Chapter 4 - NIMS Observation Summaries

Contents

Sub-Section		Page
4.0	Contents	1
4.1	Introduction to Chapter 4	2
4.2	NIMS Sequence Summary	3-108
4.3	NIMS Individual Obstab Summaries	109-147
4.4	NIMS OBSTAB (Returned)	148-154

Introduction to Chapter 4

This chapter summarizes the NIMS G1 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 G1 Sequence. The information in this summary is derived from the G1 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 G1 data. It is also derived from the G1 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

Sequence:	G01AJA-AR	Created: 8/6/96	Begin: 96-175/16:00:00 Finish: 96-182/04:30:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
1	**96**	**175**	**15:59:59.800**	**20A3EW**	**37A**	**Initial Condition**		**NIMS Power ON**	**4O0**	**4**	**0**	**3,492,477:58:0**	
2	**96**	**175**	**15:59:59.800**	**20AEEV**	**37IST**	**Initial Condition**			**4O0**	**4**	**0**	**3,492,477:58:0**	
3	**96**	**175**	**15:59:59.800**	**20A3EX**	**37HR**	**Initial Condition**		**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,492,477:58:0**	
4	**96**	**175**	**15:59:59.800**	**20A3EY**	**37C1PR**	**Initial Condition**		**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,492,477:58:0**	
5	**96**	**175**	**15:59:59.800**	**20A3EZ**	**37C2PR**	**Initial Condition**		**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,492,477:58:0**	
6	**96**	**175**	**15:59:59.800**	**20A3FA**	**37F1PR**	**Initial Condition**		**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,492,477:58:0**	
7	**96**	**175**	**15:59:59.800**	**20A3FB**	**37F2PR**	**Initial Condition**		**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,492,477:58:0**	
8	**96**	**175**	**15:59:59.800**	**20A3FD**	**40HRPR**	**Initial Condition**		**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,492,477:58:0**	
9	**96**	**175**	**15:59:59.800**	**20A3FE**	**40T1P**	**Initial Condition**		**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,492,477:58:0**	
10	**96**	**175**	**15:59:59.800**	**20A3FF**	**40T2**	**Initial Condition**		**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,492,477:58:0**	
11	**96**	**175**	**15:59:59.800**	**125DH4C**	**37IST**	**Initial Condition**		**Chopper OFF, N/A, 63Hz (Ref)Gain State 4**	**4O0**	**4**	**0**	**3,492,477:58:0**	
12	**96**	**175**	**15:59:59.800**	**125DH4D**	**37IOP**	**Initial Condition**		**Safe, Grating Start Position =00**	**4O0**	**4**	**0**	**3,492,477:58:0**	
13	96	175	15:59:59.800		DMS:	: READY		RDY, TRACK 2, REV, TIC 5601.00 +/-	4O0	4	0	3,492,477:58:0	
14	**96**	**175**	**16:00:21.800**	**432SA6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**		**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,492,478:00:0**	
15	**96**	**175**	**16:01:21.133**	**432JA6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**		**NIMS R/T DESELECT**	**4O0**	**4**	**0**	**3,492,478:89:0**	
16	96	175	16:01:21.800	432JA431A6A	6RCDSL	DDSDSL,PLSDSL,EP		Record Deselect (DDS o	4O0	4	0	3,492,478:90:0	
17	**96**	**175**	**16:01:22.466**	**432JA6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**		**AACS SELECT**	**4O0**	**4**	**0**	**3,492,479:00:0**	
18	96	175	16:01:22.466	432JA6C	6RTSL1			R/T Select of DDS and	4O0	4	0	3,492,479:00:0	
19	96	175	16:02:11.800	488AA6A	6TMSED	NORM,DL4		Sci, Eng, and D/L Chan	4O0	4	0	3,492,479:74:0	
20	96	175	16:04:59.800	418SA6B	6BUFHI		10	MUB Buffer high water	4O0	4	0	3,492,482:53:0	
21	96	175	16:04:59.800	418SA6A	6BUFLO		1	MUB Buffer low water m	4O0	4	0	3,492,482:53:0	
22	96	175	16:41:21.133	444UA443A4B	**7MODE**	**INT**		**AACS INERTIAL MODE**	4O0	4	0	3,492,518:49:0	
23	96	175	17:04:00.466	481UD4A	7VECT			Inert vect update UTC	4O0	4	0	3,492,540:86:0	
24	96	175	17:05:59.800	41W99A	POWER	PWR MODE change		Change to Data Taking Mode	4O0	4	0	3,492,542:83:0	
25	**96**	**175**	**17:06:03.800**	**41W3K**	**37F2PR**		**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,492,542:89:0**	
26	**96**	**175**	**17:06:13.800**	**41W3L**	**37F2PR**		**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,492,543:13:0**	
27	**96**	**175**	**17:06:23.800**	**41W3A**	**40T1PR**		**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,492,543:28:0**	
28	**96**	**175**	**17:06:33.800**	**41W3B**	**40T1PR**		**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,492,543:43:0**	
29	**96**	**175**	**17:06:43.800**	**41W3C**	**40T2R**		**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,492,543:58:0**	
30	**96**	**175**	**17:06:53.800**	**41W3D**	**40T2R**		**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,492,543:73:0**	
31	96	175	17:16:11.800	465QB6A	6DMSC	RDY,1		DMS Control Tape stop	4O0	4	0	3,492,553:00:0	
32	96	175	17:16:11.800		DMS:	: READY		RDY, TRACK *1, *FWD, TIC 5601.00 +/-	4O0	4	0	3,492,553:00:0	
33	96	175	17:16:17.133	465QA6A	6DTRN	CMD,6DTRN,465QA6		DMS TRACK TURNAROUND	4O0	4	0	3,492,553:08:0	
34	96	175	17:16:17.133		DMS:	: *DMS-TURN		P7, TRACK 1, FWD, TIC 5601.00 +/-	4O0	4	0	3,492,553:08:0	
35	96	175	17:21:45.133	432BA6A	6RTSL1			R/T Select of DDS and	4O0	4	0	3,492,558:45:0	
36	96	175	17:47:18.333		DMS:	: *REVERSE		P7, TRACK 1, FWD, TIC *6037.00 +/-	4O0	4	0	3,492,583:69:8	
37	96	175	17:47:19.733		DMS:	: *TURNARND		P7, TRACK *2, *REV, TIC *6037.06 +/-	4O0	4	0	3,492,583:71:9	
38	96	175	17:48:13.533		DMS:	: *AUTOSTOP		P7, TRACK 2, REV, TIC *6024.66 +/-	4O0	4	0	3,492,584:61:6	
39	96	175	17:48:14.933		DMS:	: *READY		RDY, TRACK 2, REV, TIC *6024.60 +/-	4O0	4	0	3,492,584:63:7	
40	96	175	18:54:15.133	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP		Record Deselect (DDS o	4O0	4	0	3,492,649:89:0	
41	96	175	18:54:15.133	165CA4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,492,649:89:0	
42	96	175	18:54:15.800	165CA4B	7SCAN	NORM,209.092999,		Check S/P Position	4O0	4	0	3,492,649:90:0	
43	96	175	18:57:25.133	20YC6A	6HICON				4O0	4	0	3,492,653:10:0	
44	96	175	18:58:19.133	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP		Record Select (DDS onl	4O0	4	0	3,492,654:00:0	
45	96	175	19:08:59.800	20OA6A	6HICON				4O0	4	0	3,492,664:51:0	
46	96	175	19:13:59.800	432OA6A	6RTSL1			R/T Select of DDS and	4O0	4	0	3,492,669:46:0	
47	96	175	19:34:41.800	165CB4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,492,689:89:0	
48	96	175	19:34:42.466	165CB4B	7SCAN	NORM,209.592999,		Check S/P Position	4O0	4	0	3,492,689:90:0	
49	96	175	19:52:35.800	488AA6B	6TMSED	NORM,DL3		Sci, Eng, and D/L Chan	4O0	4	0	3,492,707:62:0	
50	96	175	20:14:33.133	488AA6C	6TMSED	FILL,DL3		Sci, Eng, and D/L Chan	4O0	4	0	3,492,729:36:0	
51	96	175	20:24:35.800	488AA6D	6TMSED	FILL,DL2		Sci, Eng, and D/L Chan	4O0	4	0	3,492,739:30:0	
52	96	175	20:54:34.466	165CC4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,492,768:89:0	
53	96	175	20:54:35.133	165CC4B	7SCAN	NORM,210.553999,		Check S/P Position	4O0	4	0	3,492,768:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	96	175	20:56:35.800	488AA6E	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	4O0	4	0	3,492,770	89:0
55	96	175	21:11:42.466	488AB6A	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	4O0	4	0	3,492,785	84:0
56	96	175	21:30:43.800	488AB6B	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	4O0	4	0	3,492,804	67:0
57	96	175	21:31:38.466	488AB6C	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	4O0	4	0	3,492,805	58:0
58	96	175	21:49:10.466	165CD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,492,822	89:0
59	96	175	21:49:11.133	165CD4B	7SCAN	NORM,211.029999,	Check S/P Position	4O0	4	0	3,492,822	90:0
60	96	175	21:58:56.466	488AB6D	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	4O0	4	0	3,492,832	58:0
61	96	175	23:43:25.800	165AA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,492,935	89:0
62	96	175	23:43:26.466	165AA4B	7SCAN	NORM,205.272999,	Check S/P Position	4O0	4	0	3,492,935	90:0
63	96	176	00:17:48.466	165AB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,492,969	89:0
64	96	176	00:17:49.133	165AB4B	7SCAN	NORM,205.735998,	Check S/P Position	4O0	4	0	3,492,969	90:0
65	96	176	00:19:41.133	175AA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,492,971	76:0
66	96	176	00:19:41.133		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 6024.60 +/-	4O0	4	0	3,492,971	76:0
67	96	176	00:19:41.800	117AA	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	3,492,971	77:0
68	96	176	00:19:50.466	175AA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	3,492,971	90:0
69	96	176	00:19:50.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *6025.88 +/-	4O0	4	0	3,492,971	90:3
70	96	176	00:19:51.133	117AA105A106A4A	7STRP	-0.051947,0.0,0,	Slew =,0.03	4O0	4	0	3,492,972	00:0
71	96	176	00:29:59.800	488AB6E	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	4O0	4	0	3,492,982	03:0
72	96	176	00:49:10.466	117AA11A	**CSMOS**	GE	***** GROUP END CSMOS	4O0	4	0	3,493,001	00:0
73	96	176	00:50:09.800	165AC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,493,001	89:0
74	96	176	00:50:10.466	165AC4B	7SCAN	NORM,205.577999,	Check S/P Position	4O0	4	0	3,493,001	90:0
75	96	176	00:50:21.133	175AA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,493,002	15:0
76	96	176	00:50:21.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5596.86 +/-	4O0	4	0	3,493,002	15:0
77	96	176	00:50:22.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5596.80 +/-	4O0	4	0	3,493,002	17:1
78	96	176	00:51:41.800	432AA6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,493,003	45:0
79	96	176	00:52:03.133	117AB	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	3,493,003	77:0
80	96	176	00:52:12.466	117AB105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4O0	4	0	3,493,004	00:0
81	96	176	01:21:31.800	117AB105A106A4B	7STRP	0.0025,0.0,0,0,0	Slew =12.01	4O0	4	0	3,493,033	00:0
82	96	176	01:22:32.466	117AB105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4O0	4	0	3,493,034	00:0
83	96	176	01:51:51.800	117AB105A106A4D	7STRP	0.0025,0.0,0,0,0	Slew =12.01	4O0	4	0	3,493,063	00:0
84	96	176	01:52:52.466	117AB105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4O0	4	0	3,493,064	00:0
85	96	176	02:22:11.800	117AB11A	**CSMOS**	GE	***** GROUP END CSMOS	4O0	4	0	3,493,093	00:0
86	96	176	02:22:41.133	165AD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,493,093	44:0
87	96	176	02:22:41.800	165AD4B	7SCAN	NORM,200.699999,	Check S/P Position	4O0	4	0	3,493,093	45:0
88	96	176	02:53:31.133	165AE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,493,123	89:0
89	96	176	02:53:31.800	165AE4B	7SCAN	NORM,205.57,-7.9	Check S/P Position	4O0	4	0	3,493,123	90:0
90	**96**	**176**	**03:10:00.000**	**G1NNCHOPON01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
91	96	176	03:10:39.133	125FY	NIMSINIT	GS	##### GROUP START INIT	4O0	4	0	3,493,140	84:0
92	**96**	**176**	**03:10:39.133**	**125FY4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,493,140**	**84:0**
93	**96**	**176**	**03:11:39.800**	**125FY4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**4R0**	**4**	**0**	**3,493,141**	**84:0**
94	96	176	03:12:40.466	125FY11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	3,493,142	84:0
95	**96**	**176**	**03:12:40.466**	**125FY4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,493,142**	**84:0**
96	**96**	**176**	**03:20:00.000**	**G1NNCHOPON01-**		**-----STOP-------**		**4R0**	**4**	**0**	**: :**	
97	96	176	03:23:51.133	165AR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,493,153	89:0
