20.666	488BP6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,872,426:52:0	
319	97	76	12:28:28.666	488BP6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,872,523:57:0	
320	97	76	13:13:16.666	488BP6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,872,567:85:0	
321	97	76	13:54:57.333	488BP6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,872,609:14:0	
322	97	76	14:28:36.666	488BP6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,872,642:40:0	
323	97	76	16:57:16.666	488BQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,872,789:43:0	
324	97	76	18:37:32.666	488BQ6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,872,888:58:0	
325	97	76	20:19:56.666	488BQ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,872,989:83:0	
326	97	76	21:58:06.600	176BG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,873,087:00:0	
327	97	76	22:01:07.266	165BP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,873,089:89:0	
328	97	76	22:01:07.933	165BP4B	7SCAN	NORM,312.130997,	Check S/P Position	1O0	4	0	3,873,089:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	97	76	22:04:15.266	20UV4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,873,093:07:0	
330	97	76	22:04:40.600	432BI6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,873,093:45:0	
331	97	76	22:05:05.266	20UV4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,873,093:82:0	
332	97	76	22:07:12.600	176BH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,873,096:00:0	
333	97	77	02:46:04.600	488BR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,873,371:73:0	
334	97	77	03:30:52.600	488BR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,873,416:10:0	
335	97	77	04:12:43.266	488BR6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,873,457:45:0	
336	97	77	04:19:56.600	488BR6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,873,464:58:0	
337	97	77	05:07:27.933	488BR6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,873,511:58:0	
338	97	77	05:17:32.600	488BS6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,873,521:55:0	
339	97	77	06:32:12.600	488BS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,873,595:41:0	
340	97	77	11:01:00.600	488BS6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,873,861:27:0	
341	97	77	12:58:20.600	488BT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,873,977:31:0	
342	97	77	16:53:00.600	488BT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,874,209:39:0	
343	97	77	18:33:16.600	488BT6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,874,308:54:0	
344	97	77	20:15:40.600	488BU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,874,409:79:0	
345	97	78	02:46:04.600	488BV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,874,795:89:0	
346	97	78	03:30:52.600	488BV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,874,840:26:0	
347	97	78	03:59:53.866	432JH431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	1O0	4	0	3,874,868:90:0	
348	97	78	03:59:54.533	432JH6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,874,869:00:0	
349	**97**	**78**	**03:59:54.533**	**432JH6B**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**1O0**	**4**	**0**	**3,874,869:00:0**	
350	97	78	04:12:45.866	488BV6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,874,881:65:0	
351	97	78	04:19:56.533	488BV6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,874,888:74:0	
352	97	78	05:02:33.866	488BV6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,874,930:88:0	
353	97	78	05:13:16.533	488BW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,874,941:51:0	
354	97	78	06:23:40.533	488BW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,875,011:17:0	
355	97	78	11:05:16.533	488BW6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,875,289:63:0	
356	97	78	12:05:00.533	488BX6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,875,348:70:0	
357	97	78	12:37:00.533	488BX6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,875,380:38:0	
358	97	78	13:42:40.533	488BX6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,875,445:33:0	
359	97	78	14:19:44.533	488BX6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,875,482:02:0	
360	97	78	14:32:12.533	488BX6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,875,494:32:0	
361	**97**	**78**	**16:48:00.000**	**E6NNDET3CHK1-**		**-----START------**		**1O0**	**4**	**0**	**: :**	
362	97	78	16:48:44.533	488BY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,875,629:35:0	
363	**97**	**78**	**16:48:56.533**	**31I4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**3,875,629:53:0**	
364	**97**	**78**	**16:49:57.200**	**31I4B**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**3,875,630:53:0**	
365	**97**	**78**	**16:50:57.866**	**31I4C**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**3,875,631:53:0**	
366	**97**	**78**	**16:51:58.533**	**31I4D**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,875,632:53:0**	
367	**97**	**78**	**16:51:59.200**	**31I4E**	**37ETB**	**07,C7,30,E0,00,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,875,632:54:0**	
368	**97**	**78**	**16:52:57.200**	**31I6B**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,875,633:50:0**	
369	**97**	**78**	**16:54:58.533**	**31I6C**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,875,635:50:0**	
370	**97**	**78**	**16:54:59.200**	**31I4F**	**37MB**	**00,00,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**3,875,635:51:0**	
371	**97**	**78**	**16:55:59.866**	**31I4G**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**2R0**	**4**	**0**	**3,875,636:51:0**	
372	**97**	**78**	**16:57:00.533**	**31I4H**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**3,875,637:51:0**	
373	**97**	**78**	**16:58:01.200**	**31I4I**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**2O0**	**4**	**0**	**3,875,638:51:0**	
374	**97**	**78**	**16:59:00.000**	**E6NNDET3CHK1-**		**-----STOP-------**		**2O0**	**4**	**0**	**: :**	
375	97	78	18:33:16.533	488BY6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,875,732:70:0	
376	97	78	20:15:40.533	488BY6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,875,834:04:0	
377	97	78	21:48:52.533	488BY6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,875,926:20:0	
378	97	78	22:08:44.533	488BY6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,875,945:79:0	
379	97	78	22:13:29.866	488BZ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,875,950:52:0	
380	97	78	23:04:12.533	488BZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,876,000:66:0	
381	97	79	02:39:40.533	488BZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,876,213:75:0	
382	97	79	03:30:52.533	488BZ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,876,264:42:0	
383	97	79	04:08:11.200	488BZ6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,876,301:33:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	97	79	04:15:40.533	488CA6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,876,308:70:0	
385	97	79	05:02:39.866	488CA6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,876,355:22:0	
386	97	79	05:09:00.533	488CA6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,876,361:47:0	
387	97	79	06:13:00.533	488CA6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,876,424:74:0	
388	97	79	11:09:32.466	488CB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,876,718:08:0	
389	97	79	12:43:24.466	488CB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,876,810:84:0	
390	97	79	16:48:44.466	488CB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,877,053:51:0	
391	97	79	18:07:40.466	488CC6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,877,131:57:0	
392	97	79	20:09:16.466	488CC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,877,251:81:0	
393	97	79	20:43:24.466	488CC6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,877,285:59:0	
394	97	80	00:14:36.466	488CD6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,877,494:48:0	
395	97	80	02:35:24.466	488CD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,877,633:71:0	
396	97	80	03:30:52.466	488CD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,877,688:58:0	
397	97	80	04:03:36.466	488CD6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,877,721:01:0	
398	97	80	04:11:24.466	488CD6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,877,728:66:0	
399	97	80	04:57:47.133	488CE6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,877,774:54:0	
400	97	80	05:43:08.466	488CE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,877,819:41:0	
401	97	80	06:22:29.800	488CE6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,877,858:34:0	
402	97	80	06:59:33.800	488CE6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,877,895:03:0	
403	97	80	11:30:52.466	488CF6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,878,163:33:0	
404	97	80	12:05:00.466	488CF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,878,197:11:0	
405	97	80	12:32:44.466	488CF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,878,224:50:0	
406	97	80	13:44:32.466	488CF6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,878,295:51:0	
407	97	80	14:18:11.133	488CF6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,878,328:76:0	
408	97	80	16:42:20.400	488CG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,878,471:37:0	
409	97	80	17:52:44.400	488CG6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,878,541:03:0	
410	97	81	00:40:12.400	488CH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,878,944:02:0	
411	97	81	02:35:24.400	488CH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,879,057:87:0	
412	97	81	03:30:52.400	488CH6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,879,112:74:0	
413	97	81	04:03:39.066	488CH6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,879,145:21:0	
414	97	81	04:11:24.400	488CH6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,879,152:82:0	
415	97	81	04:47:53.733	488CI6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,879,188:90:0	
416	97	81	04:54:04.400	488CI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,879,195:09:0	
417	97	81	05:53:48.400	488CI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,879,254:16:0	
418	97	81	11:15:56.400	488CJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,879,572:70:0	
419	97	81	11:29:36.400	488CJ6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,879,586:26:0	
420	97	81	12:32:44.400	488CJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,879,648:66:0	
421	97	81	12:47:20.400	488CJ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,879,663:15:0	
422	97	81	16:42:20.400	488CJ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,879,895:53:0	
423	97	81	17:37:48.400	488CK6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,879,950:40:0	
424	97	81	18:45:46.400	488CK6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,880,017:60:0	
425	97	81	18:48:12.400	488CK6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,880,020:06:0	
426	97	81	18:49:52.400	488CK6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,880,021:65:0	
427	97	81	19:35:08.400	488CK6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,880,066:44:0	
428	97	82	01:01:32.333	488CL6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,880,389:27:0	
429	97	82	02:12:31.000	432BK6A	6RTSL1		R/T Select of DDS and	2O0	4	0	3,880,459:45:0	
430	97	82	02:31:08.333	488CL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,880,477:83:0	
431	97	82	03:30:52.333	488CL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,880,536:90:0	
432	97	82	03:58:01.000	488CL6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,880,563:76:0	
433	97	82	04:05:00.333	488CL6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,880,570:68:0	
434	97	82	04:52:59.666	488CM6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,880,618:19:0	
435	97	82	04:58:20.333	488CM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,880,623:45:0	
436	97	82	05:43:08.333	488CM6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,880,667:73:0	
437	97	82	11:20:12.333	488CN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,881,001:15:0	
438	97	82	12:07:08.333	488CN6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,881,047:53:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	97	82	12:22:04.333	488CN6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,881,062:32:0	
440	97	82	13:28:27.000	488CN6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,881,128:00:0	
441	97	82	13:32:28.333	488CN6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,881,131:89:0	
442	97	82	14:02:58.333	488CO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,881,162:13:0	
443	97	82	16:38:04.333	488CO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,881,315:49:0	
444	97	82	18:18:20.333	488CO6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,881,414:64:0	
445	97	82	21:34:49.000	488CP6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,881,609:02:0	
446	97	82	21:59:21.666	488CP6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,881,633:27:0	
447	97	83	01:10:04.333	488CP6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,881,821:83:0	
448	97	83	02:24:44.333	488CP6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,881,895:69:0	
449	97	83	03:30:52.333	488CP6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,881,961:15:0	
450	97	83	03:53:26.333	488CQ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,881,983:44:0	
451	97	83	04:00:44.333	488CQ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,881,990:64:0	
452	97	83	04:48:06.933	488CQ6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,882,037:51:0	
453	97	83	05:17:32.266	488CQ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,882,066:60:0	
454	97	83	06:12:09.600	488CQ6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,882,120:62:0	