98	96	176	03:23:51.800	165AR4B	7SCAN	NORM,205.064999,	Check S/P Position	4R0	4	0	3,493,153	90:0
99	96	176	03:33:23.800	488AC6A	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	4R0	4	0	3,493,163	38:0
100	96	176	03:33:30.466	488AC6B	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	4R0	4	0	3,493,163	48:0
101	96	176	03:54:11.133	165AS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,493,183	89:0
102	96	176	03:54:11.800	165AS4B	7SCAN	NORM,205.210999,	Check S/P Position	4R0	4	0	3,493,183	90:0
103	96	176	04:20:43.800	488AC6C	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	4R0	4	0	3,493,210	21:0
104	96	176	04:26:32.466	165AH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,493,215	89:0
105	96	176	04:26:33.133	165AH4B	7SCAN	NORM,206.776999,	Check S/P Position	4R0	4	0	3,493,215	90:0
106	96	176	04:28:25.800	117AC	**CSMOS**	GS	***** GROUP START CSMOS	4R0	4	0	3,493,217	77:0
107	96	176	04:28:35.133	117AC105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,218	00:0
108	96	176	04:37:23.800	488AC6D	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	4R0	4	0	3,493,226	65:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	96	176	04:57:54.466	117AC105A106A4B	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,247:00:0	
110	96	176	04:58:55.133	117AC105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,248:00:0	
111	96	176	05:09:23.800	488AC6E	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	4R0	4	0	3,493,258:33:0	
112	96	176	05:21:37.133	488AD6A	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	4R0	4	0	3,493,270:41:0	
113	96	176	05:28:14.466	117AC105A106A4D	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,277:00:0	
114	96	176	05:29:15.133	117AC105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,278:00:0	
115	96	176	05:51:35.800	488AD6B	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	4R0	4	0	3,493,300:09:0	
116	96	176	05:58:34.466	117AC105A106A4F	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,307:00:0	
117	96	176	05:59:35.133	117AC105A106A4G	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,308:00:0	
118	96	176	06:28:54.466	117AC105A106A4H	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,337:00:0	
119	96	176	06:29:55.133	117AC105A106A4I	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,338:00:0	
120	96	176	06:59:14.466	117AC105A106A4J	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,367:00:0	
121	96	176	07:00:15.133	117AC105A106A4K	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,368:00:0	
122	96	176	07:29:34.466	117AC105A106A4L	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,397:00:0	
123	96	176	07:30:35.133	117AC105A106A4M	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,398:00:0	
124	96	176	07:59:54.466	117AC105A106A4N	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,427:00:0	
125	96	176	08:00:55.133	117AC105A106A4O	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,428:00:0	
126	96	176	08:12:51.800	488AD6C	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	4R0	4	0	3,493,439:74:0	
127	96	176	08:30:14.466	117AC105A106A4P	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,457:00:0	
128	96	176	08:31:15.133	117AC105A106A4Q	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,458:00:0	
129	96	176	08:49:07.800	488AD6D	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	4R0	4	0	3,493,475:62:0	
130	96	176	09:00:34.466	117AC105A106A4R	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,487:00:0	
131	96	176	09:01:35.133	117AC105A106A4S	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,488:00:0	
132	96	176	09:30:54.466	117AC105A106A4T	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,517:00:0	
133	96	176	09:31:55.133	117AC105A106A4U	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,518:00:0	
134	96	176	10:01:14.466	117AC105A106A4V	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,547:00:0	
135	96	176	10:02:15.133	117AC105A106A4W	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,548:00:0	
136	96	176	10:31:34.466	117AC105A106A4X	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,577:00:0	
137	96	176	10:32:35.133	117AC105A106A4Y	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,578:00:0	
138	96	176	11:01:54.466	117AC105A106A4Z	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,607:00:0	
139	96	176	11:02:55.133	117AC105A106A4AA	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,608:00:0	
140	96	176	11:32:14.466	117AC105A106A4AB	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,637:00:0	
141	96	176	11:33:15.133	117AC105A106A4AC	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,638:00:0	
142	96	176	12:02:34.466	117AC105A106A4AD	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,667:00:0	
143	96	176	12:03:35.133	117AC105A106A4AE	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,668:00:0	
144	96	176	12:32:54.466	117AC105A106A4AF	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,697:00:0	
145	96	176	12:33:55.133	117AC105A106A4AG	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,698:00:0	
146	96	176	13:03:14.466	117AC105A106A4AH	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,727:00:0	
147	96	176	13:04:15.133	117AC105A106A4AI	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,728:00:0	
148	96	176	13:33:34.466	117AC105A106A4AJ	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,757:00:0	
149	96	176	13:34:35.133	117AC105A106A4AK	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,758:00:0	
150	96	176	14:03:54.466	117AC105A106A4AL	7STRP	0.003,0.0,0,0,0,	Slew =12.01	4R0	4	0	3,493,787:00:0	
151	96	176	14:04:55.133	117AC105A106A4AM	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R0	4	0	3,493,788:00:0	
152	96	176	14:34:14.466	117AC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R0	4	0	3,493,817:00:0	
153	96	176	14:36:22.466	20KA4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4R0	4	0	3,493,819:10:0	
154	96	176	18:14:59.733	488AE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R0	4	0	3,494,035:30:0	
155	96	176	18:19:59.733	41V99A	POWER	PWR MODE change	Change to Maneuver Mode	4R0	4	0	3,494,040:25:0	
156	**96**	**176**	**18:20:03.733**	**41V3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R0**	**4**	**0**	**3,494,040:31:0**	
157	**96**	**176**	**18:20:13.733**	**41V3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4R0**	**4**	**0**	**3,494,040:46:0**	
158	96	176	18:21:59.733	488AE6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R0	4	0	3,494,042:23:0	
159	**96**	**176**	**18:22:23.733**	**41V3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4R0**	**4**	**0**	**3,494,042:59:0**	
160	**96**	**176**	**18:22:33.733**	**41V3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4R0**	**4**	**0**	**3,494,042:74:0**	
161	**96**	**176**	**18:22:43.733**	**41V3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4R0**	**4**	**0**	**3,494,042:89:0**	
162	**96**	**176**	**18:22:53.733**	**41V3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4R0**	**4**	**0**	**3,494,043:13:0**	
163	96	176	18:39:59.733	474AA416A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4R0	4	0	3,494,060:05:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	96	176	18:41:59.733	474AA416A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4R0	4	0	3,494,062:03:0	
165	96	176	18:46:13.733	474AA416A4E	7BURN	,233.195799,54.2	ALERT -- Thruster fire	4R0	4	0	3,494,066:20:0	
166	96	176	19:48:19.733	488AE6C	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4R0	4	0	3,494,127:58:0	
167	96	176	19:52:43.066	474AA416A4K	7BURN	,233.195799,54.2	ALERT -- Thruster fire	4R0	4	0	3,494,131:89:0	
168	96	176	20:03:27.733	488AE6D	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	4R0	4	0	3,494,142:55:0	
169	96	176	20:49:21.733	432B6A	6RTSL1		R/T Select of DDS and	4R0	4	0	3,494,188:00:0	
170	96	176	21:05:45.733	488AE6E	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4R0	4	0	3,494,204:20:0	
171	96	176	21:23:13.066	488AF6A	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	4R0	4	0	3,494,221:44:0	
172	96	176	21:26:27.733	488AF6B	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	4R0	4	0	3,494,224:63:0	
173	96	176	21:58:38.400	488AF6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4R0	4	0	3,494,256:47:0	
174	96	176	22:04:30.400	488AF6D	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	4R0	4	0	3,494,262:29:0	
175	96	176	22:32:35.733	488AF6E	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	4R0	4	0	3,494,290:09:0	
176	96	176	22:39:36.400	488AG6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R0	4	0	3,494,297:03:0	
177	96	176	23:29:59.733	488AG6B	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	4R0	4	0	3,494,346:79:0	
178	96	176	23:29:59.733	41X99A	POWER	PWR MODE change	Change to Data Taking Mode	4R0	4	0	3,494,346:79:0	
179	**96**	**176**	**23:30:03.733**	**41X3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R0**	**4**	**0**	**3,494,346:85:0**	
180	**96**	**176**	**23:30:13.733**	**41X3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4R0**	**4**	**0**	**3,494,347:09:0**	
181	**96**	**176**	**23:30:23.733**	**41X3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4R0**	**4**	**0**	**3,494,347:24:0**	
182	**96**	**176**	**23:30:33.733**	**41X3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4R0**	**4**	**0**	**3,494,347:39:0**	
183	**96**	**176**	**23:30:43.733**	**41X3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4R0**	**4**	**0**	**3,494,347:54:0**	
184	**96**	**176**	**23:30:53.733**	**41X3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4R0**	**4**	**0**	**3,494,347:69:0**	
185	96	176	23:40:13.066	165BD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,494,356:89:0	
186	96	176	23:40:13.733	165BD4B	7SCAN	NORM,204.869999,	Check S/P Position	4R0	4	0	3,494,356:90:0	
187	96	176	23:40:59.066	432ON431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R0	4	0	3,494,357:67:0	
188	96	176	23:40:59.733	432ON6A	6RTSL1		R/T Select of DDS and	4R0	4	0	3,494,357:68:0	
189	96	177	02:29:23.733	488AG6C	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	4R0	4	0	3,494,524:27:0	
190	96	177	03:10:31.733	165BE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,494,564:89:0	
191	96	177	03:10:32.400	165BE4B	7SCAN	NORM,223.969999,	Check S/P Position	4R0	4	0	3,494,564:90:0	
192	96	177	03:30:23.066	488AG6D	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	4R0	4	0	3,494,584:56:0	
193	96	177	03:33:23.733	488AG6E	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	4R0	4	0	3,494,587:54:0	
194	96	177	04:05:23.733	488AH6A	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	4R0	4	0	3,494,619:22:0	
195	96	177	04:29:25.066	411JA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R0	4	0	3,494,643:00:0	
196	96	177	04:29:25.066		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 5596.80 +/-	4R0	4	0	3,494,643:00:0	
197	96	177	04:29:34.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5598.08 +/-	4R0	4	0	3,494,643:14:3	
198	96	177	04:29:35.066	411JA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R0	4	0	3,494,643:15:0	
199	96	177	04:31:36.400	411JA6D	6TMREC	**NRC**	NO RECORD Record Mode Change	4R0	4	0	3,494,645:15:0	
200	96	177	04:31:36.400	411JA6C	6DMSC	RDY,0	DMS Control Tape stop	4R0	4	0	3,494,645:15:0	
201	96	177	04:31:36.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5569.53 +/-	4R0	4	0	3,494,645:15:0	
202	96	177	04:31:37.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5569.47 +/-	4R0	4	0	3,494,645:17:1	
203	96	177	05:23:37.733	488AH6B	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	4R0	4	0	3,494,696:56:0	
204	96	177	07:14:59.733	488AH6C	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	4R0	4	0	3,494,806:69:0	
205	96	177	07:17:14.400	165AI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,494,808:89:0	
206	96	177	07:17:15.066	165AI4B	7SCAN	NORM,239.884998,	Check S/P Position	4R0	4	0	3,494,808:90:0	
207	96	177	07:21:09.066	117AD	**CSMOS**	GS	***** GROUP START CSMOS	4R0	4	0	3,494,812:77:0	
208	96	177	07:21:18.400	117AD105A106A4A	7STRP	-0.016501,0.0,0,	Slew =,0.01	4R0	4	0	3,494,813:00:0	
209	96	177	07:50:37.733	117AD105A106A4B	7STRP	0.023004,0.0,0,0	Slew =12.01	4R0	4	0	3,494,842:00:0	
210	96	177	07:51:38.400	117AD105A106A4C	7STRP	-0.016501,0.0,0,	Slew =,0.01	4R0	4	0	3,494,843:00:0	
211	96	177	08:12:51.733	488AH6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R0	4	0	3,494,863:90:0	
212	96	177	08:20:57.733	117AD11A	**CSMOS**	GE	***** GROUP END CSMOS	4R0	4	0	3,494,872:00:0	
213	96	177	08:21:57.066	165AJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,494,872:89:0	
214	96	177	08:21:57.733	165AJ4B	7SCAN	NORM,238.251999,	Check S/P Position	4R0	4	0	3,494,872:90:0	
215	96	177	08:52:17.066	165BF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,494,902:89:0	
216	96	177	08:52:17.733	165BF4B	7SCAN	NORM,227.542999,	Check S/P Position	4R0	4	0	3,494,902:90:0	
217	96	177	09:01:55.733	488AH6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R0	4	0	3,494,912:47:0	
218	96	177	11:05:39.733	488AI6A	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R0	4	0	3,495,034:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	96	177	12:14:59.733	488AI6B	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	4R0	4	0	3,495,103:42:0	
220	96	177	13:53:35.733	165CE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,495,200:89:0	
221	96	177	13:53:36.400	165CE4B	7SCAN	NORM,230.421,-16	Check S/P Position	4R0	4	0	3,495,200:90:0	
222	96	177	14:19:53.066	165CF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,495,226:89:0	
223	96	177	14:19:53.733	165CF4B	7SCAN	NORM,231.035999,	Check S/P Position	4R0	4	0	3,495,226:90:0	
224	96	177	14:48:11.733	165BG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,495,254:89:0	
225	96	177	14:48:12.400	165BG4B	7SCAN	NORM,209.070999,	Check S/P Position	4R0	4	0	3,495,254:90:0	
226	96	177	16:48:31.066	165CG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,495,373:89:0	
227	96	177	16:48:31.733	165CG4B	7SCAN	NORM,234.476999,	Check S/P Position	4R0	4	0	3,495,373:90:0	
228	96	177	16:53:23.733	488AI6C	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	4R0	4	0	3,495,378:73:0	
229	96	177	17:11:46.400	165CH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,495,396:89:0	
230	96	177	17:11:47.066	165CH4B	7SCAN	NORM,235.029999,	Check S/P Position	4R0	4	0	3,495,396:90:0	
231	96	177	17:29:59.733	488AJ6A	6TMSED	NORM,DL5	Sci, Eng, and D/L Chan	4R0	4	0	3,495,415:00:0	
232	96	177	17:33:00.400	165IA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,495,417:89:0	
233	96	177	17:33:01.066	165IA4B	7SCAN	NORM,231.344,-16	Check S/P Position	4R0	4	0	3,495,417:90:0	
234	96	177	17:36:07.733	118IA	**SMOS**	GS		4R0	4	0	3,495,421:06:0	
235	96	177	17:36:40.400	118IA110A111A4A	7STRP	0.00305,0.0,26,0	Slew =,3.01	4R0	4	0	3,495,421:55:0	
236	96	177	17:36:49.066	118IA110A111A4B	7STRP	-0.00295,0.003,0	Slew =,2.01	4R0	4	0	3,495,421:68:0	
237	96	177	17:36:57.733	118IA110A111A4C	7STRP	0.00305,0.0,26,0	Slew =,3.01	4R0	4	0	3,495,421:81:0	
238	96	177	17:36:59.066	175IA422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R0	4	0	3,495,421:83:0	
239	96	177	17:36:59.066		DMS:	: *US-RUNUP	R115, TRACK 2, REV, TIC 5569.47 +/-	4R0	4	0	3,495,421:83:0	
240	96	177	17:37:06.400	118IA11A	**SMOS**	GE		4R0	4	0	3,495,422:03:0	
241	96	177	17:37:11.066	175IA176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4R0	4	0	3,495,422:10:0	
242	96	177	17:37:11.133		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5564.60 +/-	4R0	4	0	3,495,422:10:1	
243	96	177	17:40:05.066	165BH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,495,424:89:0	
244	96	177	17:40:05.733		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4950.77 +/-	4R0	4	0	3,495,424:90:0	
245	96	177	17:40:05.733	465TB6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	4R0	4	0	3,495,424:90:0	
246	96	177	17:40:05.733	165BH4B	7SCAN	NORM,233.629999,	Check S/P Position	4R0	4	0	3,495,424:90:0	
247	96	177	17:40:07.133		DMS:	: *RUNUP	P7, TRACK *1, *FWD, TIC *4949.86 +/-	4R0	4	0	3,495,425:01:1	
248	96	177	17:40:08.600		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC *4949.98 +/-	4R0	4	0	3,495,425:03:3	
249	96	177	18:10:13.733	465TB6B	6DMSC	RDY,1	DMS Control Tape stop	4R0	4	0	3,495,454:72:0	
250	96	177	18:10:13.733		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *5373.05 +/-	4R0	4	0	3,495,454:72:0	
251	96	177	18:10:15.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5373.11 +/-	4R0	4	0	3,495,454:74:1	
252	96	177	19:18:27.733	488AJ6B	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	4R0	4	0	3,495,522:25:0	
253	96	177	19:58:36.400	165BI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,495,561:89:0	
254	96	177	19:58:37.066	165BI4B	7SCAN	NORM,213.265999,	Check S/P Position	4R0	4	0	3,495,561:90:0	
255	96	177	20:06:18.400	488AJ6C	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	4R0	4	0	3,495,569:54:0	
256	96	177	20:13:55.733	488AJ6D	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	4R0	4	0	3,495,577:12:0	
257	96	177	21:05:47.733	488AJ6E	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	4R0	4	0	3,495,628:39:0	
258	96	177	21:29:59.733	488AK6A	6TMSED	NORM,BL2	Sci, Eng, and D/L Chan	4R0	4	0	3,495,652:33:0	
259	96	177	21:37:07.733	488AK6B	6TMSED	NORM,BL4	Sci, Eng, and D/L Chan	4R0	4	0	3,495,659:38:0	
260	96	178	02:06:39.000	165BJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,495,925:89:0	
261	96	178	02:06:39.666	165BJ4B	7SCAN	NORM,216.789,-12	Check S/P Position	4R0	4	0	3,495,925:90:0	
262	96	178	03:07:47.666	488AK6C	6TMSED	NORM,BL3	Sci, Eng, and D/L Chan	4R0	4	0	3,495,986:41:0	
263	96	178	03:29:44.333	488AK6D	6TMSED	FILL,BL3	Sci, Eng, and D/L Chan	4R0	4	0	3,496,008:14:0	
264	96	178	04:06:48.333	488AL6A	6TMSED	NORM,BL3	Sci, Eng, and D/L Chan	4R0	4	0	3,496,044:74:0	
265	96	178	04:14:03.000	165IC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,496,051:89:0	
266	96	178	04:14:03.666	165IC4B	7SCAN	NORM,227.297998,	Check S/P Position	4R0	4	0	3,496,051:90:0	
267	96	178	04:17:55.666		DMS:	: *US-RUNUP	R115, TRACK *2, *REV, TIC 5373.11 +/-	4R0	4	0	3,496,055:74:0	
268	96	178	04:17:55.666	175IB422A6A	6DMSC	R115,2	DMS Control	4R0	4	0	3,496,055:74:0	
269	96	178	04:17:59.000	118IC	**SMOS**	GS		4R0	4	0	3,496,055:79:0	
270	96	178	04:18:07.666	175IB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R0	4	0	3,496,056:01:0	
271	96	178	04:18:07.733		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5368.24 +/- 1	4R0	4	0	3,496,056:01:1	
272	96	178	04:18:09.000	118IC110A111A4A	7STRP	0.007,0.0,46,0,0	Slew =,3.01	4R0	4	0	3,496,056:03:0	
273	96	178	04:18:39.666	118IC110A111B4A	7STRP	-0.014001,-0.007	Slew =,6.01	4R0	4	0	3,496,056:49:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	96	178	04:18:55.000	118IC110A111B4B	7STRP	0.007,0.0,46,0,0	Slew =,3.01	4R0	4	0	3,496,056:72:0	
275	96	178	04:19:25.666	118IC110A111A4B	7STRP	-0.014001,0.007,	Slew =,6.01	4R0	4	0	3,496,057:27:0	
276	96	178	04:19:41.000	118IC110A111A4C	7STRP	0.007,0.0,46,0,0	Slew =,3.01	4R0	4	0	3,496,057:50:0	
277	96	178	04:20:11.666	118IC110A111B4C	7STRP	-0.014001,-0.007	Slew =,6.01	4R0	4	0	3,496,058:05:0	
278	96	178	04:20:27.000	118IC110A111B4D	7STRP	0.007,0.0,46,0,0	Slew =,3.01	4R0	4	0	3,496,058:28:0	
279	96	178	04:20:57.666	118IC11A	**SMOS**	GE		4R0	4	0	3,496,058:74:0	
280	96	178	04:21:07.666	165BK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,496,058:89:0	
281	96	178	04:21:08.333	165BK4B	7SCAN	NORM,216.789,-12	Check S/P Position	4R0	4	0	3,496,058:90:0	
282	96	178	04:23:09.666		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4306.76 +/- 1	4R0	4	0	3,496,060:90:0	
283	96	178	04:23:09.666	465TC6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	4R0	4	0	3,496,060:90:0	
284	96	178	04:23:11.066		DMS:	: *RUNUP	P7, TRACK *1, *FWD, TIC *4305.84 +/- 1	4R0	4	0	3,496,061:01:1	
285	96	178	04:23:12.533		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC *4305.96 +/- 1	4R0	4	0	3,496,061:03:3	
286	96	178	04:26:43.666	488AL6B	6TMSED	NORM,BL4	Sci, Eng, and D/L Chan	4R0	4	0	3,496,064:47:0	
287	96	178	04:53:17.666	465TC6B	6DMSC	RDY,1	DMS Control Tape stop	4R0	4	0	3,496,090:72:0	
288	96	178	04:53:17.666		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4729.04 +/- 1	4R0	4	0	3,496,090:72:0	
289	96	178	04:53:19.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4729.10 +/- 1	4R0	4	0	3,496,090:74:1	
290	96	178	06:59:52.333	165DA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R0	4	0	3,496,215:89:0	
291	96	178	06:59:53.000	165DA4B	7SCAN	NORM,231.873999,	Check S/P Position	4R0	4	0	3,496,215:90:0	
292	**96**	**178**	**06:59:57.600**	**G1JNJJBARS01-**		**-----START------**		**4R0**	**4**	**0**	**: :**	
293	**96**	**178**	**07:02:51.000**	**125DA4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**3,496,218:84:0**	
294	96	178	07:02:51.000	125DA	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	3,496,218:84:0	
295	96	178	07:02:51.000	125DA11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	3,496,218:84:0	
296	96	178	07:03:43.666		DMS:	: *US-RUNUP	R28, TRACK *2, *REV, TIC 4729.10 +/- 1	2R0	4	0	3,496,219:72:0	
297	96	178	07:03:43.666	175DA422A6A	6DMSC	R28,2	DMS Control	2R0	4	0	3,496,219:72:0	
298	96	178	07:03:46.333	118DA	**SMOS**	GS		2R0	4	0	3,496,219:76:0	
299	**96**	**178**	**07:03:51.666**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,496,219:84:0**	
300	96	178	07:03:51.666	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,496,219:84:0	
301	**96**	**178**	**07:03:52.333**	**127DA4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,496,219:85:0**	
302	96	178	07:03:55.666	175DA176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,496,219:90:0	
303	96	178	07:03:55.733		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *4729.00 +/- 1	2R3	4	0	3,496,219:90:1	
304	96	178	07:03:56.333	118DA110A111A4A	7STRP	0.0,0.0,108,0,0,	Slew =,0.01	2R3	4	0	3,496,220:00:0	
305	96	178	07:04:00.333	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,496,220:06:0	
306	96	178	07:04:18.333	118DA110A111B4A	7STRP	-0.0071,-0.0005,	Slew =,10.0	2R3	4	0	3,496,220:33:0	
307	96	178	07:04:32.333	118DA110A111B4B	7STRP	0.0,0.0,108,0,0,	Slew =,0.01	2R3	4	0	3,496,220:54:0	
308	96	178	07:04:54.333	118DA110A111C4A	7STRP	0.00125,-0.01800	Slew =,10.0	2R3	4	0	3,496,220:87:0	
309	96	178	07:05:08.333	118DA110A111C4B	7STRP	0.0,0.0,108,0,0,	Slew =,0.01	2R3	4	0	3,496,221:17:0	
310	96	178	07:05:30.333	118DA11A	**SMOS**	GE		2R3	4	0	3,496,221:50:0	
311	**96**	**178**	**07:06:01.600**	**G1JNJJBARS01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
312	96	178	07:13:33.666	465TD6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	2R3	4	0	3,496,229:47:0	
313	96	178	07:13:33.666		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *4221.05 +/- 1	2R3	4	0	3,496,229:47:0	