455	97	83	06:49:13.600	488CR6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,882,157:31:0	
456	97	83	11:35:08.266	488CR6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,882,440:10:0	
457	97	83	11:54:20.266	488CR6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,882,459:09:0	
458	97	83	12:13:32.266	488CR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,882,478:08:0	
459	97	83	13:29:12.266	488CS6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,882,552:84:0	
460	97	83	14:02:51.600	488CS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,882,586:19:0	
461	97	83	16:38:04.266	488CS6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,882,739:65:0	
462	97	83	17:18:36.266	488CS6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,882,779:73:0	
463	97	83	18:15:54.266	488CS6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,882,836:43:0	
464	97	83	18:18:20.266	488CT6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,882,838:80:0	
465	97	83	18:20:00.266	488CT6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,882,840:48:0	
466	97	83	20:00:44.266	488CT6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,882,940:14:0	
467	97	84	01:20:44.266	488CU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,883,256:58:0	
468	97	84	02:24:44.266	488CU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,883,319:85:0	
469	97	84	03:30:52.266	488CU6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,883,385:31:0	
470	97	84	03:53:29.600	488CU6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,883,407:65:0	
471	97	84	04:00:44.266	488CU6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,883,414:80:0	
472	97	84	04:43:13.600	488CV6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,883,456:82:0	
473	97	84	04:47:40.266	488CV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,883,461:27:0	
474	97	84	05:28:12.266	488CV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,883,501:35:0	
475	97	84	11:26:36.200	488CW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,883,855:77:0	
476	97	84	12:24:12.200	488CW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,883,912:74:0	
477	97	84	16:33:48.200	488CW6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,884,159:61:0	
478	97	84	17:07:56.200	488CW6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,884,193:39:0	
479	97	84	18:11:38.200	488CX6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,884,256:39:0	
480	97	84	18:14:04.200	488CX6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,884,258:76:0	
481	97	84	18:15:44.200	488CX6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,884,260:44:0	
482	97	84	19:56:28.200	488CX6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,884,360:10:0	
483	97	85	01:25:00.200	488CY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,884,685:03:0	
484	97	85	02:20:28.200	488CY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,884,739:81:0	
485	97	85	03:30:52.200	488CY6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,884,809:47:0	
486	97	85	03:49:10.866	488CY6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,884,827:57:0	
487	97	85	03:56:28.200	488CY6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,884,834:76:0	
488	97	85	04:39:21.533	488CZ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,884,877:23:0	
489	97	85	05:19:40.200	488CZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,884,917:11:0	
490	97	85	11:26:36.200	488DA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,885,280:02:0	
491	97	85	13:04:44.200	488DA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,885,377:07:0	
492	97	85	13:18:57.533	488DA6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,885,391:13:0	
493	97	85	13:52:36.200	488DA6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,885,424:38:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
494	97	85	16:29:32.133	488DA6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,885,579:57:0
495	97	85	17:54:52.133	488DB6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,885,664:02:0
496	97	85	18:52:10.133	488DB6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,885,720:63:0
497	97	85	18:54:36.133	488DB6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,885,723:09:0
498	97	85	18:56:16.133	488DB6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,885,724:68:0
499	97	85	19:35:08.133	488DB6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,885,763:17:0
500	97	85	21:29:27.466	488DC6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,885,876:23:0
501	97	85	21:54:00.800	488DC6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,885,900:49:0
502	**97**	**85**	**23:59:57.333**	**E6NNG7PREP01-**		**-----START------**		**2O0**	**4**	**0**	**: :**
503	**97**	**86**	**00:06:01.333**	**E6NNG7PREP01-**		**-----STOP-------**		**2O0**	**4**	**0**	**: :**
504	**97**	**86**	**00:07:52.133**	**125DN4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**3,886,032:84:0**
505	97	86	00:07:52.133	125DN	NIMSINIT	GS	##### GROUP START INIT	260	4	0	3,886,032:84:0
506	97	86	00:08:52.800	125DN11A	NIMSINIT	GE	##### GROUP END INIT	260	4	0	3,886,033:84:0
507	**97**	**86**	**00:08:52.800**	**125DN4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,886,033:84:0**
508	97	86	00:12:55.466	125DA	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	3,886,037:84:0
509	**97**	**86**	**00:12:55.466**	**125DA4A**	**37IST**	**0,0,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**3,886,037:84:0**
510	97	86	00:13:56.133	125DA11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	3,886,038:84:0
511	**97**	**86**	**00:13:56.133**	**125DA4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,886,038:84:0**
512	**97**	**86**	**00:16:58.133**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,886,041:84:0**
513	97	86	00:16:58.133	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,886,041:84:0
514	**97**	**86**	**00:16:58.800**	**127DA4B**	**37ETB**	**07,C7,31,87,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,886,041:85:0**
515	97	86	00:17:08.800	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,886,042:09:0
516	**97**	**86**	**00:18:23.466**	**432DA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**3,886,043:30:0**
517	97	86	00:18:59.466	125DI	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,886,043:84:0
518	97	86	00:18:59.466	125DI11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,886,043:84:0
519	**97**	**86**	**00:18:59.466**	**125DI4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**3,886,043:84:0**
520	97	86	00:21:00.800	125DJ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,886,045:84:0
521	97	86	00:21:00.800	125DJ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,886,045:84:0
522	**97**	**86**	**00:21:00.800**	**125DJ4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**3,886,045:84:0**
523	**97**	**86**	**00:21:24.133**	**432DI6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,886,046:28:0**
524	97	86	00:22:01.466	125EU11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,886,046:84:0
525	**97**	**86**	**00:22:01.466**	**125EU4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,886,046:84:0**
526	97	86	00:22:01.466	125EU	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,886,046:84:0
527	97	86	00:23:02.133	127DX	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,886,047:84:0
528	**97**	**86**	**00:23:02.133**	**127DX4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**3,886,047:84:0**
529	**97**	**86**	**00:23:02.800**	**127DX4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**3,886,047:85:0**
530	97	86	00:23:12.800	127DX11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	3,886,048:09:0
531	**97**	**86**	**00:24:02.800**	**125FZ4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,886,048:84:0**
532	97	86	00:24:02.800	125FZ	NIMSINIT	GS	##### GROUP START INIT	460	4	0	3,886,048:84:0
533	97	86	00:25:03.466	125FZ11A	NIMSINIT	GE	##### GROUP END INIT	460	4	0	3,886,049:84:0
534	**97**	**86**	**00:25:03.466**	**125FZ4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**3,886,049:84:0**
535	97	86	01:31:24.133	488DC6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,886,115:49:0
536	97	86	02:20:28.133	488DC6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,886,164:06:0
537	97	86	03:26:36.133	488DC6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,886,229:43:0
538	97	86	03:44:00.133	488DD6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,886,246:62:0
539	97	86	03:50:04.133	488DD6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,886,252:62:0
540	97	86	04:34:28.800	488DD6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,886,296:55:0
541	97	86	05:13:16.133	488DD6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,886,334:88:0
542	97	86	06:00:00.133	418JK6B	6BUFHI		4 MUB Buffer high water	4O0	4	0	3,886,381:17:0
543	97	86	06:00:00.133	418JK6A	6BUFLO		2 MUB Buffer low water m	4O0	4	0	3,886,381:17:0
544	97	86	07:44:58.133	176SI6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	3,886,485:00:0
545	97	86	07:50:00.133	41WG99A	**POWER**	**PWR MODE change**	Change to Calib/Decon Mode	4O0	4	0	3,886,489:89:0
546	**97**	**86**	**07:50:04.133**	**41WG3G**	**37F2PR**		**1 Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,886,490:04:0**
547	**97**	**86**	**07:50:14.133**	**41WG3H**	**37F2PR**		**2 Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,886,490:19:0**
548	**97**	**86**	**07:50:24.133**	**41WG3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,886,490:34:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
549	**97**	**86**	**07:50:34.133**	**41WG3J**	**40T1PR**		**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,886,490:49:0**	
550	**97**	**86**	**07:50:44.133**	**41WG3K**	**40T2R**		**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,886,490:64:0**	
551	**97**	**86**	**07:50:54.133**	**41WG3L**	**40T2R**		**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,886,490:79:0**	
552	97	86	08:43:41.466	488DD6E	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,886,543:07:0	
553	97	86	08:50:52.133	488DE6A	6TMSED	FILL,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,886,550:16:0	
554	97	86	11:53:30.800	488DE6B	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,886,730:74:0	
555	97	86	11:58:36.133	488DE6C	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,886,735:77:0	
556	97	86	12:54:04.133	488DE6D	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,886,790:64:0	
557	97	86	13:18:50.133	488DE6E	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,886,815:18:0	
558	97	86	13:52:29.466	488DF6A	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,886,848:44:0	
559	97	86	15:40:00.133	41WH99A	**POWER**	**PWR MODE change**		Change to Maneuver/Playback Mode	4O0	4	0	3,886,954:74:0	
560	**97**	**86**	**15:40:04.133**	**41WH3K**	**37F2PR**		**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,886,954:80:0**	
561	**97**	**86**	**15:40:14.133**	**41WH3L**	**37F2PR**		**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,886,955:04:0**	
562	**97**	**86**	**15:42:24.133**	**41WH3G**	**40T1P**		**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,886,957:17:0**	
563	**97**	**86**	**15:42:34.133**	**41WH3H**	**40T1P**		**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,886,957:32:0**	
564	**97**	**86**	**15:42:44.133**	**41WH3I**	**40T2**		**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,886,957:47:0**	
565	**97**	**86**	**15:42:54.133**	**41WH3J**	**40T2**		**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,886,957:62:0**	
566	97	86	15:50:04.133	20UY4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	3,886,964:70:0	
567	97	86	15:50:54.133	20UY4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	3,886,965:54:0	
568	97	86	15:51:18.800	176SJ6A	6TMREC	**RPB**		RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	3,886,966:00:0	
569	97	86	16:14:33.466	488DF6B	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,886,988:90:0	
570	97	86	16:33:12.133	488DF6C	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,887,007:39:0	
571	97	86	16:44:28.133	488DF6D	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	3,887,018:52:0	
572	97	86	17:51:34.800	488DF6E	6TMSED	FILL,AL5		Sci, Eng, and D/L Chan	4O0	4	0	3,887,084:86:0	
573	97	86	18:14:04.133	488DG6A	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	4O0	4	0	3,887,107:17:0	
574	97	86	18:19:06.800	488DG6B	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	3,887,112:16:0	
575	97	86	18:33:16.133	488DG6C	6TMSED	NORM,AL7		Sci, Eng, and D/L Chan	4O0	4	0	3,887,126:16:0	
576	97	86	21:47:13.466	176PA6A	6TMREC	**PPB**		PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	3,887,318:00:0	
577	97	86	22:19:22.133	488DG6D	6TMSED	FILL,AL7		Sci, Eng, and D/L Chan	4O0	4	0	3,887,349:72:0	
578	97	86	22:21:32.133	488DG6E	6TMSED	FILL,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,887,351:85:0	
579	97	87	00:44:10.066	176PB6A	6TMREC	**RPB**		RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	3,887,493:00:0	
580	97	87	04:00:00.066	418JL6A	6BUFLO		2	MUB Buffer low water m	4O0	4	0	3,887,686:62:0	
581	97	87	04:00:00.066	418JL6B	6BUFHI		10	MUB Buffer high water	4O0	4	0	3,887,686:62:0	
582	97	87	04:29:35.400	488DH6A	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,887,715:86:0	
583	97	87	05:04:44.066	488DH6B	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,887,750:64:0	
584	97	87	07:00:00.066	481UG4A	7VECT	BB1		Inert vect update UTC	4O0	4	0	3,887,864:64:0	
585	97	87	11:26:36.066	488DI6A	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,888,128:34:0	
586	97	87	12:43:24.066	488DI6B	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,888,204:30:0	
587	97	87	13:13:42.066	488DI6C	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,888,234:27:0	