314	96	178	07:13:35.066		DMS:	: *RUNUP	P7, TRACK *1, *FWD, TIC *4220.83 +/- 1	2R3	4	0	3,496,229:49:1	
315	96	178	07:13:36.533		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC *4220.95 +/- 1	2R3	4	0	3,496,229:51:3	
316	96	178	07:14:01.666	165DL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,496,229:89:0	
317	96	178	07:14:02.333	165DL4B	7SCAN	NORM,231.400999,	Check S/P Position	2R3	4	0	3,496,229:90:0	
318	**96**	**178**	**07:14:06.933**	**G1JNRTJBAR01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
319	**96**	**178**	**07:17:00.333**	**125DL4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**3,496,232:84:0**	
320	96	178	07:17:00.333	125DL	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,496,232:84:0	
321	96	178	07:17:00.333	125DL11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,496,232:84:0	
322	**96**	**178**	**07:17:25.000**	**432DL6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,496,233:30:0**	
323	96	178	07:17:55.666	118DL	**SMOS**	GS		2R3	4	0	3,496,233:76:0	
324	96	178	07:18:01.000	127DL	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,496,233:84:0	
325	**96**	**178**	**07:18:01.666**	**127DL4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,496,233:85:0**	
326	96	178	07:18:05.666	118DL110A111A4A	7STRP	0.0,0.0,546,0,0,	Slew =,0.01	2R3	4	0	3,496,234:00:0	
327	96	178	07:18:09.666	127DL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,496,234:06:0	
328	**96**	**178**	**07:18:24.333**	**432DM6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,496,234:28:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	96	178	07:20:02.333	125FX	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,496,235	84:0
330	**96**	**178**	**07:20:02.333**	**125FX4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**3,496,235**	**84:0**
331	96	178	07:20:02.333	125FX11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,496,235	84:0
332	96	178	07:20:15.000	118DL11A	**SMOS**	GE		2R3	4	0	3,496,236	12:0
333	**96**	**178**	**07:21:11.600**	**G1JNRTJBAR01-**		**-----STOP-------**		**2R3**	**4**	**0**	**:**	**:**
334	96	178	07:43:39.000		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4643.40 +/- 1	2R3	4	0	3,496,259	25:0
335	96	178	07:43:39.000	465TD6B	6DMSC	RDY,1	DMS Control Tape stop	2R3	4	0	3,496,259	25:0
336	96	178	07:43:40.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4643.46 +/- 1	2R3	4	0	3,496,259	27:1
337	96	178	07:53:39.666	488AL6C	6TMSED	NORM,BL2	Sci, Eng, and D/L Chan	2R3	4	0	3,496,269	16:0
338	96	178	08:38:27.666	488AL6D	6TMSED	NORM,BL3	Sci, Eng, and D/L Chan	2R3	4	0	3,496,313	44:0
339	96	178	08:40:59.000	165ID4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,496,315	89:0
340	96	178	08:40:59.666	165ID4B	7SCAN	NORM,250.921,-16	Check S/P Position	2R3	4	0	3,496,315	90:0
341	96	178	08:45:07.000		DMS:	: *US-RUNUP	R115, TRACK *2, *REV, TIC 4643.46 +/- 1	2R3	4	0	3,496,320	06:0
342	96	178	08:45:07.000	175IC422A6A	6DMSC	R115,2	DMS Control	2R3	4	0	3,496,320	06:0
343	96	178	08:45:19.000	175IC176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	3,496,320	24:0
344	96	178	08:45:19.066		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4638.59 +/- 1	2R3	4	0	3,496,320	24:1
345	96	178	08:46:05.000	176IA6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	3,496,321	02:0
346	96	178	08:49:04.333	165CS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,496,323	89:0
347	96	178	08:49:05.000	165CS4B	7SCAN	NORM,224.948999,	Check S/P Position	2R3	4	0	3,496,323	90:0
348	96	178	08:49:20.333		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3790.39 +/- 1	2R3	4	0	3,496,324	22:0
349	96	178	08:49:20.333	465TE6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	2R3	4	0	3,496,324	22:0
350	96	178	08:49:21.733		DMS:	: *RUNUP	P7, TRACK *1, *FWD, TIC *3789.47 +/- 1	2R3	4	0	3,496,324	24:1
351	96	178	08:49:23.200		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC *3789.59 +/- 1	2R3	4	0	3,496,324	26:3
352	96	178	09:05:30.333	488AL6E	6TMSED	FILL,BL3	Sci, Eng, and D/L Chan	2R3	4	0	3,496,340	21:0
353	96	178	09:10:27.666	488AM6A	6TMSED	FILL,BL4	Sci, Eng, and D/L Chan	2R3	4	0	3,496,345	12:0
354	96	178	09:19:28.333	465TE6B	6DMSC	RDY,1	DMS Control Tape stop	2R3	4	0	3,496,354	04:0
355	96	178	09:19:28.333		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4212.67 +/- 1	2R3	4	0	3,496,354	04:0
356	96	178	09:19:29.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4212.73 +/- 1	2R3	4	0	3,496,354	06:1
357	96	178	09:36:30.333	488AM6B	6TMSED	NORM,BL4	Sci, Eng, and D/L Chan	2R3	4	0	3,496,370	81:0
358	96	178	12:37:35.000	165FA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,496,549	89:0
359	96	178	12:37:35.666	165FA4B	7SCAN	NORM,160.990999,	Check S/P Position	2R3	4	0	3,496,549	90:0
360	**96**	**178**	**12:37:40.267**	**G1CNGLOBAL01-**		**-----START------**		**2R3**	**4**	**0**	**:**	**:**
361	**96**	**178**	**12:38:32.333**	**125FA4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,496,550**	**84:0**
362	96	178	12:38:32.333	125FA	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,496,550	84:0
363	96	178	12:38:32.333	125FA11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,496,550	84:0
364	96	178	12:39:10.333	176LA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,496,551	50:0
365	96	178	12:39:27.666		DMS:	: *US-RUNUP	R7, TRACK *2, *REV, TIC 4212.73 +/- 1	4R3	4	0	3,496,551	76:0
366	96	178	12:39:27.666	175FA422A6A	6DMSC	R7,2	DMS Control	4R3	4	0	3,496,551	76:0
367	96	178	12:39:28.333	117FA	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,496,551	77:0
368	96	178	12:39:33.000	127FA	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,496,551	84:0
369	**96**	**178**	**12:39:33.666**	**127FA4A**	**37ETB**	**07,C7,02,00,60,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,496,551**	**85:0**
370	96	178	12:39:37.000	175FA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,496,551	90:0
371	96	178	12:39:37.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4214.01 +/- 2	4R3	4	0	3,496,551	90:3
372	96	178	12:39:37.666	117FA105A106A4A	7STRP	0.0024,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,496,552	00:0
373	**96**	**178**	**12:39:37.676**	**G1CNGLOBAL01-**	**NIMPBK**	**301FA**	**CALLISTO GLOBAL COMPOSITION MAP**	**4R3**	**4**	**0**	**:**	**:**
374	96	178	12:39:41.666	127FA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,496,552	06:0
375	**96**	**178**	**12:40:57.676**	**G1CNGLOBAL01-**	**DESELC**	**300FA**	**CALLISTO GLOBAL COMPOSITION MAP**	**4R3**	**4**	**0**	**:**	**:**
376	96	178	12:40:59.666	175FA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,496,553	32:0
377	96	178	12:40:59.666	175FA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,496,553	32:0
378	96	178	12:40:59.666	117FA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,496,553	32:0
379	96	178	12:40:59.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4194.68 +/- 2	4R3	4	0	3,496,553	32:0
380	96	178	12:41:01.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4194.62 +/- 2	4R3	4	0	3,496,553	34:1
381	**96**	**178**	**12:43:44.267**	**G1CNGLOBAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**:**	**:**
382	96	178	13:13:59.000	165IE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,496,585	89:0
383	96	178	13:13:59.666	165IE4B	7SCAN	NORM,238.278999,	Check S/P Position	4R3	4	0	3,496,585	90:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	96	178	13:17:51.666	175ID422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,496,589:74:0	
385	96	178	13:17:51.666		DMS:	: *US-RUNUP	R115, TRACK 2, REV, TIC 4194.62 +/- 2	4R3	4	0	3,496,589:74:0	
386	96	178	13:17:55.000	118IE	**SMOS**	GS		4R3	4	0	3,496,589:79:0	
387	96	178	13:18:03.666	175ID176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,496,590:01:0	
388	96	178	13:18:03.733		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4189.74 +/- 2	4R3	4	0	3,496,590:01:1	
389	96	178	13:18:05.000	118IE110A111A4A	7STRP	0.007,0.0,46,0,0	Slew =,3.01	4R3	4	0	3,496,590:03:0	
390	96	178	13:18:35.666	118IE110A111B4A	7STRP	-0.014001,-0.007	Slew =0,5.0	4R3	4	0	3,496,590:49:0	
391	96	178	13:18:51.000	118IE110A111B4B	7STRP	0.007,0.0,46,0,0	Slew =,3.01	4R3	4	0	3,496,590:72:0	
392	96	178	13:19:21.666	118IE110A111A4B	7STRP	-0.014001,0.007,	Slew =0,5.0	4R3	4	0	3,496,591:27:0	
393	96	178	13:19:37.000	118IE110A111A4C	7STRP	0.007,0.0,46,0,0	Slew =,3.01	4R3	4	0	3,496,591:50:0	
394	96	178	13:20:07.666	118IE110A111B4C	7STRP	-0.014001,-0.007	Slew =0,5.0	4R3	4	0	3,496,592:05:0	
395	96	178	13:20:23.000	118IE110A111B4D	7STRP	0.007,0.0,46,0,0	Slew =,3.01	4R3	4	0	3,496,592:28:0	
396	96	178	13:20:53.666	118IE110A111A4D	7STRP	-0.014001,0.007,	Slew =0,5.0	4R3	4	0	3,496,592:74:0	
397	96	178	13:21:09.000	118IE110A111A4E	7STRP	0.007,0.0,46,0,0	Slew =,3.01	4R3	4	0	3,496,593:06:0	
398	96	178	13:21:39.666	118IE110A111B4E	7STRP	-0.014001,-0.007	Slew =0,5.0	4R3	4	0	3,496,593:52:0	
399	96	178	13:21:55.000	118IE110A111B4F	7STRP	0.007,0.0,46,0,0	Slew =,3.01	4R3	4	0	3,496,593:75:0	
400	96	178	13:22:25.666	118IE110A111A4F	7STRP	-0.014001,0.007,	Slew =0,5.0	4R3	4	0	3,496,594:30:0	
401	96	178	13:22:41.000	118IE110A111A4G	7STRP	0.007,0.0,46,0,0	Slew =,3.01	4R3	4	0	3,496,594:53:0	
402	96	178	13:23:11.666	118IE110A111B4G	7STRP	-0.014001,-0.007	Slew =0,5.0	4R3	4	0	3,496,595:08:0	
403	96	178	13:23:27.000	118IE110A111B4H	7STRP	0.007,0.0,46,0,0	Slew =,3.01	4R3	4	0	3,496,595:31:0	
404	96	178	13:23:57.666	118IE11A	**SMOS**	GE		4R3	4	0	3,496,595:77:0	
405	96	178	13:24:05.666	165AK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,496,595:89:0	
406	96	178	13:24:06.333	165AK4B	7SCAN	NORM,238.23,-19.	Check S/P Position	4R3	4	0	3,496,595:90:0	
407	96	178	13:25:59.000	117AE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,496,597:77:0	
408	96	178	13:26:07.666		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *2488.42 +/- 2	4R3	4	0	3,496,597:90:0	
409	96	178	13:26:07.666	465TF6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	4R3	4	0	3,496,597:90:0	
410	96	178	13:26:08.333	117AE105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,496,598:00:0	
411	96	178	13:26:09.066		DMS:	: *RUNUP	P7, TRACK *1, *FWD, TIC *2487.50 +/- 2	4R3	4	0	3,496,598:01:1	
412	96	178	13:26:10.533		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC *2487.62 +/- 2	4R3	4	0	3,496,598:03:3	
413	96	178	13:27:39.000	117AE105A106A4B	7STRP	0.0077,0.0,0,0,0	Slew =12.01	4R3	4	0	3,496,599:45:0	
414	96	178	13:28:09.666	117AE105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,496,600:00:0	
415	96	178	13:29:40.333	117AE105A106A4D	7STRP	0.0077,0.0,0,0,0	Slew =12.01	4R3	4	0	3,496,601:45:0	
416	96	178	13:30:11.000	117AE105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,496,602:00:0	
417	96	178	13:31:41.666	117AE105A106B4A	7STRP	-0.016001,-0.007	Slew =12.01	4R3	4	0	3,496,603:45:0	
418	96	178	13:32:12.333	117AE105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,496,604:00:0	
419	96	178	13:33:43.000	117AE105A106C4A	7STRP	0.0077,0.0,0,0,0	Slew =12.01	4R3	4	0	3,496,605:45:0	
420	96	178	13:34:13.666	117AE105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,496,606:00:0	
421	96	178	13:35:44.333	117AE105A106C4C	7STRP	0.0077,0.0,0,0,0	Slew =12.01	4R3	4	0	3,496,607:45:0	
422	96	178	13:36:15.000	117AE105A106C4D	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	4R3	4	0	3,496,608:00:0	
423	96	178	13:37:45.666	117AE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,496,609:45:0	
424	96	178	13:38:15.000	165AL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,496,609:89:0	
425	96	178	13:38:15.666	165AL4B	7SCAN	NORM,237.615,-20	Check S/P Position	4R3	4	0	3,496,609:90:0	
426	96	178	13:40:08.333	117AF	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,496,611:77:0	
427	96	178	13:40:17.666	117AF105A106A4A	7STRP	0.020003,0.0,0,0	Slew =,0.02	4R3	4	0	3,496,612:00:0	
428	96	178	13:56:15.666		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2910.70 +/- 2	4R3	4	0	3,496,627:72:0	
429	96	178	13:56:15.666	465TF6B	6DMSC	RDY,1	DMS Control Tape stop	4R3	4	0	3,496,627:72:0	
430	96	178	13:56:17.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2910.76 +/- 2	4R3	4	0	3,496,627:74:1	
431	96	178	13:57:29.000	117AF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,496,629:00:0	
432	96	178	14:11:37.000	165DE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,496,642:89:0	
433	96	178	14:11:37.666	165DE4B	7SCAN	NORM,239.411999,	Check S/P Position	4R3	4	0	3,496,642:90:0	
434	**96**	**178**	**14:11:42.266**	**G1JNGRS04102-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
435	**96**	**178**	**14:12:34.333**	**125DE4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,496,643:84:0**	
436	96	178	14:12:34.333	125DE11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,496,643:84:0	
437	96	178	14:12:34.333	125DE	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,496,643:84:0	
438	96	178	14:13:29.666		DMS:	: *US-RUNUP	R7, TRACK *2, *REV, TIC 2910.76 +/- 2	2R3	4	0	3,496,644:76:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	96	178	14:13:29.666	175DE422A6A	6DMSC	R7,2	DMS Control	2R3	4	0	3,496,644:76:0	
440	96	178	14:13:30.333	117DE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,496,644:77:0	
441	**96**	**178**	**14:13:35.000**	**127DE4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,496,644:84:0**	
442	96	178	14:13:35.000	127DE	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,496,644:84:0	
443	**96**	**178**	**14:13:35.666**	**127DE4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,496,644:85:0**	
444	96	178	14:13:39.000	175DE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,496,644:90:0	
445	96	178	14:13:39.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2912.04 +/- 2	2R5	4	1	3,496,644:90:3	
446	96	178	14:13:39.666	117DE105A106A4A	7STRP	-0.036016,0.0,0,	Slew =,0.12	2R5	4	1	3,496,645:00:0	
447	**96**	**178**	**14:13:39.673**	**G1JNGRS04102-**	**NIMPBK**	**301DE**	**GRS 41 PHASE #2**	**2R5**	**4**	**1**	**: :**	
448	96	178	14:13:43.666	127DE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,496,645:06:0	
449	96	178	14:18:59.666	117DE105A106A4B	7STRP	0.036016,-0.008,	Slew =12.01	2R5	4	1	3,496,650:25:0	
450	96	178	14:19:09.666	117DE105A106A4C	7STRP	-0.036016,0.0,0,	Slew =,0.12	2R5	4	1	3,496,650:40:0	
451	**96**	**178**	**14:24:27.672**	**G1JNGRS04102-**	**DESELC**	**300DE**	**GRS 41 PHASE #2**	**2R5**	**4**	**1**	**: :**	
452	96	178	14:24:29.666	117DE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,496,655:65:0	
453	96	178	14:24:29.666	175DE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,496,655:65:0	
454	96	178	14:24:29.666	175DE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,496,655:65:0	
455	96	178	14:24:29.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2759.58 +/- 2	2R5	4	1	3,496,655:65:0	
456	96	178	14:24:31.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2759.52 +/- 2	2R5	4	1	3,496,655:67:1	
457	96	178	14:24:45.666	165IH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,496,655:89:0	
458	96	178	14:24:46.333	165IH4B	7SCAN	NORM,237.856998,	Check S/P Position	2R5	4	1	3,496,655:90:0	
459	**96**	**178**	**14:24:50.933**	**G1JNGRS04102-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
460	96	178	14:28:38.333	175IE422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,496,659:74:0	
461	96	178	14:28:38.333		DMS:	: *US-RUNUP	R115, TRACK 2, REV, TIC 2759.52 +/- 2	2R5	4	1	3,496,659:74:0	
462	96	178	14:28:41.666	118IH	**SMOS**	GS		2R5	4	1	3,496,659:79:0	
463	96	178	14:28:50.333	175IE176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,496,660:01:0	
464	96	178	14:28:50.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *2754.65 +/- 2	2R5	4	1	3,496,660:01:1	
465	96	178	14:28:51.666	118IH110A111A4A	7STRP	0.007,0.0,46,0,0	Slew =,3.01	2R5	4	1	3,496,660:03:0	
466	96	178	14:29:22.333	118IH110A111B4A	7STRP	-0.014001,-0.007	Slew =0,5.0	2R5	4	1	3,496,660:49:0	
467	96	178	14:29:37.666	118IH110A111B4B	7STRP	0.007,0.0,46,0,0	Slew =,3.01	2R5	4	1	3,496,660:72:0	
468	96	178	14:30:08.333	118IH110A111A4B	7STRP	-0.013501,0.007,	Slew =0,5.0	2R5	4	1	3,496,661:27:0	
469	96	178	14:30:23.666	118IH110A111A4C	7STRP	0.007,0.0,46,0,0	Slew =,3.01	2R5	4	1	3,496,661:50:0	
470	96	178	14:30:54.333	118IH110A111B4C	7STRP	-0.014001,-0.007	Slew =0,5.0	2R5	4	1	3,496,662:05:0	
471	96	178	14:31:09.666	118IH110A111B4D	7STRP	0.007,0.0,46,0,0	Slew =,3.01	2R5	4	1	3,496,662:28:0	
472	96	178	14:31:40.333	118IH110A111A4D	7STRP	-0.013501,0.007,	Slew =0,5.0	2R5	4	1	3,496,662:74:0	
473	96	178	14:31:55.666	118IH110A111A4E	7STRP	0.007,0.0,46,0,0	Slew =,3.01	2R5	4	1	3,496,663:06:0	
474	96	178	14:32:26.333	118IH110A111B4E	7STRP	-0.014001,-0.007	Slew =0,5.0	2R5	4	1	3,496,663:52:0	
475	96	178	14:32:41.666	118IH110A111B4F	7STRP	0.007,0.0,46,0,0	Slew =,3.01	2R5	4	1	3,496,663:75:0	
476	96	178	14:33:12.333	118IH110A111A4F	7STRP	-0.013501,0.007,	Slew =0,5.0	2R5	4	1	3,496,664:30:0	
477	96	178	14:33:27.666	118IH110A111A4G	7STRP	0.007,0.0,46,0,0	Slew =,3.01	2R5	4	1	3,496,664:53:0	
478	96	178	14:33:58.333	118IH110A111B4G	7STRP	-0.014001,-0.007	Slew =0,5.0	2R5	4	1	3,496,665:08:0	
479	96	178	14:34:13.666	118IH110A111B4H	7STRP	0.007,0.0,46,0,0	Slew =,3.01	2R5	4	1	3,496,665:31:0	
480	96	178	14:34:44.333	118IH11A	**SMOS**	GE		2R5	4	1	3,496,665:77:0	
481	96	178	14:34:52.333	165AM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,496,665:89:0	
482	96	178	14:34:53.000	165AM4B	7SCAN	NORM,237.859999,	Check S/P Position	2R5	4	1	3,496,665:90:0	
483	96	178	14:36:45.666	117AG	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,496,667:77:0	
484	96	178	14:36:54.333	465TG6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	2R5	4	1	3,496,667:90:0	
485	96	178	14:36:54.333		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *1053.32 +/- 2	2R5	4	1	3,496,667:90:0	
486	96	178	14:36:55.000	117AG105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,496,668:00:0	
487	96	178	14:36:55.733		DMS:	: *RUNUP	P7, TRACK *1, *FWD, TIC *1052.41 +/- 3	2R5	4	1	3,496,668:01:1	
488	96	178	14:36:57.200		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC *1052.53 +/- 3	2R5	4	1	3,496,668:03:3	
489	96	178	14:38:25.666	117AG105A106A4B	7STRP	0.0067,0.0,0,0,0	Slew =12.01	2R5	4	1	3,496,669:45:0	
490	96	178	14:38:56.333	117AG105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,496,670:00:0	
491	96	178	14:40:27.000	117AG105A106A4D	7STRP	0.0067,0.0,0,0,0	Slew =12.01	2R5	4	1	3,496,671:45:0	
492	96	178	14:40:57.666	117AG105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,496,672:00:0	
493	96	178	14:42:28.333	117AG105A106B4A	7STRP	-0.013501,-0.007	Slew =12.01	2R5	4	1	3,496,673:45:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	96	178	14:42:59.000	117AG105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,496,674	00:0
495	96	178	14:44:29.666	117AG105A106C4A	7STRP	0.0067,0.0,0,0,0	Slew =12.01	2R5	4	1	3,496,675	45:0
496	96	178	14:45:00.333	117AG105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,496,676	00:0
497	96	178	14:46:31.000	117AG105A106C4C	7STRP	0.0067,0.0,0,0,0	Slew =12.01	2R5	4	1	3,496,677	45:0
498	96	178	14:47:01.666	117AG105A106C4D	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,496,678	00:0
499	96	178	14:48:32.333	117AG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,496,679	45:0
500	96	178	14:49:01.666	165AN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,496,679	89:0
501	96	178	14:49:02.333	165AN4B	7SCAN	NORM,237.810999,	Check S/P Position	2R5	4	1	3,496,679	90:0
502	96	178	14:50:55.000	117AH	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,496,681	77:0
503	96	178	14:51:04.333	117AH105A106A4A	7STRP	0.020003,0.0,0,0	Slew =,0.02	2R5	4	1	3,496,682	00:0
504	96	178	15:07:02.333	465TG6B	6DMSC	RDY,1	DMS Control Tape stop	2R5	4	1	3,496,697	72:0
505	96	178	15:07:02.333		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *1475.61 +/- 3	2R5	4	1	3,496,697	72:0
506	96	178	15:07:03.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1475.67 +/- 3	2R5	4	1	3,496,697	74:1
507	96	178	15:08:15.666	117AH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,496,699	00:0
508	96	178	15:13:17.666	165DG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,496,703	89:0
509	96	178	15:13:18.333	165DG4B	7SCAN	NORM,238.851,-20	Check S/P Position	2R5	4	1	3,496,703	90:0
510	**96**	**178**	**15:13:22.933**	**G1JNGRS04103-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
511	96	178	15:15:10.333		DMS:	: *US-RUNUP	R7, TRACK *2, *REV, TIC 1475.67 +/- 3	2R5	4	1	3,496,705	76:0
512	96	178	15:15:10.333	175DG422A6A	6DMSC	R7,2	DMS Control	2R5	4	1	3,496,705	76:0
513	96	178	15:15:11.000	117DG	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,496,705	77:0
514	96	178	15:15:15.666	127DG	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,496,705	84:0
515	**96**	**178**	**15:15:16.333**	**127DG4A**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,496,705**	**85:0**
516	96	178	15:15:19.666	175DG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,496,705	90:0
517	96	178	15:15:19.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1476.94 +/- 3	2R5	4	1	3,496,705	90:3
518	96	178	15:15:20.333	117DG105A106A4A	7STRP	-0.018002,0.0,0,	Slew =,0.11	2R5	4	1	3,496,706	00:0
519	**96**	**178**	**15:15:20.338**	**G1JNGRS04103-**	**NIMPBK**	**301DG**	**GRS 41 PHASE #3**	**2R5**	**4**	**1**	**: :**	
520	96	178	15:15:24.333	127DG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,496,706	06:0
521	96	178	15:18:12.333	117DG105A106A4B	7STRP	0.019002,-0.008,	Slew =12.01	2R5	4	1	3,496,708	76:0
522	96	178	15:18:22.333	117DG105A106A4C	7STRP	-0.018002,0.0,0,	Slew =,0.11	2R5	4	1	3,496,709	00:0
523	**96**	**178**	**15:21:12.337**	**G1JNGRS04103-**	**DESELC**	**300DG**	**GRS 41 PHASE #3**	**2R5**	**4**	**1**	**: :**	
524	96	178	15:21:14.333	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,496,711	76:0
525	96	178	15:21:14.333	117DG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,496,711	76:0
526	96	178	15:21:14.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1393.86 +/- 3	2R5	4	1	3,496,711	76:0
527	96	178	15:21:14.333	175DG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,496,711	76:0
528	96	178	15:21:15.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1393.80 +/- 3	2R5	4	1	3,496,711	78:1
529	**96**	**178**	**15:21:24.933**	**G1JNGRS04103-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
530	96	178	15:27:27.000	165AO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,496,717	89:0
531	96	178	15:27:27.666	165AO4B	7SCAN	NORM,238.375,-20	Check S/P Position	2R5	4	1	3,496,717	90:0
532	96	178	15:29:20.333	117AI	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,496,719	77:0
533	96	178	15:29:29.666	117AI105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,496,720	00:0