588	97	87	13:47:21.400	488DI6D	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,888,267:53:0	
589	97	87	14:56:32.066	176SP6A	6TMREC	**PPB**		PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	3,888,336:00:0	
590	97	87	14:59:34.066	176KB6A	6TMREC	ORT		OPNAV - REAL TIME Record Mode Change	4O0	4	0	3,888,339:00:0	
591	97	87	15:03:35.400	165KC4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,888,342:89:0	
592	97	87	15:03:36.066	165KC4B	7SCAN	NORM,191.153,-6.		Check S/P Position	4O0	4	0	3,888,342:90:0	
593	97	87	15:38:58.733	165KD4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,888,377:89:0	
594	97	87	15:38:59.400	165KD4B	7SCAN	NORM,191.261999,		Check S/P Position	4O0	4	0	3,888,377:90:0	
595	97	87	16:16:04.066	20UZ4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	3,888,414:60:0	
596	97	87	16:16:54.066	20UZ4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	3,888,415:44:0	
597	97	87	16:17:25.400	176SQ6A	6TMREC	**RPB**		RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	3,888,416:00:0	
598	97	87	16:23:08.066	488DI6E	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	3,888,421:59:0	
599	97	87	17:33:32.066	488DJ6A	6TMSED	NORM,AL7		Sci, Eng, and D/L Chan	4O0	4	0	3,888,491:25:0	
600	97	87	18:15:54.066	488DJ6B	6TMSED	FILL,AL7		Sci, Eng, and D/L Chan	4O0	4	0	3,888,533:16:0	
601	97	87	18:18:20.066	488DJ6C	6TMSED	FILL,AL8		Sci, Eng, and D/L Chan	4O0	4	0	3,888,535:53:0	
602	97	87	18:20:00.066	488DJ6D	6TMSED	NORM,AL8		Sci, Eng, and D/L Chan	4O0	4	0	3,888,537:21:0	
603	97	87	19:45:48.066	488DJ6E	6TMSED	NORM,AL7		Sci, Eng, and D/L Chan	4O0	4	0	3,888,622:08:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
604	97	87	19:59:52.066	176SM6A	6TMREC	**TPB**		TERMINATE PLAYBACK (PB CONTROL) Record Mo	4O0	4	0	3,888,636:00:0	
605	97	87	20:05:00.066	488DK6A	6TMSED	NORM,AH7		Sci, Eng, and D/L Chan	4O0	4	0	3,888,641:07:0	
606	97	87	20:22:00.066	20WA4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	3,888,657:81:0	
607	97	87	20:23:00.066	20WA4D	**7MODE**	**SPNL**		AACS ALL-SPIN LOW	4O0	4	0	3,888,658:80:0	
608	97	87	20:25:00.066	20WA4E	**7SAFE**	**UNSTOW**		S/P TO 153 deg cone	4O0	4	0	3,888,660:78:0	
609	97	87	20:30:30.066	20WA4G	7VENT	0.611,1.333,8		ALERT -- Thruster fire	4O0	4	0	3,888,666:27:0	
610	97	87	20:30:30.733	20WA4H	7VENT	0.611,10.989,8		ALERT -- Thruster fire	4O0	4	0	3,888,666:28:0	
611	97	87	20:30:50.733	20WA4I	7VENT	0.611,1.333,6		ALERT -- Thruster fire	4O0	4	0	3,888,666:58:0	
612	97	87	20:30:51.400	20WA4J	7VENT	0.611,10.989,6		ALERT -- Thruster fire	4O0	4	0	3,888,666:59:0	
613	97	87	20:31:11.400	20WA4K	7VENT	0.611,1.333,4		ALERT -- Thruster fire	4O0	4	0	3,888,666:89:0	
614	97	87	20:31:12.066	20WA4L	7VENT	0.611,0.666,5		ALERT -- Thruster fire	4O0	4	0	3,888,666:90:0	
615	97	87	20:31:22.066	20WA4M	7VENT	0.611,1.333,4		ALERT -- Thruster fire	4O0	4	0	3,888,667:14:0	
616	97	87	20:31:22.733	20WA4N	7VENT	0.611,0.666,5		ALERT -- Thruster fire	4O0	4	0	3,888,667:15:0	
617	97	87	20:31:32.733	20WA4O	7VENT	1.211,1.333,10		ALERT -- Thruster fire	4O0	4	0	3,888,667:30:0	
618	97	87	20:31:33.400	20WA4P	7VENT	1.211,0.666,12		ALERT -- Thruster fire	4O0	4	0	3,888,667:31:0	
619	97	87	20:33:20.066	20WA4S	7VENT	0.611,1.333,7		ALERT -- Thruster fire	4O0	4	0	3,888,669:09:0	
620	97	87	20:33:20.733	20WA4T	7VENT	0.611,10.989,7		ALERT -- Thruster fire	4O0	4	0	3,888,669:10:0	
621	97	87	20:33:40.733	20WA4U	7VENT	0.611,1.333,1		ALERT -- Thruster fire	4O0	4	0	3,888,669:40:0	
622	97	87	20:33:41.400	20WA4V	7VENT	0.611,10.989,1		ALERT -- Thruster fire	4O0	4	0	3,888,669:41:0	
623	97	87	20:34:01.400	20WA4AC	7VENT	0.611,1.333,2		ALERT -- Thruster fire	4O0	4	0	3,888,669:71:0	
624	97	87	20:34:02.066	20WA4AD	7VENT	0.611,0.666,3		ALERT -- Thruster fire	4O0	4	0	3,888,669:72:0	
625	97	87	20:34:12.066	20WA4AE	7VENT	0.611,1.333,2		ALERT -- Thruster fire	4O0	4	0	3,888,669:87:0	
626	97	87	20:34:12.733	20WA4AF	7VENT	0.611,0.666,3		ALERT -- Thruster fire	4O0	4	0	3,888,669:88:0	
627	97	87	20:34:22.733	20WA4W	7VENT	1.211,1.333,9		ALERT -- Thruster fire	4O0	4	0	3,888,670:12:0	
628	97	87	20:34:23.400	20WA4X	7VENT	1.211,0.666,11		ALERT -- Thruster fire	4O0	4	0	3,888,670:13:0	
629	97	87	20:35:20.066	20WA4Z	**7MODE**	**CRU**		AACS CRUISE MODE	4O0	4	0	3,888,671:07:0	
630	97	87	20:50:00.066	41WJ99A	**POWER**	**PWR MODE change**		Change to Data Taking Mode	4O0	4	0	3,888,685:53:0	
631	**97**	**87**	**20:50:04.066**	**41WJ3K**	**37F2PR**		**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,888,685:59:0**	
632	**97**	**87**	**20:50:14.066**	**41WJ3L**	**37F2PR**		**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,888,685:74:0**	
633	**97**	**87**	**20:50:24.066**	**41WJ3A**	**40T1PR**		**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,888,685:89:0**	
634	**97**	**87**	**20:50:34.066**	**41WJ3B**	**40T1PR**		**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,888,686:13:0**	
635	**97**	**87**	**20:50:44.066**	**41WJ3C**	**40T2R**		**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,888,686:28:0**	
636	**97**	**87**	**20:50:54.066**	**41WJ3D**	**40T2R**		**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,888,686:43:0**	
637	97	87	21:01:59.400	432OB431A6A	6RCDSL	DDSNCG,PLSNCG,EP		Record Deselect (DDS o	4O0	4	0	3,888,697:40:0	
638	97	87	21:02:00.066	432OB6A	6RTSL1			R/T Select of DDS and	4O0	4	0	3,888,697:41:0	
639	97	87	21:02:33.400		DMS:	: *SLEW-TIC		P7, TRACK *1, *FWD, TIC 4247.00 +/-	4O0	4	0	3,888,698:00:0	
640	97	87	21:02:33.400	465WA6A	6DMST		5000	DMS Slew to TIC	4O0	4	0	3,888,698:00:0	
641	97	87	21:11:38.066	165BJ4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,888,706:89:0	
642	97	87	21:11:38.733	165BJ4B	7SCAN	NORM,202.424,-11		Check S/P Position	4O0	4	0	3,888,706:90:0	
643	97	87	21:19:12.066	488DK6B	6TMSED	FILL,AH7		Sci, Eng, and D/L Chan	4O0	4	0	3,888,714:42:0	
644	97	87	21:43:44.733	488DK6C	6TMSED	NORM,AH7		Sci, Eng, and D/L Chan	4O0	4	0	3,888,738:67:0	
645	97	87	22:15:00.066	488DK6D	6TMSED	NORM,AL7		Sci, Eng, and D/L Chan	4O0	4	0	3,888,769:59:0	
646	97	88	01:35:40.066	488DK6E	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	3,888,968:10:0	
647	97	88	02:11:56.066	488DL6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	3,889,003:89:0	
648	97	88	02:56:14.733	465WB6A	6DMSC	P100,4		DMS Control Tape P/B 100.8kbps	4O0	4	0	3,889,047:73:0	
649	97	88	03:22:06.733	465WB6B	6DMSC	RDY,4		DMS Control Tape stop	4O0	4	0	3,889,073:35:0	
650	97	88	03:26:36.066	488DL6B	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,889,077:75:0	
651	97	88	03:39:21.400	488DL6C	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,889,090:40:0	
652	97	88	03:45:48.066	488DL6D	6TMSED	FILL,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,889,096:74:0	
653	97	88	04:24:43.400	488DL6E	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,889,135:28:0	
654	97	88	04:58:20.000	488DM6A	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,889,168:50:0	
655	97	88	05:30:00.000	488DM6B	6TMSED	NORM,AH4		Sci, Eng, and D/L Chan	4O0	4	0	3,889,199:79:0	
656	97	88	05:30:01.333	465WC6A	6DTRN	CMD,6DTRN,465WC6		DMS TRACK TURNAROUND	4O0	4	0	3,889,199:81:0	
657	97	88	05:40:04.000	465WD6A	6DMSC	P100,1		DMS Control Tape P/B 100.8kbps	4O0	4	0	3,889,209:75:0	
658	97	88	06:11:58.000	465WD6B	6DMSC	RDY,1		DMS Control Tape stop	4O0	4	0	3,889,241:34:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	97	88	06:27:34.000	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	3,889,256:73:0	
660	97	88	06:59:42.000	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	3,889,288:53:0	
661	97	88	07:31:42.666	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	3,889,320:22:0	
662	97	88	07:46:26.000	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	3,889,334:73:0	
663	97	88	08:18:33.333	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	3,889,366:52:0	
664	97	88	08:19:39.333	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	3,889,367:60:0	
665	97	88	08:34:09.333	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	3,889,382:00:0	
666	97	88	08:35:03.333	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	4O0	4	0	3,889,382:81:0	
667	97	88	09:02:00.000	488DM6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,889,409:49:0	
668	97	88	11:26:36.000	488DN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,889,552:50:0	
669	97	88	12:39:08.000	488DN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,889,624:26:0	
670	97	88	13:08:34.000	488DN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,889,653:36:0	
671	97	88	13:42:13.333	488DN6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,889,686:62:0	
672	97	88	14:59:23.333		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 201.62 +/-	4O0	4	0	3,889,763:00:0	
673	97	88	14:59:23.333	465KY6A	6DMST	5625	DMS Slew to TIC	4O0	4	0	3,889,763:00:0	
674	97	88	15:32:45.333	176KC6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4O0	4	0	3,889,796:00:0	
675	97	88	15:38:48.000	165KE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,889,801:89:0	
676	97	88	15:38:48.666	165KE4B	7SCAN	NORM,202.816999,	Check S/P Position	4O0	4	0	3,889,801:90:0	
677	97	88	16:14:11.333	165KF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,889,836:89:0	
678	97	88	16:14:12.000	165KF4B	7SCAN	NORM,202.882,-11	Check S/P Position	4O0	4	0	3,889,836:90:0	
679	97	88	16:23:08.000	488DN6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,889,845:75:0	
680	97	88	17:59:08.000	488DO6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	3,889,940:70:0	
681	97	88	18:38:46.666	165KG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,889,979:89:0	
682	97	88	18:38:47.333	165KG4B	7SCAN	NORM,204.106998,	Check S/P Position	4O0	4	0	3,889,979:90:0	
683	97	88	18:39:48.666	176KD6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4O0	4	0	3,889,981:00:0	
684	97	88	19:14:10.000	165KH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,890,014:89:0	
685	97	88	19:14:10.666	165KH4B	7SCAN	NORM,204.169998,	Check S/P Position	4O0	4	0	3,890,014:90:0	
686	97	88	19:45:48.000	488DO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,890,046:24:0	
687	97	88	19:52:41.333	488DO6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,890,053:07:0	
688	97	88	20:24:31.333	488DO6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,890,084:51:0	
689	97	88	21:01:20.666	165BK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,890,120:89:0	
690	97	88	21:01:21.333	165BK4B	7SCAN	NORM,221.787998,	Check S/P Position	4O0	4	0	3,890,120:90:0	
691	97	88	21:29:40.666	465KZ6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	3,890,149:00:0	
692	97	89	00:00:00.000	481UA4A	7VECT		Inert vect update UTC	4O0	4	0	3,890,297:61:0	
693	97	89	01:28:18.000	176KE6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4O0	4	0	3,890,385:00:0	
694	97	89	01:33:20.000	165KI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,890,389:89:0	
695	97	89	01:33:20.666	165KI4B	7SCAN	NORM,206.855,-12	Check S/P Position	4O0	4	0	3,890,389:90:0	
696	97	89	02:05:32.000	488DP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,890,421:75:0	
697	97	89	02:08:43.333	165KJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,890,424:89:0	
698	97	89	02:08:44.000	165KJ4B	7SCAN	NORM,206.907999,	Check S/P Position	4O0	4	0	3,890,424:90:0	
699	97	89	03:05:20.666	165BL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,890,480:89:0	
700	97	89	03:05:21.333	165BL4B	7SCAN	NORM,221.787998,	Check S/P Position	4O0	4	0	3,890,480:90:0	
701	97	89	03:34:12.666	488DP6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,890,509:48:0	
702	97	89	03:41:32.000	488DP6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,890,516:70:0	
703	97	89	04:28:52.000	488DP6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,890,563:53:0	
704	97	89	04:39:08.000	488DP6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,890,573:67:0	
705	97	89	05:06:24.666	488DQ6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,890,600:65:0	
706	97	89	05:43:28.666	488DQ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,890,637:34:0	
707	97	89	05:51:24.666	488DQ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,890,645:20:0	
708	97	89	06:23:40.000	488DQ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,890,677:11:0	
709	97	89	06:27:34.666	488DQ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,890,680:90:0	
710	97	89	09:50:36.000	488DR6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,890,881:71:0	
711	97	89	12:34:51.933	488DR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,891,044:22:0	
712	97	89	12:58:25.933	488DR6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,891,067:50:0	
713	97	89	13:37:05.266	488DR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,891,105:71:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	97	89	15:20:03.933	20UA4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,891,207:57:0	
715	97	89	15:59:59.933		DMS:	: READY	RDY, TRACK 4, REV, TIC 5625.00 +/-	4O0	4	0	3,891,247:11:0	
716	**97**	**89**	**16:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,891,247:11:1**	
717	**97**	**89**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,891,247:11:1**	
718	**97**	**89**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,891,247:11:1**	
719	**97**	**89**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,891,247:11:1**	
720	**97**	**89**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,891,247:11:1**	
721	**97**	**89**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,891,247:11:1**	
722	**97**	**89**	**16:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,891,247:11:1**	
723	**97**	**89**	**16:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,891,247:11:1**	
724	**97**	**89**	**16:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**3,891,247:11:1**	