534	96	178	15:31:00.333	117AI105A106A4B	7STRP	0.009,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,496,721	45:0
535	96	178	15:31:31.000	117AI105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,496,722	00:0
536	96	178	15:33:01.666	117AI105A106B4A	7STRP	-0.007,-0.0074,0	Slew =12.01	2R5	4	1	3,496,723	45:0
537	96	178	15:33:32.333	117AI105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,496,724	00:0
538	96	178	15:35:03.000	117AI105A106C4A	7STRP	0.009,0.0,0,0,0,	Slew =12.01	2R5	4	1	3,496,725	45:0
539	96	178	15:35:33.666	117AI105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.01	2R5	4	1	3,496,726	00:0
540	96	178	15:37:04.333	117AI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,496,727	45:0
541	96	178	15:38:34.333	165AP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,496,728	89:0
542	96	178	15:38:35.000	165AP4B	7SCAN	NORM,238.483999,	Check S/P Position	2R5	4	1	3,496,728	90:0
543	96	178	15:45:39.000	165IF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,496,735	89:0
544	96	178	15:45:39.666	165IF4B	7SCAN	NORM,224.439999,	Check S/P Position	2R5	4	1	3,496,735	90:0
545	96	178	15:48:46.333	118IF	**SMOS**	GS		2R5	4	1	3,496,739	06:0
546	96	178	15:49:19.000	118IF110A111A4A	7STRP	0.0034,0.0,26,0,	Slew =,2.01	2R5	4	1	3,496,739	55:0
547	96	178	15:49:27.666	118IF110A111A4B	7STRP	-0.0034,0.0036,0	Slew =,2.01	2R5	4	1	3,496,739	68:0
548	96	178	15:49:36.333	118IF110A111A4C	7STRP	0.0034,0.0,26,0,	Slew =,2.01	2R5	4	1	3,496,739	81:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	96	178	15:49:37.666		DMS:	: *US-RUNUP	R115, TRACK 2, REV, TIC 1393.80 +/- 3	2R5	4	1	3,496,739:83:0	
550	96	178	15:49:37.666	175IF422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	3,496,739:83:0	
551	96	178	15:49:45.000	118IF11A	**SMOS**	GE		2R5	4	1	3,496,740:03:0	
552	96	178	15:49:49.666	175IF176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,496,740:10:0	
553	96	178	15:49:49.733		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *1388.93 +/- 3	2R5	4	1	3,496,740:10:1	
554	96	178	15:49:55.666	165IJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,496,740:19:0	
555	96	178	15:49:56.333	165IJ4B	7SCAN	NORM,238.591,-20	Check S/P Position	2R5	4	1	3,496,740:20:0	
556	96	178	15:50:35.666	118IJ	**SMOS**	GS		2R5	4	1	3,496,740:79:0	
557	96	178	15:50:45.000	176IB6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	3,496,741:02:0	
558	96	178	15:50:45.666	118IJ110A111A4A	7STRP	0.0025,-0.007,46	Slew =,3.01	2R5	4	1	3,496,741:03:0	
559	96	178	15:51:01.000	118IJ110A111A4B	7STRP	-0.0025,0.007,0,	Slew =,3.01	2R5	4	1	3,496,741:26:0	
560	96	178	15:51:16.333	118IJ110A111A4C	7STRP	0.0025,-0.007,46	Slew =,3.01	2R5	4	1	3,496,741:49:0	
561	96	178	15:51:31.666	118IJ110A111A4D	7STRP	-0.0025,0.007,0,	Slew =,3.01	2R5	4	1	3,496,741:72:0	
562	96	178	15:51:47.000	118IJ110A111A4E	7STRP	0.0025,-0.007,46	Slew =,3.01	2R5	4	1	3,496,742:04:0	
563	96	178	15:52:02.333	118IJ110A111B4A	7STRP	0.0045,0.007,0,0	Slew =,3.01	2R5	4	1	3,496,742:27:0	
564	96	178	15:52:17.666	118IJ110A111B4B	7STRP	0.0025,-0.007,46	Slew =,3.01	2R5	4	1	3,496,742:50:0	
565	96	178	15:52:33.000	118IJ110A111C4A	7STRP	-0.009,0.007,0,0	Slew =,3.01	2R5	4	1	3,496,742:73:0	
566	96	178	15:52:48.333	118IJ110A111C4B	7STRP	0.0025,-0.007,46	Slew =,3.01	2R5	4	1	3,496,743:05:0	
567	96	178	15:53:03.666	118IJ11A	**SMOS**	GE		2R5	4	1	3,496,743:28:0	
568	96	178	15:53:15.666		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC * 664.95 +/- 3	2R5	4	1	3,496,743:46:0	
569	96	178	15:53:15.666	175IF6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	2R5	4	1	3,496,743:46:0	
570	96	178	15:53:17.066		DMS:	: *RUNUP	P7, TRACK *1, *FWD, TIC * 664.03 +/- 3	2R5	4	1	3,496,743:48:1	
571	96	178	15:53:18.533		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC * 664.15 +/- 3	2R5	4	1	3,496,743:50:3	
572	96	178	16:23:15.666		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *1085.35 +/- 3	2R5	4	1	3,496,773:16:0	
573	96	178	16:23:15.666	175IF6B	6DMSC	RDY,2	DMS Control Tape stop	2R5	4	1	3,496,773:16:0	
574	96	178	16:23:17.066		DMS:	: *READY	RDY, TRACK *2, *REV, TIC *1085.41 +/- 3	2R5	4	1	3,496,773:18:1	
575	96	178	16:27:11.000		DMS:	: *US-RUNUP	P7, TRACK 2, REV, TIC 1085.41 +/- 3	2R5	4	1	3,496,777:05:0	
576	96	178	16:27:11.000	465TH6A	6DMSC	P7,2	DMS Control Tape P/B 7.68kbps	2R5	4	1	3,496,777:05:0	
577	96	178	16:27:20.533		DMS:	: *P_SLEW	P7, TRACK 2, REV, TIC *1086.69 +/- 3	2R5	4	1	3,496,777:19:3	
578	96	178	16:57:25.000	465TH6B	6DMSC	RDY,2	DMS Control Tape stop	2R5	4	1	3,496,806:87:0	
579	96	178	16:57:25.000		DMS:	**: *RUNDOWN**	P7, TRACK 2, REV, TIC * 663.77 +/- 3	2R5	4	1	3,496,806:87:0	
580	96	178	16:57:26.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 663.71 +/- 3	2R5	4	1	3,496,806:89:1	
581	96	178	17:00:00.333	488AN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R5	4	1	3,496,809:47:0	
582	96	178	17:16:39.000	165BN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,496,825:89:0	
583	96	178	17:16:39.666	165BN4B	7SCAN	NORM,229.091999,	Check S/P Position	2R5	4	1	3,496,825:90:0	
584	96	178	18:37:55.666	488AN6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R5	4	1	3,496,906:33:0	
585	96	178	19:28:53.666	488AN6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R5	4	1	3,496,956:70:0	
586	96	178	19:37:39.666	488AN6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R5	4	1	3,496,965:40:0	
587	96	178	21:18:23.666	411AA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,497,065:06:0	
588	96	178	21:18:23.666		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 663.71 +/- 3	2R5	4	1	3,497,065:06:0	
589	96	178	21:18:33.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 664.98 +/- 4	2R5	4	1	3,497,065:20:3	
590	96	178	21:18:33.666	411AA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R5	4	1	3,497,065:21:0	
591	96	178	21:20:35.000	411AA6D	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,497,067:21:0	
592	96	178	21:20:35.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 636.44 +/- 4	2R5	4	1	3,497,067:21:0	
593	96	178	21:20:35.000	411AA6C	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,497,067:21:0	
594	96	178	21:20:36.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 636.38 +/- 4	2R5	4	1	3,497,067:23:1	
595	**96**	**178**	**21:23:26.933**	**G1GNGLOBAL01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
596	96	178	21:25:23.000	165DI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,497,071:89:0	
597	96	178	21:25:23.666	165DI4B	7SCAN	NORM,251.997,-14	Check S/P Position	2R5	4	1	3,497,071:90:0	
598	**96**	**178**	**21:27:21.000**	**125DI4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R5**	**4**	**1**	**3,497,073:84:0**	
599	96	178	21:27:21.000	125DI	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,497,073:84:0	
600	96	178	21:27:21.000	125DI11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	3,497,073:84:0	
601	96	178	21:28:16.333	175DI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,497,074:76:0	
602	96	178	21:28:16.333		DMS:	: *US-RUNUP	R7, TRACK 2, REV, TIC 636.38 +/- 4	2R5	4	1	3,497,074:76:0	
603	96	178	21:28:17.000	117DI	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,497,074:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	96	178	21:28:21.666	127DI	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,497,074:84:0	
605	**96**	**178**	**21:28:21.666**	**127DI4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,497,074:84:0**	
606	**96**	**178**	**21:28:22.333**	**127DI4B**	**37ETB**	**07,C7,02,18,00,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,497,074:85:0**	
607	96	178	21:28:25.666	175DI176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,497,074:90:0	
608	96	178	21:28:25.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 637.65 +/- 4	2R3	4	0	3,497,074:90:3	
609	**96**	**178**	**21:28:26.323**	**G1GNGLOBAL01-**	**NIMPBK**	**301DI**	**GANYMEDE GLOBAL SURFACE MAP**	**2R3**	**4**	**0**	**: :**	
610	96	178	21:28:26.333	117DI105A106A4A	7STRP	0.022604,0.0,0,0	Slew =,0.03	2R3	4	0	3,497,075:00:0	
611	96	178	21:28:30.333	127DI11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,497,075:06:0	
612	96	178	21:32:49.000	488AN6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	3,497,079:30:0	
613	96	178	21:41:01.666	117DI105A106A4B	7STRP	-0.022704,-0.007	Slew =,7.01	2R3	4	0	3,497,087:41:0	
614	96	178	21:41:09.000	117DI105A106A4C	7STRP	0.022604,0.0,0,0	Slew =,0.03	2R3	4	0	3,497,087:52:0	
615	96	178	21:53:12.333	488AO6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	3,497,099:45:0	
616	**96**	**178**	**21:53:44.322**	**G1GNGLOBAL01-**	**DESELC**	**300DI**	**GANYMEDE GLOBAL SURFACE MAP**	**2R3**	**4**	**0**	**: :**	
617	96	178	21:53:44.333	175DI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,497,100:02:0	
618	96	178	21:53:44.333	175DI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,497,100:02:0	
619	96	178	21:53:44.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 281.76 +/- 4	2R3	4	0	3,497,100:02:0	
620	96	178	21:53:44.333	117DI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,497,100:02:0	
621	**96**	**178**	**21:53:45.600**	**G1GNGLOBAL01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
622	96	178	21:53:45.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 281.70 +/- 4	2R3	4	0	3,497,100:04:1	
623	96	178	21:59:40.333	465KA6A	6DTRN	CMD,6DTRN,465KA6	DMS TRACK TURNAROUND	2R3	4	0	3,497,105:81:0	
624	96	178	21:59:40.333		DMS:	: *DMS-TURN	P7, TRACK 2, REV, TIC 281.70 +/- 4	2R3	4	0	3,497,105:81:0	
625	96	178	22:06:26.533		DMS:	: *REVERSE	P7, TRACK 2, REV, TIC * 190.00 +/- 4	2R3	4	0	3,497,112:53:3	
626	96	178	22:06:27.933		DMS:	: *TURNARND	P7, TRACK *3, *FWD, TIC * 189.94 +/- 4	2R3	4	0	3,497,112:55:4	
627	96	178	22:07:17.133		DMS:	: *AUTOSTOP	P7, TRACK 3, FWD, TIC * 201.25 +/-	2R3	4	0	3,497,113:38:2	
628	96	178	22:07:18.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 201.31 +/-	2R3	4	0	3,497,113:40:3	
629	**96**	**178**	**22:12:59.600**	**G1GNGLOBAL02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
630	96	178	22:14:52.333	165KA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,497,120:84:0	
631	96	178	22:14:53.000	165KA4B	7SCAN	NORM,251.672998,	Check S/P Position	2R3	4	0	3,497,120:85:0	
632	96	178	22:15:01.000	117KA	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,497,121:06:0	
633	96	178	22:15:37.666		DMS:	: *US-RUNUP	R28, TRACK 3, FWD, TIC 201.31 +/-	2R3	4	0	3,497,121:61:0	
634	96	178	22:15:37.666	175KM422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,497,121:61:0	
635	96	178	22:15:49.666	175KM176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,497,121:79:0	
636	96	178	22:15:49.733		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC * 204.21 +/-	2R3	4	0	3,497,121:79:1	
637	96	178	22:15:51.000		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC * 205.32 +/-	2R3	4	0	3,497,121:81:0	
638	96	178	22:15:51.000	175KA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,497,121:81:0	
639	96	178	22:15:52.400		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC * 205.54 +/-	2R3	4	0	3,497,121:83:1	
640	96	178	22:15:53.666	175KA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,497,121:85:0	
641	96	178	22:15:53.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 205.66 +/-	2R3	4	0	3,497,121:85:3	
642	96	178	22:15:54.333	117KA105A106A4A	7STRP	0.023004,0.0,0,0	Slew =,0.03	2R3	4	0	3,497,121:86:0	
643	**96**	**178**	**22:16:30.321**	**G1GNGLOBAL02-**	**NIMPBK**	**301LA**	**GANYMEDE GLOBAL SURFACE MAP**	**2R3**	**4**	**0**	**: :**	
644	**96**	**178**	**22:28:42.987**	**G1GNGLOBAL02-**	**DESELC**	**300LA**	**GANYMEDE GLOBAL SURFACE MAP**	**2R3**	**4**	**0**	**: :**	
645	96	178	22:28:43.000	175KA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,497,134:56:0	
646	96	178	22:28:43.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 385.93 +/-	2R3	4	0	3,497,134:56:0	
647	96	178	22:28:43.000	175KA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,497,134:56:0	
648	96	178	22:28:43.000	117KA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,497,134:56:0	
649	96	178	22:28:44.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 385.99 +/-	2R3	4	0	3,497,134:58:1	
650	**96**	**178**	**22:28:46.933**	**G1GNGLOBAL02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
651	96	178	22:38:59.666	488AO6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	3,497,144:71:0	
652	96	178	22:46:15.000	488AO6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	3,497,151:87:0	
653	96	178	22:53:21.000	165GA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,497,158:89:0	
654	96	178	22:53:21.666	165GA4B	7SCAN	NORM,254.275,-23	Check S/P Position	2R3	4	0	3,497,158:90:0	
655	96	178	22:56:15.000	117GA	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,497,161:77:0	
656	96	178	22:56:24.333	117GA105A106A4A	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,162:00:0	
657	96	178	22:56:24.333	176GA6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,497,162:00:0	
658	96	178	23:00:13.000	117GA105A106A4B	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,165:70:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	96	178	23:00:23.666	117GA105A106A4C	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,165	86:0
660	96	178	23:04:12.333	117GA105A106A4D	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,169	65:0
661	96	178	23:04:23.000	117GA105A106A4E	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,169	81:0
662	96	178	23:08:11.666	117GA105A106A4F	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,173	60:0
663	96	178	23:08:22.333	117GA105A106A4G	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,173	76:0
664	96	178	23:09:16.333		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 385.99 +/-	2R3	4	0	3,497,174	66:0
665	96	178	23:09:16.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,497,174	66:0
666	96	178	23:09:24.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 387.68 +/-	2R3	4	0	3,497,174	78:3
667	96	178	23:09:45.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 392.48 +/-	2R3	4	0	3,497,175	18:0
668	96	178	23:09:45.000	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,497,175	18:0
669	96	178	23:09:46.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 392.54 +/-	2R3	4	0	3,497,175	20:1
670	96	178	23:12:11.000	117GA105A106A4H	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,177	55:0
671	96	178	23:12:21.666	117GA105A106A4I	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,177	71:0
672	96	178	23:16:10.333	117GA105A106A4J	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,181	50:0
673	96	178	23:16:21.000	117GA105A106A4K	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,181	66:0
674	96	178	23:20:09.666	117GA105A106A4L	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,185	45:0
675	96	178	23:20:20.333	117GA105A106A4M	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,185	61:0
676	96	178	23:22:19.000		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 392.54 +/-	2R3	4	0	3,497,187	57:0
677	96	178	23:22:19.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,497,187	57:0
678	96	178	23:22:27.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 394.24 +/-	2R3	4	0	3,497,187	69:3
679	96	178	23:22:47.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 399.03 +/-	2R3	4	0	3,497,188	09:0
680	96	178	23:22:47.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,497,188	09:0
681	96	178	23:22:49.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 399.09 +/-	2R3	4	0	3,497,188	11:1
682	96	178	23:24:09.000	117GA105A106A4N	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,189	40:0
683	96	178	23:24:19.666	117GA105A106A4O	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,189	56:0
684	96	178	23:28:08.333	117GA105A106A4P	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,193	35:0
685	96	178	23:28:19.000	117GA105A106A4Q	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,193	51:0
686	96	178	23:32:07.666	117GA105A106A4R	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,197	30:0
687	96	178	23:32:18.333	117GA105A106A4S	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,197	46:0
688	96	178	23:35:21.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,497,200	47:0
689	96	178	23:35:21.000		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 399.09 +/-	2R3	4	0	3,497,200	47:0
690	96	178	23:35:29.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 400.79 +/-	2R3	4	0	3,497,200	59:3
691	96	178	23:35:49.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,497,200	90:0
692	96	178	23:35:49.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 405.59 +/-	2R3	4	0	3,497,200	90:0
693	96	178	23:35:51.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 405.65 +/-	2R3	4	0	3,497,201	01:1
694	96	178	23:36:07.000	117GA105A106A4T	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,201	25:0
695	96	178	23:36:17.666	117GA105A106A4U	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,201	41:0
696	96	178	23:40:06.333	117GA105A106A4V	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,205	20:0
697	96	178	23:40:17.000	117GA105A106A4W	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,205	36:0
698	96	178	23:44:05.666	117GA105A106A4X	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,209	15:0
699	96	178	23:44:16.333	117GA105A106A4Y	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,209	31:0
700	96	178	23:48:05.000	117GA105A106A4Z	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,213	10:0
701	96	178	23:48:15.666	117GA105A106A4AA	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,213	26:0
702	96	178	23:48:23.000		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 405.65 +/-	2R3	4	0	3,497,213	37:0
703	96	178	23:48:23.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,497,213	37:0
704	96	178	23:48:31.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 407.34 +/-	2R3	4	0	3,497,213	49:3
705	96	178	23:48:51.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 412.14 +/-	2R3	4	0	3,497,213	80:0
706	96	178	23:48:51.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,497,213	80:0
707	96	178	23:48:53.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 412.20 +/-	2R3	4	0	3,497,213	82:1
708	96	178	23:52:04.333	117GA105A106A4AB	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,217	05:0
709	96	178	23:52:15.000	117GA105A106A4AC	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,217	21:0
710	96	178	23:56:03.666	117GA105A106A4AD	7STRP	0.0022,0.016808,	Slew =,8.01	2R3	4	0	3,497,221	00:0
711	96	178	23:56:14.333	117GA105A106A4AE	7STRP	0.0,-0.017009,0,	Slew =,0.19	2R3	4	0	3,497,221	16:0
712	96	179	00:00:03.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,497,224	86:0
713	96	179	00:00:03.000	176GA6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,497,224	86:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	96	179	00:00:03.000		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 412.20 +/-	2R3	4	0	3,497,224:86:0	
715	96	179	00:00:03.000	117GA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,497,224:86:0	
716	96	179	00:00:11.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 413.89 +/-	2R3	4	0	3,497,225:07:3	
717	96	179	00:00:29.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,497,225:35:0	
718	96	179	00:00:29.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 418.22 +/-	2R3	4	0	3,497,225:35:0	
719	96	179	00:00:31.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 418.28 +/-	2R3	4	0	3,497,225:37:1	
720	96	179	00:01:05.666	165GB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,497,225:89:0	
721	96	179	00:01:06.333	165GB4B	7SCAN	NORM,254.198999,	Check S/P Position	2R3	4	0	3,497,225:90:0	
722	96	179	00:01:58.333	117GB	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,497,226:77:0	
723	96	179	00:02:07.666	117GB105A106A4A	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,227:00:0	
724	96	179	00:02:07.666	176GB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,497,227:00:0	
725	96	179	00:03:29.000	117GB105A106A4B	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,228:31:0	
726	96	179	00:03:39.000	117GB105A106A4C	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,228:46:0	
727	96	179	00:05:00.333	117GB105A106A4D	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,229:77:0	
728	96	179	00:05:10.333	117GB105A106A4E	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,230:01:0	
729	96	179	00:06:31.666	117GB105A106A4F	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,231:32:0	
730	96	179	00:06:41.666	117GB105A106A4G	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,231:47:0	
731	96	179	00:08:03.000	117GB105A106A4H	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,232:78:0	
732	96	179	00:08:13.000	117GB105A106A4I	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,233:02:0	
733	96	179	00:09:34.333	117GB105A106A4J	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,234:33:0	
734	96	179	00:09:44.333	117GB105A106A4K	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,234:48:0	
735	96	179	00:11:05.666	117GB105A106A4L	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,235:79:0	
736	96	179	00:11:15.666	117GB105A106A4M	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,236:03:0	
737	96	179	00:12:37.000	117GB105A106A4N	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,237:34:0	
738	96	179	00:12:47.000	117GB105A106A4O	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,237:49:0	
739	96	179	00:14:08.333	117GB105A106A4P	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,238:80:0	
740	96	179	00:14:18.333	117GB105A106A4Q	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,239:04:0	
741	96	179	00:14:59.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,497,239:66:0	
742	96	179	00:14:59.666		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 418.28 +/-	2R3	4	0	3,497,239:66:0	
743	96	179	00:15:07.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 419.98 +/-	2R3	4	0	3,497,239:78:3	
744	96	179	00:15:28.333	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,497,240:18:0	
745	96	179	00:15:28.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 424.78 +/-	2R3	4	0	3,497,240:18:0	
746	96	179	00:15:29.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 424.84 +/-	2R3	4	0	3,497,240:20:1	
747	96	179	00:15:39.666	117GB105A106A4R	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,240:35:0	
748	96	179	00:15:49.666	117GB105A106A4S	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,240:50:0	
749	96	179	00:17:11.000	117GB105A106A4T	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,241:81:0	
750	96	179	00:17:21.000	117GB105A106A4U	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,242:05:0	
751	96	179	00:18:42.333	117GB105A106A4V	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,243:36:0	