E6JNAURORA01

OAPEL: E6JNAURORA01 ALIAS: E6JNAURORA01
EXT: R PSID: FH
SCLK1: 03834085:00:0 SCLK2: 03834085:12:0
SCET1: 1997-049/12:42:46.733 SCET2: 1997-049/12:42:54.733
TARGET: JUPITER PARTITION: 1

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

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

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

E6JNFEA06401

```
OAPEL:  E6JNFEA06401            ALIAS:  E6JNFEA06401
EXT:    A                       PSID:   DB
SCLK1:  03835467:00:0           SCLK2:  03835468:58:0
SCET1:    97-050/12:00:08.174   SCET2:    97-050/12:01:47.508
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

E6JNFEA06402

```
OAPEL:  E6JNFEA06402            ALIAS:  E6JNFEA06402
EXT:    A                       PSID:   DC
SCLK1:  03835483:00:0           SCLK2:  03835484:58:0
SCET1:    97-050/12:16:18.840   SCET2:    97-050/12:17:58.173
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:   20                  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:    0507020001          05  07  020  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	11D00	1,0001,1101,0000,0000
2	19900	1,1001,1001,0000,0000
3	01900	0,0001,1001,0000,0000
4	0B810	0,1011,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E6JNFEA06403

```
OAPEL:  E6JNFEA06403            ALIAS:  E6JNFEA06403
EXT:    A                       PSID:   DE
SCLK1:  03835550:00:0           SCLK2:  03835551:58:0
SCET1:    97-050/13:24:03.505   SCET2:    97-050/13:25:42.838
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

E6NNHNDARK01

OAPEL: E6NNHNDARK01 ALIAS: E6NNHNDARK01
EXT: A PSID: DF
SCLK1: 03835957:90:0 SCLK2: 03835958:90:0
SCET1: 97-050/20:16:34.822 SCET2: 97-050/20:17:35.489
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: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 32 TLMFMT: LPU

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

WETGID: 0326032001 03 26 032 001
WTGRP_SIZ: 26

EDIT TABLE

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

E6ENCHEMIS01

```
OAPEL:  E6ENCHEMIS01            ALIAS:  E6INCHEMIS01
EXT:    A                       PSID:   DG
SCLK1:  03835974:90:0           SCLK2:  03835976:64:0
SCET1:    97-050/20:33:46.155   SCET2:    97-050/20:35:30.155
TARGET: EUROPA                  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:    MPW

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

E6NNHEALTH01

```
OAPEL:  E6NNHEALTH01            ALIAS:  E6NNHEALTH01
EXT:    R                       PSID:   FY
SCLK1:  03836035:00:0           SCLK2:  03836035:12:0
SCET1:  1997-050/21:34:26.666   SCET2:  1997-050/21:34:34.666
TARGET: CAL                     PARTITION: 1

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

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

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

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

EDIT TABLE

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

E6JNFEA04801

```
OAPEL:  E6JNFEA04801            ALIAS:  E6JNFEA04801
EXT:    A                       PSID:   DH
SCLK1:  03836050:00:0           SCLK2:  03836051:58:0
SCET1:    97-050/21:49:36.819   SCET2:    97-050/21:51:16.153
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

E6JNPFTB4801

```
OAPEL:  E6JNPFTB4801            ALIAS:  E6JNPFTB4801
EXT:    A                       PSID:   FC
SCLK1:  03836093:00:0           SCLK2:  03836099:73:0
SCET1:    97-050/22:33:05.484   SCET2:    97-050/22:39:58.151
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

E6JNFEA04803

```
OAPEL:  E6JNFEA04803            ALIAS:  E6JNFEA04803
EXT:    A                       PSID:   DL
SCLK1:  03836159:00:0           SCLK2:  03836160:59:0
SCET1:    97-050/23:39:49.482   SCET2:    97-050/23:41:29.482
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

E6JNPFTB4802

```
OAPEL:  E6JNPFTB4802            ALIAS:  E6JNPFTB4802
EXT:    A                       PSID:   DN
SCLK1:  03836173:00:0           SCLK2:  03836179:74:0
SCET1:    97-050/23:53:58.814   SCET2:    97-051/00:00:52.000
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:   20                  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:    0507020001          05  07  020  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	11D00	1,0001,1101,0000,0000
2	19900	1,1001,1001,0000,0000
3	01900	0,0001,1001,0000,0000
4	0B810	0,1011,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E6JNRTHOTS01

```
OAPEL:  E6JNRTHOTS01            ALIAS:  E6JNRTHOTS01
EXT:    R                       PSID:   FJ
SCLK1:  03836385:00:0           SCLK2:  03836385:12:0
SCET1:  1997-051/03:28:20.000   SCET2:  1997-051/03:28:28.000
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

E6INCHEMIS02

OAPEL: E6INCHEMIS02 ALIAS: E6INCHEMIS02
EXT: A PSID: DO
SCLK1: 03836419:00:0 SCLK2: 03836422:41:0
SCET1: 97-051/04:02:42.805 SCET2: 97-051/04:06:12.139
TARGET: IO PARTITION: 1

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

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

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

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

E6NNHNDARK02

```
OAPEL:  E6NNHNDARK02              ALIAS:  E6NNHNDARK02
EXT:    A                         PSID:   DP
SCLK1:  03836498:00:0             SCLK2:  03836499:00:0
SCET1:    97-051/05:22:35.469     SCET2:    97-051/05:23:36.136
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:       0                      RECORD:    1

MB_DOWN:   00000                  MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                    EST_COMPV: 0.3
RATE_CON1: 00000                  RATE_CON2: 65525
NWAVETOT:   32                    TLMFMT:    LPU

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

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

EDIT TABLE

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

E6JNFEA02001

```
OAPEL:  E6JNFEA02001            ALIAS:  E6JNFEA02001
EXT:    A                       PSID:   DQ
SCLK1:  03836641:00:0           SCLK2:  03836655:16:0
SCET1:    97-051/07:47:10.797   SCET2:    97-051/08:01:30.796
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:   20                  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:    0507020001          05  07  020  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	11D00	1,0001,1101,0000,0000
2	19900	1,1001,1001,0000,0000
3	01900	0,0001,1001,0000,0000
4	0B810	0,1011,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E6JNFEA02002

```
OAPEL:  E6JNFEA02002            ALIAS:  E6JNFEA02002
EXT:    A                       PSID:   DR
SCLK1:  03836669:00:0           SCLK2:  03836670:59:0
SCET1:    97-051/08:15:29.463   SCET2:    97-051/08:17:09.463
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

E6NNHEALTH02

OAPEL: E6NNHEALTH02 ALIAS: E6NNHEALTH02
EXT: R PSID: FX
SCLK1: 03836674:00:0 SCLK2: 03836674:12:0
SCET1: 1997-051/08:20:32.666 SCET2: 1997-051/08:20:40.666
TARGET: CAL PARTITION: 1

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

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

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

WETGID: 0302003000 03 02 003 000
WTGRP_SIZ: 2

EDIT TABLE

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

E6JNFEA02003

```
OAPEL:  E6JNFEA02003            ALIAS:  E6JNFEA02003
EXT:    A                       PSID:   DS
SCLK1:  03836688:00:0           SCLK2:  03836701:59:0
SCET1:    97-051/08:34:42.129   SCET2:    97-051/08:48:30.129
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

E6JNFEASUB01

OAPEL: E6JNFEASUB01 ALIAS: E6JNFEASUB01
EXT: A PSID: DU
SCLK1: 03836762:00:0 SCLK2: 03836768:00:0
SCET1: 97-051/09:49:31.459 SCET2: 97-051/09:55:35.459
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

E6ENEURORT01

OAPEL: E6ENEURORT01 ALIAS: E6ENEURORT01
EXT: R PSID: FK
SCLK1: 03836891:00:0 SCLK2: 03836892:12:0
SCET1: 1997-051/11:59:57.333 SCET2: 1997-051/12:01:06.000
TARGET: EUROPA 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

E6ENTERINC01

```
OAPEL:  E6ENTERINC01            ALIAS:  E6ENTERINC01
EXT:    B                       PSID:   DG
SCLK1:  03836904:23:0           SCLK2:  03836910:38:0
SCET1:    97-051/12:13:21.454   SCET2:    97-051/12:19:35.454
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:  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:    0113192001          01  13  192  001
WTGRP_SIZ: 13
```

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	00000	0,0000,0000,0000,0000

E6ENTERINC01

```
OAPEL:  E6ENTERINC01            ALIAS:  E6ENTERINC01
EXT:    A                       PSID:   DG
SCLK1:  03836912:08:0           SCLK2:  03836920:09:0
SCET1:    97-051/12:21:16.787   SCET2:    97-051/12:29:22.786
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:  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:    0113192001          01  13  192  001
WTGRP_SIZ: 13
```

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	00000	0,0000,0000,0000,0000

E6INHRSPEC01

OAPEL: E6INHRSPEC01 ALIAS: E6INHRSPEC01
EXT: A PSID: FZ
SCLK1: 03836932:00:0 SCLK2: 03836936:66:0
SCET1: 97-051/12:41:24.786 SCET2: 97-051/12:46:11.453
TARGET: IO PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 216 TLMFMT: MPW

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

WETGID: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00180	0,0000,0001,1000,0000
1	1FDFF	1,1111,1101,1111,1111
2	00180	0,0000,0001,1000,0000
3	1FDFF	1,1111,1101,1111,1111
4	00180	0,0000,0001,1000,0000
5	1FDFF	1,1111,1101,1111,1111
6	00180	0,0000,0001,1000,0000
7	1FDFF	1,1111,1101,1111,1111
8	00180	0,0000,0001,1000,0000
9	1FDFF	1,1111,1101,1111,1111
10	00180	0,0000,0001,1000,0000
11	1FDFF	1,1111,1101,1111,1111
12	00180	0,0000,0001,1000,0000
13	1FDFF	1,1111,1101,1111,1111
14	00180	0,0000,0001,1000,0000
15	1FDFF	1,1111,1101,1111,1111
16	00180	0,0000,0001,1000,0000
17	1FDFF	1,1111,1101,1111,1111
18	00180	0,0000,0001,1000,0000
19	1FDFF	1,1111,1101,1111,1111
20	00180	0,0000,0001,1000,0000
21	1FDFF	1,1111,1101,1111,1111
22	00180	0,0000,0001,1000,0000
23	1FDFF	1,1111,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

E6ENSUCOMP01

```
OAPEL:  E6ENSUCOMP01            ALIAS:  E6ENSUCOMP01
EXT:    A                       PSID:   DZ
SCLK1:  03837142:00:0           SCLK2:  03837149:88:0
SCET1:    97-051/16:13:44.779   SCET2:    97-051/16:21:48.112
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

E6ENSUCOMP02

OAPEL: E6ENSUCOMP02 ALIAS: E6ENSUCOMP02
EXT: A PSID: EA
SCLK1: 03837160:00:0 SCLK2: 03837167:90:0
SCET1: 97-051/16:31:56.779 SCET2: 97-051/16:40:01.333
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

E6ENSUCOMP02

OAPEL: E6ENSUCOMP02 ALIAS: E6ENSUCOMP02
EXT: B PSID: EA
SCLK1: 03837160:00:0 SCLK2: 03837167:90:0
SCET1: 97-051/16:31:56.779 SCET2: 97-051/16:40:01.333
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: 96 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: 0326096001 03 26 096 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FD00	1,1111,1101,0000,0000
1	00000	0,0000,0000,0000,0000
2	1FD00	1,1111,1101,0000,0000
3	00000	0,0000,0000,0000,0000
4	1FD00	1,1111,1101,0000,0000
5	00000	0,0000,0000,0000,0000
6	1FD00	1,1111,1101,0000,0000
7	00000	0,0000,0000,0000,0000
8	1FD00	1,1111,1101,0000,0000
9	00000	0,0000,0000,0000,0000
10	1FD00	1,1111,1101,0000,0000
11	00000	0,0000,0000,0000,0000
12	1FD00	1,1111,1101,0000,0000
13	00000	0,0000,0000,0000,0000
14	1FD00	1,1111,1101,0000,0000
15	00000	0,0000,0000,0000,0000
16	1FD00	1,1111,1101,0000,0000
17	00000	0,0000,0000,0000,0000
18	1FD00	1,1111,1101,0000,0000
19	00000	0,0000,0000,0000,0000
20	1FD00	1,1111,1101,0000,0000
21	00000	0,0000,0000,0000,0000
22	1FD00	1,1111,1101,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

E6ENSUCOMP02

```
OAPEL:  E6ENSUCOMP02            ALIAS:  E6ENSUCOMP02
EXT:    C                       PSID:   EA
SCLK1:  03837160:00:0           SCLK2:  03837167:90:0
SCET1:    97-051/16:31:56.779   SCET2:    97-051/16:40:01.333
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:  288                  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:    0326288001          03  26  288  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FD00	1,1111,1101,0000,0000
1	1FDFF	1,1111,1101,1111,1111
2	1FD00	1,1111,1101,0000,0000
3	1FDFF	1,1111,1101,1111,1111
4	1FD00	1,1111,1101,0000,0000
5	1FDFF	1,1111,1101,1111,1111
6	1FD00	1,1111,1101,0000,0000
7	1FDFF	1,1111,1101,1111,1111
8	1FD00	1,1111,1101,0000,0000
9	1FDFF	1,1111,1101,1111,1111
10	1FD00	1,1111,1101,0000,0000
11	1FDFF	1,1111,1101,1111,1111
12	1FD00	1,1111,1101,0000,0000
13	1FDFF	1,1111,1101,1111,1111
14	1FD00	1,1111,1101,0000,0000
15	1FDFF	1,1111,1101,1111,1111
16	1FD00	1,1111,1101,0000,0000
17	1FDFF	1,1111,1101,1111,1111
18	1FD00	1,1111,1101,0000,0000
19	1FDFF	1,1111,1101,1111,1111
20	1FD00	1,1111,1101,0000,0000
21	1FDFF	1,1111,1101,1111,1111
22	1FD00	1,1111,1101,0000,0000
23	1FDFF	1,1111,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

E6INRTIMON01

```
OAPEL:  E6INRTIMON01              ALIAS:  E6INRTIMON01
EXT:    R                         PSID:   DT
SCLK1:  03837171:00:0             SCLK2:  03837171:12:0
SCET1:  1997-051/16:43:04.000     SCET2:  1997-051/16:43:12.000
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	12995	1,0010,1001,1001,0101
1	12995	1,0010,1001,1001,0101
2	12995	1,0010,1001,1001,0101
3	12995	1,0010,1001,1001,0101
4	12995	1,0010,1001,1001,0101
5	12995	1,0010,1001,1001,0101
6	12995	1,0010,1001,1001,0101
7	12995	1,0010,1001,1001,0101
8	12995	1,0010,1001,1001,0101
9	12995	1,0010,1001,1001,0101
10	12995	1,0010,1001,1001,0101
11	12995	1,0010,1001,1001,0101
12	00000	0,0000,0000,0000,0000

E6ENBRTPLN01

OAPEL: E6ENBRTPLN01 ALIAS: E6ESBRTPLN01
EXT: A PSID: IR
SCLK1: 03837175:03:0 SCLK2: 03837175:51:0
SCET1: 97-051/16:47:08.778 SCET2: 97-051/16:47:40.778
TARGET: EUROPA PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 384 TLMFMT: IM8

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

E6ENSEAICE01

OAPEL: E6ENSEAICE01 ALIAS: E6ENSEAICE01
EXT: A PSID: FM
SCLK1: 03837239:00:0 SCLK2: 03837240:04:0
SCET1: 97-051/17:51:49.442 SCET2: 97-051/17:52:52.776
TARGET: EUROPA PARTITION: 1

MODE: 7 GAIN: 3
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 012 PTAB_B: 1 1 0 0 012
ECAL: 0 OPCAL: 0
R/T: 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: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0713010001 07 13 010 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FDC0	1,1111,1101,1100,0000
1	1FDC0	1,1111,1101,1100,0000
2	1FDC0	1,1111,1101,1100,0000
3	1FDC0	1,1111,1101,1100,0000
4	1FDC0	1,1111,1101,1100,0000
5	1FDC0	1,1111,1101,1100,0000
6	1FDC0	1,1111,1101,1100,0000
7	1FDC0	1,1111,1101,1100,0000
8	1FDC0	1,1111,1101,1100,0000
9	1FDC0	1,1111,1101,1100,0000
10	1FDC0	1,1111,1101,1100,0000
11	1FDC0	1,1111,1101,1100,0000
12	00000	0,0000,0000,0000,0000

E6ENSEAICE01

OAPEL: E6ENSEAICE01 ALIAS: E6ENSEAICE01
EXT: B PSID: FM
SCLK1: 03837245:26:0 SCLK2: 03837246:31:0
SCET1: 97-051/17:58:10.775 SCET2: 97-051/17:59:14.775
TARGET: EUROPA PARTITION: 1

MODE: 7 GAIN: 3
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 012 PTAB_B: 1 1 0 0 012
ECAL: 0 OPCAL: 0
R/T: 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: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0713010001 07 13 010 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FDC0	1,1111,1101,1100,0000
1	1FDC0	1,1111,1101,1100,0000
2	1FDC0	1,1111,1101,1100,0000
3	1FDC0	1,1111,1101,1100,0000
4	1FDC0	1,1111,1101,1100,0000
5	1FDC0	1,1111,1101,1100,0000
6	1FDC0	1,1111,1101,1100,0000
7	1FDC0	1,1111,1101,1100,0000
8	1FDC0	1,1111,1101,1100,0000
9	1FDC0	1,1111,1101,1100,0000
10	1FDC0	1,1111,1101,1100,0000
11	1FDC0	1,1111,1101,1100,0000
12	00000	0,0000,0000,0000,0000

E6NNHEALTH03

OAPEL: E6NNHEALTH03 ALIAS: E6NNHEALTH03
EXT: R PSID: FW
SCLK1: 03837467:00:0 SCLK2: 03837467:12:0
SCET1: 1997-051/21:42:21.266 SCET2: 1997-051/21:42:29.266
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

E6JNFEA03801

```
OAPEL:  E6JNFEA03801            ALIAS:  E6JNFEA03801
EXT:    A                       PSID:   ED
SCLK1:  03837491:83:0           SCLK2:  03837502:58:0
SCET1:    97-051/22:07:32.766   SCET2:    97-051/22:18:23.432
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

E6INCHEMIS06

```
OAPEL:  E6INCHEMIS06              ALIAS:  E6INCHEMIS06
EXT:    A                         PSID:   EE
SCLK1:  03837843:00:0             SCLK2:  03837845:64:0
SCET1:    97-052/04:02:32.086     SCET2:    97-052/04:05:16.086
TARGET: IO                        PARTITION: 1

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

MB_DOWN:   00000                  MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                    EST_COMPV: 0.3
RATE_CON1: 00000                  RATE_CON2: 65525
NWAVETOT:  216                    TLMFMT:    LPU

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

WETGID:    0326216001          03  26  216  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00180	0,0000,0001,1000,0000
1	1FDFF	1,1111,1101,1111,1111
2	00180	0,0000,0001,1000,0000
3	1FDFF	1,1111,1101,1111,1111
4	00180	0,0000,0001,1000,0000
5	1FDFF	1,1111,1101,1111,1111
6	00180	0,0000,0001,1000,0000
7	1FDFF	1,1111,1101,1111,1111
8	00180	0,0000,0001,1000,0000
9	1FDFF	1,1111,1101,1111,1111
10	00180	0,0000,0001,1000,0000
11	1FDFF	1,1111,1101,1111,1111
12	00180	0,0000,0001,1000,0000
13	1FDFF	1,1111,1101,1111,1111
14	00180	0,0000,0001,1000,0000
15	1FDFF	1,1111,1101,1111,1111
16	00180	0,0000,0001,1000,0000
17	1FDFF	1,1111,1101,1111,1111
18	00180	0,0000,0001,1000,0000
19	1FDFF	1,1111,1101,1111,1111
20	00180	0,0000,0001,1000,0000
21	1FDFF	1,1111,1101,1111,1111
22	00180	0,0000,0001,1000,0000
23	1FDFF	1,1111,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

E6NNHNDARK03

OAPEL: E6NNHNDARK03 ALIAS: E6NNHNDARK03
EXT: A PSID: EG
SCLK1: 03837868:00:0 SCLK2: 03837869:00:0
SCET1: 97-052/04:27:48.752 SCET2: 97-052/04:28:49.418
TARGET: CAL PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 32 TLMFMT: LPU

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

WETGID: 0326032001 03 26 032 001
WTGRP_SIZ: 26

EDIT TABLE

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

E6NNHEALTH04

```
OAPEL:  E6NNHEALTH04            ALIAS:  E6NNHEALTH04
EXT:    R                       PSID:   FV
SCLK1:  03838006:00:0           SCLK2:  03838006:12:0
SCET1:  1997-052/06:47:20.600   SCET2:  1997-052/06:47:28.600
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

E6JNFEA09501

```
OAPEL:  E6JNFEA09501            ALIAS:  E6JNFEA09501
EXT:    A                       PSID:   EH
SCLK1:  03838025:00:0           SCLK2:  03838026:59:0
SCET1:    97-052/07:06:33.413   SCET2:    97-052/07:08:13.413
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

E6JNFEA09502

```
OAPEL:  E6JNFEA09502            ALIAS:  E6JNFEA09502
EXT:    A                       PSID:   EI
SCLK1:  03838072:00:0           SCLK2:  03838073:59:0
SCET1:    97-052/07:54:04.744   SCET2:    97-052/07:55:44.744
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:   20                  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:    0507020001          05  07  020  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	11D00	1,0001,1101,0000,0000
2	19900	1,1001,1001,0000,0000
3	01900	0,0001,1001,0000,0000
4	0B810	0,1011,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E6JNFEA09503

```
OAPEL:  E6JNFEA09503            ALIAS:  E6JNFEA09503
EXT:    A                       PSID:   EJ
SCLK1:  03838084:00:0           SCLK2:  03838085:58:0
SCET1:    97-052/08:06:12.744   SCET2:    97-052/08:07:52.077
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

E6INVOLCAN01

OAPEL: E6INVOLCAN01 ALIAS: E6INVOLCAN01
EXT: A PSID: EK
SCLK1: 03838097:00:0 SCLK2: 03838098:23:0
SCET1: 97-052/08:19:21.410 SCET2: 97-052/08:20:37.410
TARGET: IO PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 67 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: 0326067001 03 26 067 001
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	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	1FDFF	1,1111,1101,1111,1111
8	00000	0,0000,0000,0000,0000
9	00100	0,0000,0001,0000,0000
10	00000	0,0000,0000,0000,0000
11	00100	0,0000,0001,0000,0000
12	00000	0,0000,0000,0000,0000
13	00100	0,0000,0001,0000,0000
14	00000	0,0000,0000,0000,0000
15	1FDFF	1,1111,1101,1111,1111
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	1FDFF	1,1111,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

E6JNFEA53M01

OAPEL: E6JNFEA53M01 ALIAS: E6JNFEA53M01
EXT: A PSID: EL
SCLK1: 03838121:00:0 SCLK2: 03838127:00:0
SCET1: 97-052/08:43:37.410 SCET2: 97-052/08:49:41.409
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

E6NNHEALTH05

```
OAPEL:  E6NNHEALTH05            ALIAS:  E6NNHEALTH05
EXT:    R                       PSID:   FU
SCLK1:  03838176:00:0           SCLK2:  03838176:12:0
SCET1:  1997-052/09:39:13.933   SCET2:  1997-052/09:39:21.933
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

E6JNFEA5UM01

OAPEL: E6JNFEA5UM01 ALIAS: E6JNFEA5UM01
EXT: A PSID: EN
SCLK1: 03838203:00:0 SCLK2: 03838209:00:0
SCET1: 97-052/10:06:32.073 SCET2: 97-052/10:12:36.072
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: 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

E6JNTHRMNS01

OAPEL: E6JNTHRMNS01 ALIAS: E6JNTHRMNS01
EXT: A PSID: EP
SCLK1: 03838263:00:0 SCLK2: 03838284:24:0
SCET1: 97-052/11:07:12.070 SCET2: 97-052/11:28:42.069
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: 80 TLMFMT: LPU

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

WETGID: 0326080001 03 26 080 001
WTGRP_SIZ: 26

EDIT TABLE

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

E6NNHEALTH06

```
OAPEL:  E6NNHEALTH06            ALIAS:  E6NNHEALTH06
EXT:    R                       PSID:   FT
SCLK1:  03838556:00:0           SCLK2:  03838556:12:0
SCET1:  1997-052/16:03:27.266   SCET2:  1997-052/16:03:35.266
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

E6GNGLOBAL01

```
OAPEL:  E6GNGLOBAL01            ALIAS:  E6GNGLOBAL01
EXT:    A                       PSID:   FZ
SCLK1:  03838574:51:0           SCLK2:  03838579:31:0
SCET1:    97-052/16:22:13.393   SCET2:    97-052/16:27:03.392
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:  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

E6GNGLOBAL01

```
OAPEL:  E6GNGLOBAL01            ALIAS:  E6GNGLOBAL01
EXT:    B                       PSID:   FZ
SCLK1:  03838584:63:0           SCLK2:  03838589:43:0
SCET1:    97-052/16:32:28.058   SCET2:    97-052/16:37:18.058
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:  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

E6JNFEA12401

```
OAPEL:  E6JNFEA12401            ALIAS:  E6JNFEA12401
EXT:    A                       PSID:   EQ
SCLK1:  03838600:00:0           SCLK2:  03838601:59:0
SCET1:    97-052/16:47:56.725   SCET2:    97-052/16:49:36.725
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

E6JNFEA12402

```
OAPEL:  E6JNFEA12402            ALIAS:  E6JNFEA12402
EXT:    A                       PSID:   ER
SCLK1:  03838634:00:0           SCLK2:  03838635:59:0
SCET1:    97-052/17:22:19.390   SCET2:    97-052/17:23:59.390
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:   20                  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:    0507020001          05  07  020  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	11D00	1,0001,1101,0000,0000
2	19900	1,1001,1001,0000,0000
3	01900	0,0001,1001,0000,0000
4	0B810	0,1011,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E6JNFEA12403

```
OAPEL:  E6JNFEA12403            ALIAS:  E6JNFEA12403
EXT:    A                       PSID:   ES
SCLK1:  03838665:00:0           SCLK2:  03838666:59:0
SCET1:    97-052/17:53:40.055   SCET2:    97-052/17:55:20.055
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

E6NNHEALTH07

```
OAPEL:  E6NNHEALTH07            ALIAS:  E6NNHEALTH07
EXT:    R                       PSID:   FS
SCLK1:  03839191:00:0           SCLK2:  03839191:12:0
SCET1:  1997-053/02:45:30.533   SCET2:  1997-053/02:45:38.533
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

E6JNFEA14001

```
OAPEL:  E6JNFEA14001            ALIAS:  E6JNFEA14001
EXT:    A                       PSID:   EW
SCLK1:  03839210:00:0           SCLK2:  03839211:76:0
SCET1:    97-053/03:04:43.369   SCET2:    97-053/03:06:34.533
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   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	11D00	1,0001,1101,0000,0000
2	1A800	1,1010,1000,0000,0000
3	00900	0,0000,1001,0000,0000
4	0B810	0,1011,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E6JNFEA14002

```
OAPEL:  E6JNFEA14002            ALIAS:  E6JNFEA14002
EXT:    A                       PSID:   EX
SCLK1:  03839232:85:0           SCLK2:  03839234:76:0
SCET1:    97-053/03:27:54.533   SCET2:    97-053/03:29:49.866
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   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	11D00	1,0001,1101,0000,0000
2	1A800	1,1010,1000,0000,0000
3	00900	0,0000,1001,0000,0000
4	0B810	0,1011,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E6JNFEA14003

OAPEL: E6JNFEA14003 ALIAS: E6JNFEA14003
EXT: A PSID: EY
SCLK1: 03839259:86:0 SCLK2: 03839261:59:0
SCET1: 97-053/03:55:13.200 SCET2: 97-053/03:56:56.700
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	11D00	1,0001,1101,0000,0000
2	1A800	1,1010,1000,0000,0000
3	00900	0,0000,1001,0000,0000
4	0B810	0,1011,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E6NNHNDARK04

OAPEL: E6NNHNDARK04 ALIAS: E6NNHNDARK04
EXT: A PSID: FA
SCLK1: 03839795:00:0 SCLK2: 03839796:00:0
SCET1: 97-053/12:56:13.347 SCET2: 97-053/12:57:14.014
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: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 32 TLMFMT: LPU

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

WETGID: 0326032001 03 26 032 001
WTGRP_SIZ: 26

EDIT TABLE

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

E6JNFEA15001

```
OAPEL:  E6JNFEA15001            ALIAS:  E6JNFEA15001
EXT:    A                       PSID:   FB
SCLK1:  03839811:00:0           SCLK2:  03839812:67:0
SCET1:    97-053/13:12:24.013   SCET2:    97-053/13:14:09.200
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   20                  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:    0507020001          05  07  020  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	11D00	1,0001,1101,0000,0000
2	19900	1,1001,1001,0000,0000
3	01900	0,0001,1001,0000,0000
4	0B810	0,1011,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E6JNFEA15002

```
OAPEL:  E6JNFEA15002            ALIAS:  E6JNFEA15002
EXT:    A                       PSID:   FC
SCLK1:  03839827:86:0           SCLK2:  03839829:67:0
SCET1:    97-053/13:29:31.866   SCET2:    97-053/13:31:20.533
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   20                  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:    0507020001          05  07  020  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	11D00	1,0001,1101,0000,0000
2	19900	1,1001,1001,0000,0000
3	01900	0,0001,1001,0000,0000
4	0B810	0,1011,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E6JNFEA15003

```
OAPEL:  E6JNFEA15003            ALIAS:  E6JNFEA15003
EXT:    A                       PSID:   FD
SCLK1:  03839844:86:0           SCLK2:  03839846:50:0
SCET1:    97-053/13:46:43.200   SCET2:    97-053/13:48:20.678
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:   20                  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:    0507020001          05  07  020  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	11D00	1,0001,1101,0000,0000
2	19900	1,1001,1001,0000,0000
3	01900	0,0001,1001,0000,0000
4	0B810	0,1011,1000,0001,0000
5	00C00	0,0000,1100,0000,0000
6	00000	0,0000,0000,0000,0000

E6NNPCTCAL01

```
OAPEL:  E6NNPCTCAL01            ALIAS:  E6NNPCTCAL01
EXT:    A                       PSID:   FP
SCLK1:  03840151:89:0           SCLK2:  03840152:54:0
SCET1:    97-053/18:57:10.001   SCET2:    97-053/18:57:47.334
TARGET: CAL                     PARTITION: 1

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

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

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

WETGID:    0326228001          03  26  228  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FDC0	1,1111,1101,1100,0000
1	1FDC0	1,1111,1101,1100,0000
2	1FDC0	1,1111,1101,1100,0000
3	1FDC0	1,1111,1101,1100,0000
4	1FDC0	1,1111,1101,1100,0000
5	1FDC0	1,1111,1101,1100,0000
6	1FDC0	1,1111,1101,1100,0000
7	1FDC0	1,1111,1101,1100,0000
8	1FDC0	1,1111,1101,1100,0000
9	1FDC0	1,1111,1101,1100,0000
10	1FDC0	1,1111,1101,1100,0000
11	1FDC0	1,1111,1101,1100,0000
12	1FD80	1,1111,1101,1000,0000
13	1FD80	1,1111,1101,1000,0000
14	1FD80	1,1111,1101,1000,0000
15	1FD80	1,1111,1101,1000,0000
16	1FD80	1,1111,1101,1000,0000
17	1FD80	1,1111,1101,1000,0000
18	1FD80	1,1111,1101,1000,0000
19	1FD80	1,1111,1101,1000,0000
20	1FD80	1,1111,1101,1000,0000
21	1FD80	1,1111,1101,1000,0000
22	1FD80	1,1111,1101,1000,0000
23	1FD80	1,1111,1101,1000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

E6NNPCTCAL01

OAPEL: E6NNPCTCAL01 ALIAS: E6NNPCTCAL01
EXT: B PSID: FP
SCLK1: 03840159:00:0 SCLK2: 03840160:00:0
SCET1: 97-053/19:04:16.000 SCET2: 97-053/19:05:16.667
TARGET: CAL PARTITION: 1

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

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

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

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FDC0	1,1111,1101,1100,0000
1	1FDC0	1,1111,1101,1100,0000
2	1FDC0	1,1111,1101,1100,0000
3	1FDC0	1,1111,1101,1100,0000
4	1FDC0	1,1111,1101,1100,0000
5	1FDC0	1,1111,1101,1100,0000
6	1FDC0	1,1111,1101,1100,0000
7	1FDC0	1,1111,1101,1100,0000
8	1FDC0	1,1111,1101,1100,0000
9	1FDC0	1,1111,1101,1100,0000
10	1FDC0	1,1111,1101,1100,0000
11	1FDC0	1,1111,1101,1100,0000
12	1FD80	1,1111,1101,1000,0000
13	1FD80	1,1111,1101,1000,0000
14	1FD80	1,1111,1101,1000,0000
15	1FD80	1,1111,1101,1000,0000
16	1FD80	1,1111,1101,1000,0000
17	1FD80	1,1111,1101,1000,0000
18	1FD80	1,1111,1101,1000,0000
19	1FD80	1,1111,1101,1000,0000
20	1FD80	1,1111,1101,1000,0000
21	1FD80	1,1111,1101,1000,0000
22	1FD80	1,1111,1101,1000,0000
23	1FD80	1,1111,1101,1000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

E6CNCALLRT01

OAPEL: E6CNCALLRT01 ALIAS: E6CNCALLRT01
EXT: R PSID: DC
SCLK1: 03840332:00:0 SCLK2: 03840334:12:0
SCET1: 1997-053/21:59:11.200 SCET2: 1997-053/22:01:20.533
TARGET: CALLISTO PARTITION: 1

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

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

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

WETGID: 0301408000 03 01 408 000
WTGRP_SIZ: 1

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
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	1FFFF	1,1111,1111,1111,1111
25	1FFFF	1,1111,1111,1111,1111

E6CNGLOBAL01

```
OAPEL:  E6CNGLOBAL01            ALIAS:  E6CNGLOBAL01
EXT:    A                       PSID:   FE
SCLK1:  03840341:00:0           SCLK2:  03840343:02:0
SCET1:    97-053/22:08:17.327   SCET2:    97-053/22:10:19.994
TARGET: CALLISTO                PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  270                  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:    0326270001          03  26  270  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	07DFE	0,0111,1101,1111,1110
1	005FE	0,0000,0101,1111,1110
2	07DFE	0,0111,1101,1111,1110
3	005FE	0,0000,0101,1111,1110
4	07DFE	0,0111,1101,1111,1110
5	005FE	0,0000,0101,1111,1110
6	07DFE	0,0111,1101,1111,1110
7	005FE	0,0000,0101,1111,1110
8	07DFE	0,0111,1101,1111,1110
9	005FE	0,0000,0101,1111,1110
10	07DFE	0,0111,1101,1111,1110
11	005FE	0,0000,0101,1111,1110
12	07DFE	0,0111,1101,1111,1110
13	00DFE	0,0000,1101,1111,1110
14	07DFE	0,0111,1101,1111,1110
15	00DFE	0,0000,1101,1111,1110
16	07DFE	0,0111,1101,1111,1110
17	00DFE	0,0000,1101,1111,1110
18	07DFE	0,0111,1101,1111,1110
19	00DFE	0,0000,1101,1111,1110
20	07DFE	0,0111,1101,1111,1110
21	00DFE	0,0000,1101,1111,1110
22	07DFE	0,0111,1101,1111,1110
23	00DFE	0,0000,1101,1111,1110
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

E6NNRCTRLT01

```
OAPEL:  E6NNRCTRLT01            ALIAS:  LSNNRCTRTA01
EXT:    R                       PSID:   XU
SCLK1:  03843565:00:0           SCLK2:  03843565:12:0
SCET1:  1997-056/04:28:06.400   SCET2:  1997-056/04:28:14.400
TARGET: CAL                     PARTITION: 1

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

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

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

WETGID:    0303252000          03  03  252  000
WTGRP_SIZ:  3
```

EDIT TABLE

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

E6NNRCTRLT01

```
OAPEL:  E6NNRCTRLT01            ALIAS:  LSNNRCTRTA01
EXT:    S                       PSID:   XU
SCLK1:  03843571:00:0           SCLK2:  03843572:12:0
SCET1:  1997-056/04:34:10.400   SCET2:  1997-056/04:35:19.066
TARGET: CAL                     PARTITION: 1

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

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

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

WETGID:    0303252000          03  03  252  000
WTGRP_SIZ:  3
```

EDIT TABLE

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

E6NNRCTRLT01

```
OAPEL:  E6NNRCTRLT01            ALIAS:  LSNNRCTRTA01
EXT:    T                       PSID:   XU
SCLK1:  03843577:00:0           SCLK2:  03843577:12:0
SCET1:  1997-056/04:40:14.400   SCET2:  1997-056/04:40:22.400
TARGET: CAL                     PARTITION: 1

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

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

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

WETGID:    0303252000          03  03  252  000
WTGRP_SIZ:  3
```

EDIT TABLE

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

E6NNRCTRLT02

```
OAPEL:  E6NNRCTRLT02            ALIAS:  LSNNRCTRTB01
EXT:    R                       PSID:   YE
SCLK1:  03869779:00:0           SCLK2:  03869779:12:0
SCET1:  1997-074/14:13:21.400   SCET2:  1997-074/14:13:29.400
TARGET: CAL                     PARTITION: 1

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

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

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

WETGID:    0303252000          03  03  252  000
WTGRP_SIZ:  3
```

EDIT TABLE

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

E6NNRCTRLT02

```
OAPEL:  E6NNRCTRLT02            ALIAS:  LSNNRCTRTB01
EXT:    S                       PSID:   YE
SCLK1:  03869785:00:0           SCLK2:  03869786:12:0
SCET1:  1997-074/14:19:25.400   SCET2:  1997-074/14:20:34.066
TARGET: CAL                     PARTITION: 1

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

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

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

WETGID:    0303252000          03  03  252  000
WTGRP_SIZ:  3
```

EDIT TABLE

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

E6NNRCTRLT02

```
OAPEL:  E6NNRCTRLT02            ALIAS:  LSNNRCTRTB01
EXT:    T                       PSID:   YE
SCLK1:  03869791:00:0           SCLK2:  03869791:12:0
SCET1:  1997-074/14:25:29.400   SCET2:  1997-074/14:25:37.400
TARGET: CAL                     PARTITION: 1

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

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

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

WETGID:    0303252000          03  03  252  000
WTGRP_SIZ:  3
```

EDIT TABLE

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

E6NNDET3CHK1

```
OAPEL:  E6NNDET3CHK1            ALIAS:  E6NNDET3CHK1
EXT:    R                       PSID:   DN
SCLK1:  03875634:00:0           SCLK2:  03875635:12:0
SCET1:  1997-078/16:53:24.533   SCET2:  1997-078/16:54:33.200
TARGET: CAL                     PARTITION: 1

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

MB_DOWN:   11011                MB_UP:     11011
COMP_FLAG: 0
EST_COMP:  0.0                  EST_COMPV: 0.0
RATE_CON1: 00000                RATE_CON2: 00000
NWAVETOT:   72                  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:    0302072000          03  02  072  000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0E000	0,1110,0000,0000,0000
1	0E000	0,1110,0000,0000,0000
2	0E000	0,1110,0000,0000,0000
3	0E000	0,1110,0000,0000,0000
4	0E000	0,1110,0000,0000,0000
5	0E000	0,1110,0000,0000,0000
6	0E000	0,1110,0000,0000,0000
7	0E000	0,1110,0000,0000,0000
8	0E000	0,1110,0000,0000,0000
9	0E000	0,1110,0000,0000,0000
10	0E000	0,1110,0000,0000,0000
11	0E000	0,1110,0000,0000,0000
12	0E000	0,1110,0000,0000,0000
13	0E000	0,1110,0000,0000,0000
14	0E000	0,1110,0000,0000,0000
15	0E000	0,1110,0000,0000,0000
16	0E000	0,1110,0000,0000,0000
17	0E000	0,1110,0000,0000,0000
18	0E000	0,1110,0000,0000,0000
19	0E000	0,1110,0000,0000,0000
20	0E000	0,1110,0000,0000,0000
21	0E000	0,1110,0000,0000,0000
22	0E000	0,1110,0000,0000,0000
23	0E000	0,1110,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

E6NNOPCAL_01

OAPEL: E6NNOPCAL_01 ALIAS: E6NNOPCAL_01
EXT: R PSID: DN
SCLK1: 03886044:00:0 SCLK2: 03886046:12:0
SCET1: 1997-086/00:19:04.133 SCET2: 1997-086/00:21:13.466
TARGET: CAL PARTITION: 1

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

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 120 TLMFMT: RT

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

WETGID: 0302120000 03 02 120 000
WTGRP_SIZ: 2

EDIT TABLE

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

NIMS E6 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS E6 data. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry. Included items come from NIMS commands in (1) the Standard Sequence Data File (SSDF) and (2) the Playback Table Update Process (PTUP), plus some items from (3) the NIMS/CDS software load.

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

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

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

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

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

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  MODE          2  72 -  73     .NIMS Instrument MODE (0-15)                    SEF: 37IOP, data byte 2, bits 5-8
  GAIN          1  74 -  74     .Gain State (true value)                        SEF: 37IST, data byte 3, bits 7-8 (if bit 6 = 1)
                                                                                      0=gs2, 1=gs4, 2=gs3, 3=gs1
  CHOP          1  75 -  75     .Chopper State (1=Ref,2=63Hz,3=FreeRun,4=Off)   SEF: 37IST, data byte 2, bits 7-8 (if bit 6 = 1)
                                                                                      0=63hz, 1=off, 2=ref, 3=freerun
  GRAT_OFF      1  76 -  76     .Grating Offset (0-7, default 4)                SEF: 37GOF, data byte 2, bits 5-8
  PTAB_A(6)    12  77 -  88     .First PTAB  |repeat count,mirror op,autobias...SEF: functions of MODE (from 37IOP) as modified by
  PTAB_B(6)    12  89 - 100     .Second PTAB |...grating start, grating delta...     37MPT, unless special sequence (modes 12-15)
                                .            |...number of grating positions)        in which case values come from 37SS
                                                                                      parameters <tbd>
  ECAL          1 101 - 101     .Electronics Calibration Active (1=yes)         SEF: 37IST, data byte 3, bit 4 (1=on)
  OPCAL         1 102 - 102     .Optics Calibration active (1=yes)              SEF: 37IST, data byte 3, bit 5 (1=on)
# REAL_TIME     1 103 - 103     .NIMS in Real-Time Telemetry (1=yes)            SEF: track RT_INST_SEL .and. 37RT
# RECORD        1 104 - 104     .NIMS in Record Telemetry (1=yes)               SEF: track DMS status event:
                                                                                      RECORD, REVERSE, RESUME, RUNDOWN <tbd>


* THRESHSEL     1 105 - 105     .Threshold value select (>0 = yes)              PBK: THRESHLD_TBL > 0 (i.e. 1-3)
  <spare>       1 106 - 106     .
# RTISELDN      5 107 - 111     .RTI select, 5 binary bits (for mirror          SEF: 37MB data byte 1, bits 4-8 <tbd>
                                  position blocking, down scan)
# RTISELUP      5 112 - 116     .RTI select, 5 binary bits (for mirror          SEF: 37MB data byte 2, bits 4-8 <tbd>
                                  position blocking, up scan)
  <spare>       1 117 - 117     .
* RICEFLAG      1 118 - 118     .Rice compression flag                          PBK: 0 no compression
                                                                                     1 Rice compression, ref vals each mirror scan
                                                                                     3 Rice compression, ref vals each RIM rollover
  <spare>       1 119 - 119     .
  ESTCOMP       3 120 - 122     .Rice estimated compression ratio (m.n)         PBK: CMPR_DVSR <tbd>
  ESTCOMPV      3 123 - 125     .Rice estimated error in compression ratio (m.n)PBK: CMPR_UNC <tbd>
# RATECON1      5 126 - 130     .Rate control lower limit                       PBK: | S/W table entry indexed by LOSSY_COMP (1-7)
# RATECON2      5 131 - 135     .Rate control upper limit                       PBK: | or 0 if LOSSY_COMP = 0 (no rate control)
  <spare>      17 136 - 152
  NWAVETOT      3 153 - 155     .Total number of wavelengths selected           Compute from relevant Wavelength Edit Table group
  TLMFMT        3 156 - 158     .Telemetry format (MPW et al, LPU or LNR)         SEF: 6TMREC command
  SCET1        21 159 - 179     .Start time of played-back OBS in UTC           PBK (except realtime data: SEF)
  SCET2        21 180 - 200     .Stop time of played-back OBS in UTC            PBK (except realtime data: SEF)
<spares>       67 201 - 267     .Start time of played-back OBS in UTC           PBK (except realtime data: SEF)
* THRESH       51 268 - 318     .Threshold values (17 3-digit values, 0-999)    PBK: S/W table indexed by THRESH_TBL > 0, else 0s
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# WETGID       10 319 - 328     .Wavelength selection group ID (unique)         PBK: WET_GID    (realtime <tbd>)
                                  Rule of formation: mmeelllnnn where
                                   mm  = instrument mode (0-15)
                                   ee  = # entries in group
                                   lll = number of wavelengths selected
                                   nnn = sequence number
* WETGRPSIZ     2 329 - 330     .# Wavelength Edit entries (1-26)               PBK: ED_GRP_LEN (realtime SEF: 37ETB <tbd>)
* WETGRP      182 331 - 512     .Wavelength Edit Table group:  WETGRPSIZ        PBK: ED_GRP     (realtime SEF: 37ETB data bytes 2..)
                                  entries, each one has 7 characters.  The
                                  first 2 characters are the repeat count
                                  (01-26).  The other 5 characters contain
                                  5 hex digits, representing the detector
                                  mask in the form BHHHH where B is 0 or 1
                                  and H has range 0-15.  (These entries are
                                  from the 37ETB instrument edit group for
                                  realtime data and from the logical AND of
                                  corresponding entries in the instrument
                                  and playback edit groups for playback data.)
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.The TARGET names used are:
   CAL      - N - non-science targets, usually calibration targets
   EARTH    - W - Earth
   MOON     - L - Moon
   SKY      - H - Stellar Space (space and stars)
   VENUS    - V - Venus
   GASPRA   - P - Gaspra
   IDA      - U - Ida
   JUPITER  - J - Jupiter
   IO       - I - Io
   EUROPA   - E - Europa
   GANYMEDE - G - Ganymede
   CALLISTO - C - Callisto
   J_RING   - R - Jupiter rings
   (the single letter abbreviation appears as the third character in the OAPEL name ).
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E6JNAURORA01E6JNAURORA01RFH03834085:00:003834085:12:01        JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                408RT 1997-049/12:42:46.7331997-049/12:42:54.733
          00000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

E6JNFEA06401E6JNFEA06401ADB03835467:00:003835468:58:01        JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                 4LPU  97-050/12:00:08.174  97-050/12:01:47.508
          00000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000000100000

E6JNFEA06402E6JNFEA06402ADC03835483:00:003835484:58:01        JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                20LPU  97-050/12:16:18.840  97-050/12:17:58.173
          00000000000000000000000000000000000000000000000000507020001 701000000111D000119900010190001 0B8100100C000100000

E6JNFEA06403E6JNFEA06403ADE03835550:00:003835551:58:01        JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                 4LPU  97-050/13:24:03.505  97-050/13:25:42.838
          00000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000000100000

E6NNHNDARK01E6NNHNDARK01ADF03835957:90:003835958:90:01        CAL      3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                32LPU  97-050/20:16:34.822  97-050/20:17:35.489
          00000000000000000000000000000000000000000000000000032603200126011FDFF011FDFF010000001000000100000010000001000000100
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
E6ENCHEMIS01E6INCHEMIS01ADG03835974:90:003835976:64:01        EUROPA   3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                96MPW  97-050/20:33:46.155  97-050/20:35:30.155
          03003003000003002902802802902803203403103103203002903260960012601000000011FDFF010000001000000100000011FDFF010000001000
000100000011FDFF010000001000000100000011FDFF010000001000000100000011FDFF010000001000000100000011FDFF010000001000000100000
E6NNHEALTH01E6NNHEALTH01RFY03836035:00:003836035:12:01        CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                003RT 1997-050/21:34:26.6661997-050/21:34:34.666
          00000000000000000000000000000000000000000000000000302003000 201080442500000

E6JNFEA04801E6JNFEA04801ADH03836050:00:003836051:58:01        JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                 4LPU  97-050/21:49:36.819  97-050/21:51:16.153
          00000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000000100000

E6JNPFTB4801E6JNPFTB4801AFC03836093:00:003836099:73:01        JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                 4LPU  97-050/22:33:05.484  97-050/22:39:58.151
          00000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000000100000

E6JNFEA04803E6JNFEA04803ADL03836159:00:003836160:59:01        JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                 4LPU  97-050/23:39:49.482  97-050/23:41:29.482
          00000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000000100000

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E6JNPFTB4802E6JNPFTB4802ADN03836173:00:003836179:74:01        JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  20LPU  97-050/23:53:58.814  97-051/00:00:52.000
          00000000000000000000000000000000000000000000000000507020001 701000000111D000119900010190001OB8100100C000100000

E6JNRTHOTS01E6JNRTHOTS01RFJ03836385:00:003836385:12:01        JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                408RT 1997-051/03:28:20.0001997-051/03:28:28.000
          00000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

E6INCHEMIS02E6INCHEMIS02ADO03836419:00:003836422:41:01        IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  384MPW  97-051/04:02:42.805  97-051/04:06:12.139
          03003003000003002902802802902803203403103103203002903263840012601 1FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FD
FF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF01000000100000
E6NNHNDARK02E6NNHNDARK02ADP03836498:00:003836499:00:01        CAL      3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  32LPU  97-051/05:22:35.469  97-051/05:23:36.136
          00000000000000000000000000000000000000000000000000326032001260 11FDFF011FDFF0100000010000001000000100000010000001000
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
E6JNFEA02001E6JNFEA02001ADQ03836641:00:003836655:16:01        JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  20LPU  97-051/07:47:10.797  97-051/08:01:30.796
          00000000000000000000000000000000000000000000000000507020001 701000000111D000119900010190001OB8100100C000100000

E6JNFEA02002E6JNFEA02002ADR03836669:00:003836670:59:01        JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  25LPU  97-051/08:15:29.463  97-051/08:17:09.463
          00000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

E6NNHEALTH02E6NNHEALTH02RFX03836674:00:003836674:12:01        CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                003RT 1997-051/08:20:32.6661997-051/08:20:40.666
          00000000000000000000000000000000000000000000000000302003000 201080442500000

E6JNFEA02003E6JNFEA02003ADS03836688:00:003836701:59:01        JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  25LPU  97-051/08:34:42.129  97-051/08:48:30.129
          00000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

E6JNFEASUB01E6JNFEASUB01ADU03836762:00:003836768:00:01        JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  80LPU  97-051/09:49:31.459  97-051/09:55:35.459
          00000000000000000000000000000000000000000000000000326080001260111400011140001114000111400011140001114000111400011940
00011A400011A400010A400010A400010A400010AC00010A800010A800011A800011A800011A800011A800011280001128000112800011280001000000100000
E6ENEURORT01E6ENEURORT01RFK03836891:00:003836892:12:01        EUROPA   3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                408RT 1997-051/11:59:57.3331997-051/12:01:06.000
          00000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

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E6ENTERINC01E6ENTERINC01BDG03836904:23:003836910:38:01         EUROPA   1214 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                 192MPW  97-051/12:13:21.454  97-051/12:19:35.454
          00000000000000000000000000000000000000000000000000011319200113011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FD
FF011FDFF011FDFF011FDFF011FDFF0100000
E6ENTERINC01E6ENTERINC01ADG03836912:08:003836920:09:01         EUROPA   1314 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                 192MPW  97-051/12:21:16.787  97-051/12:29:22.786
          00000000000000000000000000000000000000000000000000011319200113011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FD
FF011FDFF011FDFF011FDFF011FDFF0100000
E6INHRSPEC01E6INHRSPEC01AFZ03836932:00:003836936:66:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 216MPW  97-051/12:41:24.786  97-051/12:46:11.453
          03003003000003002902802802902803203403103103203002903262160012601001800 11FDFF0100180011FDFF0100180011FDFF0100180011FD
FF0100180011FDFF0100180011FDFF0100180011FDFF0100180011FDFF0100180011FDFF0100180011FDFF01000000100000
E6ENSUCOMP01E6ENSUCOMP01ADZ03837142:00:003837149:88:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 192MPW  97-051/16:13:44.779  97-051/16:21:48.112
          00000000000000000000000000000000000000000000000000032619200126010000011FDFF0100000011FDFF0100000011FDFF0100000011FD
FF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF01000000100000
E6ENSUCOMP02E6ENSUCOMP02AEA03837160:00:003837167:90:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 192MPW  97-051/16:31:56.779  97-051/16:40:01.333
          00000000000000000000000000000000000000000000000000032619200126010000011FDFF0100000011FDFF0100000011FDFF0100000011FD
FF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF01000000100000
E6ENSUCOMP02E6ENSUCOMP02BEA03837160:00:003837167:90:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  96MPW  97-051/16:31:56.779  97-051/16:40:01.333
          00000000000000000000000000000000000000000000000000032609600126011FD000100000011FD000100000011FD000100000011FD0001000
00011FD000100000011FD000100000011FD000100000011FD000100000011FD000100000011FD000100000011FD000100000011FD000100000011FD0001000000100000100000
E6ENSUCOMP02E6ENSUCOMP02CEA03837160:00:003837167:90:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 288MPW  97-051/16:31:56.779  97-051/16:40:01.333
          00000000000000000000000000000000000000000000000000032628800126011FD00011FDFF011FD00011FDFF011FD00011FDFF011FD00011FD
FF011FD00011FDFF011FD00011FDFF011FD00011FDFF011FD00011FDFF011FD00011FDFF011FD00011FDFF01000000100000
E6INRTIMON01E6INRTIMON01RDT03837171:00:003837171:12:01         IO       7214 1 1 021 012 1 1 021 01200100 1110000111 0 0.00.0000
0000000                 008RT 1997-051/16:43:04.0001997-051/16:43:12.000
          00000000000000000000000000000000000000000000000000702008000 212129950100000

E6ENBRTPLN01E6ESBRTPLN01AIR03837175:03:003837175:51:01         EUROPA   3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 384IM8  97-051/16:47:08.778  97-051/16:47:40.778
          00000000000000000000000000000000000000000000000000032638400126011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FD
FF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF01000000100000
E6ENSEAICE01E6ENSEAICE01AFM03837239:00:003837240:04:01         EUROPA   7314 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525                  10LPU  97-051/17:51:49.442  97-051/17:52:52.776
          00000000000000000000000000000000000000000000000000071301000113011FDC0011FDC0011FDC0011FDC0011FDC0011FDC0011FDC0011FD
C0011FDC0011FDC0011FDC00100000
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E6ENSEAICE01E6ENSEAICE01BFM03837245:26:003837246:31:01         EUROPA   7314 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525                  10LPU  97-051/17:58:10.775  97-051/17:59:14.775
          00000000000000000000000000000000000000000000000000007130100011301 1FDC0011FDC0011FDC0011FDC0011FDC0011FDC0011FDC0011FD
C0011FDC0011FDC0011FDC0011FDC00100000
E6NNHEALTH03E6NNHEALTH03RFW03837467:00:003837467:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 003RT 1997-051/21:42:21.2661997-051/21:42:29.266
          00000000000000000000000000000000000000000000000000302003000 201080442500000

E6JNFEA03801E6JNFEA03801AED03837491:83:003837502:58:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  25LPU  97-051/22:07:32.766  97-051/22:18:23.432
          00000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201 0B8100100C010100000

E6INCHEMIS06E6INCHEMIS06AEE03837843:00:003837845:64:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 216LPU  97-052/04:02:32.086  97-052/04:05:16.086
          03003003000003002902802802902803203403103103203002903262160012601001800 11FDFF0100180011FDFF0100180011FDFF0100180011FD
FF0100180011FDFF0100180011FDFF0100180011FDFF0100180011FDFF0100180011FDFF0100180011FDFF0100180011FDFF0100180011FDFF0100000100000
E6NNHNDARK03E6NNHNDARK03AEG03837868:00:003837869:00:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  32LPU  97-052/04:27:48.752  97-052/04:28:49.418
          00000000000000000000000000000000000000000000000000032603200126011 FDFF011FDFF0100000010000001000000100000010000001000
0001000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
E6NNHEALTH04E6NNHEALTH04RFV03838006:00:003838006:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 003RT 1997-052/06:47:20.6001997-052/06:47:28.600
          00000000000000000000000000000000000000000000000000302003000 201080442500000

E6JNFEA09501E6JNFEA09501AEH03838025:00:003838026:59:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  97-052/07:06:33.413  97-052/07:08:13.413
          00000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000001000000

E6JNFEA09502E6JNFEA09502AEI03838072:00:003838073:59:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  20LPU  97-052/07:54:04.744  97-052/07:55:44.744
          00000000000000000000000000000000000000000000000000507020001 701000000111D000119900010190001 0B8100100C000100000

E6JNFEA09503E6JNFEA09503AEJ03838084:00:003838085:58:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  97-052/08:06:12.744  97-052/08:07:52.077
          00000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000001000000

E6INVOLCAN01E6INVOLCAN01AEK03838097:00:003838098:23:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  67LPU  97-052/08:19:21.410  97-052/08:20:37.410
          03003003000003002902802802902803203403103103203002903260670012601000000 11FDFF0100000010000001000000100000010000011FD
FF0100000010010001000000100100010000001001000100000011FDFF0100000010000001000000100000010000001000000100000011FDFF0100000100000
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E6JNFEA53M01E6JNFEA53M01AEL03838121:00:003838127:00:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  160LPU  97-052/08:43:37.410  97-052/08:49:41.409
          000000000000000000000000000000000000000000000000000326160001260101183010118B010118F010118F010118F010118F010118F01001
8F010018F010018F010018F010018F010018F010018F010018F010018F010018F010019F010019F010219F010219F010231F010231F010231F01000000100000
E6NNHEALTH05E6NNHEALTH05RFU03838176:00:003838176:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                  003RT 1997-052/09:39:13.9331997-052/09:39:21.933
          000000000000000000000000000000000000000000000000000302003000 201080442500000

E6JNFEA5UM01E6JNFEA5UM01AEN03838203:00:003838209:00:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                   80LPU  97-052/10:06:32.073  97-052/10:12:36.072
          000000000000000000000000000000000000000000000000000326080001260100007010000701000070100007010000701000070100007010000701000
070100007010000701000070100007010000701000070100007010000F010000F010000F010000F010000F010000F010000F010000F01000000100000
E6JNTHRMNS01E6JNTHRMNS01AEP03838263:00:003838284:24:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                   80LPU  97-052/11:07:12.070  97-052/11:28:42.069
          000000000000000000000000000000000000000000000000000326080001260100007010000701000070100007010000701011070100007010000
070100007011000701000070100007010000701008070100007010000701000070100007010000701000070100007010000F010000F010000F010000F01000000100000
E6NNHEALTH06E6NNHEALTH06RFT03838556:00:003838556:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                  003RT 1997-052/16:03:27.2661997-052/16:03:35.266
          000000000000000000000000000000000000000000000000000302003000 201080442500000

E6GNGLOBAL01E6GNGLOBAL01AFZ03838574:51:003838579:31:01         GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  192LPU  97-052/16:22:13.393  97-052/16:27:03.392
          000000000000000000000000000000000000000000000000000326192001260100000011FDFF0100000011FDFF0100000011FDFF0100000011FD
FF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF01000000100000
E6GNGLOBAL01E6GNGLOBAL01BFZ03838584:63:003838589:43:01         GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  192LPU  97-052/16:32:28.058  97-052/16:37:18.058
          000000000000000000000000000000000000000000000000000326192001260100000011FDFF0100000011FDFF0100000011FDFF0100000011FD
FF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF0100000011FDFF01000000100000
E6JNFEA12401E6JNFEA12401AEQ03838600:00:003838601:59:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  97-052/16:47:56.725  97-052/16:49:36.725
          000000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000001000000

E6JNFEA12402E6JNFEA12402AER03838634:00:003838635:59:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  20LPU  97-052/17:22:19.390  97-052/17:23:59.390
          000000000000000000000000000000000000000000000000000507020001 701000000111D000119900010190001 0B8100100C000100000

E6JNFEA12403E6JNFEA12403AES03838665:00:003838666:59:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  97-052/17:53:40.055  97-052/17:55:20.055
          000000000000000000000000000000000000000000000000000507004001 701000000101100011000001008000100000010000001000000

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E6NNHEALTH07E6NNHEALTH07RFS03839191:00:003839191:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 003RT 1997-053/02:45:30.5331997-053/02:45:38.533
          00000000000000000000000000000000000000000000000000302003000 201080442500000

E6JNFEA14001E6JNFEA14001AEW03839210:00:003839211:76:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                 19LPU  97-053/03:04:43.369  97-053/03:06:34.533
          00000000000000000000000000000000000000000000000000507019001 701004000111D00011A800010090010B8100100C000100000

E6JNFEA14002E6JNFEA14002AEX03839232:85:003839234:76:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                 19LPU  97-053/03:27:54.533  97-053/03:29:49.866
          00000000000000000000000000000000000000000000000000507019001 701004000111D00011A800010090010B8100100C000100000

E6JNFEA14003E6JNFEA14003AEY03839259:86:003839261:59:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                 19LPU  97-053/03:55:13.200  97-053/03:56:56.700
          00000000000000000000000000000000000000000000000000507019001 701004000111D00011A800010090010B8100100C000100000

E6NNHNDARK04E6NNHNDARK04AFA03839795:00:003839796:00:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 32LPU  97-053/12:56:13.347  97-053/12:57:14.014
          00000000000000000000000000000000000000000000000000032603200126011FDFF011FDFF010000001000000100000010000001000000100
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
E6JNFEA15001E6JNFEA15001AFB03839811:00:003839812:67:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                 20LPU  97-053/13:12:24.013  97-053/13:14:09.200
          00000000000000000000000000000000000000000000000000507020001 701000000111D000119900010190010B8100100C000100000

E6JNFEA15002E6JNFEA15002AFC03839827:86:003839829:67:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                 20LPU  97-053/13:29:31.866  97-053/13:31:20.533
          00000000000000000000000000000000000000000000000000507020001 701000000111D000119900010190010B8100100C000100000

E6JNFEA15003E6JNFEA15003AFD03839844:86:003839846:50:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                 20LPU  97-053/13:46:43.200  97-053/13:48:20.678
          00000000000000000000000000000000000000000000000000507020001 701000000111D000119900010190010B8100100C000100000

E6NNPCTCAL01E6NNPCTCAL01AFP03840151:89:003840152:54:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  97-053/18:57:10.001  97-053/18:57:47.334
          00000000000000000000000000000000000000000000000000032622800126011FDC0011FDC0011FDC0011FDC0011FDC0011FDC0011FDC0011FD
C0011FDC0011FDC0011FDC0011FDC0011FD80011FD80011FD80011FD80011FD80011FD80011FD80011FD80011FD80011FD80011FD8001000000100000
E6NNPCTCAL01E6NNPCTCAL01BFP03840159:00:003840160:00:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  97-053/19:04:16.000  97-053/19:05:16.667
          00000000000000000000000000000000000000000000000000032622800126011FDC0011FDC0011FDC0011FDC0011FDC0011FDC0011FDC0011FD
C0011FDC0011FDC0011FDC0011FDC0011FD80011FD80011FD80011FD80011FD80011FD80011FD80011FD80011FD80011FD80011FD8001000000100000
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E6CNCALLRT01E6CNCALLRT01RDC03840332:00:003840334:12:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-053/21:59:11.2001997-053/22:01:20.533
          00000000000000000000000000000000000000000000000000301408000 1261FFFF

E6CNGLOBAL01E6CNGLOBAL01AFE03840341:00:003840343:02:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 270MPW  97-053/22:08:17.327  97-053/22:10:19.994
          00000000000000000000000000000000000000000000000000032627000126010 7DFE01005FE0107DFE01005FE0107DFE01005FE0107DFE01005
FE0107DFE01005FE0107DFE01005FE0107DFE0100DFE0107DFE0100DFE0107DFE0100DFE0107DFE0100DFE0107DFE0100DFE01000000100000
E6NNRCTRLT01LSNNRCTRTA01RXU03843565:00:003843565:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-056/04:28:06.4001997-056/04:28:14.400
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

E6NNRCTRLT01LSNNRCTRTA01SXU03843571:00:003843572:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-056/04:34:10.4001997-056/04:35:19.066
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

E6NNRCTRLT01LSNNRCTRTA01TXU03843577:00:003843577:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-056/04:40:14.4001997-056/04:40:22.400
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

E6NNRCTRLT02LSNNRCTRTB01RYE03869779:00:003869779:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-074/14:13:21.4001997-074/14:13:29.400
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

E6NNRCTRLT02LSNNRCTRTB01SYE03869785:00:003869786:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-074/14:19:25.4001997-074/14:20:34.066
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

E6NNRCTRLT02LSNNRCTRTB01TYE03869791:00:003869791:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-074/14:25:29.4001997-074/14:25:37.400
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

E6NNDET3CHK1E6NNDET3CHK1RDN03875634:00:003875635:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  72RT 1997-078/16:53:24.5331997-078/16:54:33.200
          00000000000000000000000000000000000000000000000000302072000 2240E0000200000

E6NNOPCAL_01E6NNOPCAL_01RDN03886044:00:003886046:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 120RT 1997-086/00:19:04.1331997-086/00:21:13.466
          00000000000000000000000000000000000000000000000000302120000 224187000200000

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