752	96	179	00:18:52.333	117GB105A106A4W	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,243:51:0	
753	96	179	00:20:13.666	117GB105A106A4X	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,244:82:0	
754	96	179	00:20:23.666	117GB105A106A4Y	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,245:06:0	
755	96	179	00:21:45.000	117GB105A106A4Z	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,246:37:0	
756	96	179	00:21:55.000	117GB105A106A4AA	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,246:52:0	
757	96	179	00:23:16.333	117GB105A106A4AB	7STRP	0.0022,0.018511,	Slew =,8.01	2R3	4	0	3,497,247:83:0	
758	96	179	00:23:26.333	117GB105A106A4AC	7STRP	0.0,-0.018511,0,	Slew =,0.61	2R3	4	0	3,497,248:07:0	
759	96	179	00:24:47.666	117GB105A106B4A	7STRP	0.0021,0.019014,	Slew =,8.01	2R3	4	0	3,497,249:38:0	
760	96	179	00:24:57.666	117GB105A106B4B	7STRP	0.0,-0.007601,0,	Slew =,0.61	2R3	4	0	3,497,249:53:0	
761	96	179	00:25:32.333	117GB105A106C4A	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,250:14:0	
762	96	179	00:25:40.333	117GB105A106C4B	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,250:26:0	
763	96	179	00:26:16.333	117GB105A106C4C	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,250:80:0	
764	96	179	00:26:24.333	117GB105A106C4D	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,251:01:0	
765	96	179	00:27:00.333	117GB105A106C4E	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,251:55:0	
766	96	179	00:27:08.333	117GB105A106C4F	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,251:67:0	
767	96	179	00:27:44.333	117GB105A106C4G	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,252:30:0	
768	96	179	00:27:52.333	117GB105A106C4H	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,252:42:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	96	179	00:28:02.333		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 424.84 +/-	2R3	4	0	3,497,252:57:0	
770	96	179	00:28:02.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,497,252:57:0	
771	96	179	00:28:10.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 426.53 +/-	2R3	4	0	3,497,252:69:3	
772	96	179	00:28:28.333	117GB105A106C4I	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,253:05:0	
773	96	179	00:28:31.000	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,497,253:09:0	
774	96	179	00:28:31.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 431.33 +/-	2R3	4	0	3,497,253:09:0	
775	96	179	00:28:32.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 431.39 +/-	2R3	4	0	3,497,253:11:1	
776	96	179	00:28:36.333	117GB105A106C4J	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,253:17:0	
777	96	179	00:29:12.333	117GB105A106C4K	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,253:71:0	
778	96	179	00:29:20.333	117GB105A106C4L	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,253:83:0	
779	96	179	00:29:56.333	117GB105A106C4M	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,254:46:0	
780	96	179	00:30:04.333	117GB105A106C4N	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,254:58:0	
781	96	179	00:30:40.333	117GB105A106C4O	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,255:21:0	
782	96	179	00:30:48.333	117GB105A106C4P	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,255:33:0	
783	96	179	00:31:24.333	117GB105A106C4Q	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,255:87:0	
784	96	179	00:31:32.333	117GB105A106C4R	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,256:08:0	
785	96	179	00:32:08.333	117GB105A106C4S	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,256:62:0	
786	96	179	00:32:16.333	117GB105A106C4T	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,256:74:0	
787	96	179	00:32:52.333	117GB105A106C4U	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,257:37:0	
788	96	179	00:33:00.333	117GB105A106C4V	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,257:49:0	
789	96	179	00:33:36.333	117GB105A106C4W	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,258:12:0	
790	96	179	00:33:44.333	117GB105A106C4X	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,258:24:0	
791	96	179	00:34:20.333	117GB105A106C4Y	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,258:78:0	
792	96	179	00:34:28.333	117GB105A106C4Z	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,258:90:0	
793	96	179	00:35:04.333	117GB105A106C4AA	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,259:53:0	
794	96	179	00:35:12.333	117GB105A106C4AB	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,259:65:0	
795	96	179	00:35:48.333	117GB105A106C4AC	7STRP	0.0023,0.007201,	Slew =,8.01	2R3	4	0	3,497,260:28:0	
796	96	179	00:35:56.333	117GB105A106C4AD	7STRP	0.0,-0.007201,0,	Slew =,0.61	2R3	4	0	3,497,260:40:0	
797	96	179	00:36:32.333	176GB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,497,261:03:0	
798	96	179	00:36:32.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,497,261:03:0	
799	96	179	00:36:32.333	117GB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,497,261:03:0	
800	96	179	00:36:32.333		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 431.39 +/-	2R3	4	0	3,497,261:03:0	
801	96	179	00:36:40.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 433.08 +/-	2R3	4	0	3,497,261:15:3	
802	96	179	00:36:56.333	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,497,261:39:0	
803	96	179	00:36:56.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 436.79 +/-	2R3	4	0	3,497,261:39:0	
804	96	179	00:36:57.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 436.85 +/-	2R3	4	0	3,497,261:41:1	
805	96	179	00:37:29.666	165FV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,497,261:89:0	
806	96	179	00:37:30.333	165FV4B	7SCAN	NORM,256.345997,	Check S/P Position	2R3	4	0	3,497,261:90:0	
807	**96**	**179**	**00:37:34.933**	**G1JNGRS02501-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
808	96	179	00:38:15.000		DMS:	: *US-RUNUP	R28, TRACK 3, FWD, TIC 436.85 +/-	2R3	4	0	3,497,262:66:0	
809	96	179	00:38:15.000	175KB422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,497,262:66:0	
810	96	179	00:38:22.333	117FV	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,497,262:77:0	
811	96	179	00:38:27.000	127FV	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,497,262:84:0	
812	**96**	**179**	**00:38:27.000**	**127FV4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,497,262:84:0**	
813	96	179	00:38:27.000	175KB176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R5	4	1	3,497,262:84:0	
814	96	179	00:38:27.066		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC * 439.74 +/-	2R5	4	1	3,497,262:84:1	
815	**96**	**179**	**00:38:27.666**	**127FV4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,497,262:85:0**	
816	96	179	00:38:28.333		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC * 440.86 +/-	2R5	4	1	3,497,262:86:0	
817	96	179	00:38:28.333	175FV422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,497,262:86:0	
818	96	179	00:38:29.733		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC * 441.08 +/-	2R5	4	1	3,497,262:88:1	
819	96	179	00:38:31.000	175FV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,497,262:90:0	
820	96	179	00:38:31.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 441.20 +/-	2R5	4	1	3,497,262:90:3	
821	**96**	**179**	**00:38:31.649**	**G1JNGRS02501-**	**NIMPBK**	**301FV**	**GRS 25 PHASE #1**	**2R5**	**4**	**1**	**: :**	
822	96	179	00:38:31.666	117FV105A106A4A	7STRP	-0.035014,0.0,0,	Slew =,0.11	2R5	4	1	3,497,263:00:0	
823	96	179	00:38:35.666	127FV11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,497,263:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	96	179	00:43:55.666	117FV105A106A4B	7STRP	0.036016,-0.0080	Slew =12.01	2R5	4	1	3,497,268:31:0	
825	96	179	00:44:07.666	117FV105A106A4C	7STRP	-0.035014,0.0,0,	Slew =,0.11	2R5	4	1	3,497,268:49:0	
826	**96**	**179**	**00:49:31.648**	**G1JNGRS02501-**	**DESELC**	**300FV**	**GRS 25 PHASE #1**	**2R5**	**4**	**1**	**: :**	
827	96	179	00:49:31.666	117FV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,497,273:80:0	
828	96	179	00:49:31.666	175FV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,497,273:80:0	
829	96	179	00:49:31.666	175FV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,497,273:80:0	
830	96	179	00:49:31.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 595.99 +/-	2R5	4	1	3,497,273:80:0	
831	96	179	00:49:33.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 596.05 +/-	2R5	4	1	3,497,273:82:1	
832	96	179	00:49:37.666	165GC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,497,273:89:0	
833	96	179	00:49:38.333	165GC4B	7SCAN	NORM,256.158997,	Check S/P Position	2R5	4	1	3,497,273:90:0	
834	**96**	**179**	**00:49:42.933**	**G1JNGRS02501-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
835	96	179	00:50:30.333	117GC	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,497,274:77:0	
836	96	179	00:50:39.666	176GC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,497,275:00:0	
837	96	179	00:50:39.666	117GC105A106A4A	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,275:00:0	
838	96	179	00:52:45.000	117GC105A106A4B	7STRP	0.0012,0.009152,	Slew =,8.01	2R5	4	1	3,497,277:06:0	
839	96	179	00:52:54.333	117GC105A106A4C	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,277:20:0	
840	96	179	00:54:59.666	117GC105A106A4D	7STRP	0.0012,0.009152,	Slew =,8.01	2R5	4	1	3,497,279:26:0	
841	96	179	00:55:09.000	117GC105A106A4E	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,279:40:0	
842	96	179	00:57:14.333	117GC105A106A4F	7STRP	0.0012,0.009152,	Slew =,8.01	2R5	4	1	3,497,281:46:0	
843	96	179	00:57:23.666	117GC105A106A4G	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,281:60:0	
844	96	179	00:59:29.000	117GC105A106A4H	7STRP	0.0012,0.009152,	Slew =,8.01	2R5	4	1	3,497,283:66:0	
845	96	179	00:59:38.333	117GC105A106A4I	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,283:80:0	
846	96	179	01:01:43.666	117GC105A106A4J	7STRP	0.0012,0.009152,	Slew =,8.01	2R5	4	1	3,497,285:86:0	
847	96	179	01:01:53.000	117GC105A106A4K	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,286:09:0	
848	96	179	01:03:31.666		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 596.05 +/-	2R5	4	1	3,497,287:66:0	
849	96	179	01:03:31.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,497,287:66:0	
850	96	179	01:03:39.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 597.75 +/-	2R5	4	1	3,497,287:78:3	
851	96	179	01:03:58.333	117GC105A106A4L	7STRP	0.0012,0.009152,	Slew =,8.01	2R5	4	1	3,497,288:15:0	
852	96	179	01:04:00.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 602.55 +/-	2R5	4	1	3,497,288:18:0	
853	96	179	01:04:00.333	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,497,288:18:0	
854	96	179	01:04:01.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 602.61 +/-	2R5	4	1	3,497,288:20:1	
855	96	179	01:04:07.666	117GC105A106A4M	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,288:29:0	
856	96	179	01:06:13.000	117GC105A106A4N	7STRP	0.0012,0.009152,	Slew =,8.01	2R5	4	1	3,497,290:35:0	
857	96	179	01:06:22.333	117GC105A106A4O	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,290:49:0	
858	96	179	01:08:27.666	117GC105A106A4P	7STRP	0.0012,0.009152,	Slew =,8.01	2R5	4	1	3,497,292:55:0	
859	96	179	01:08:37.000	117GC105A106A4Q	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,292:69:0	
860	96	179	01:10:42.333	117GC105A106A4R	7STRP	0.0012,0.009152,	Slew =,8.01	2R5	4	1	3,497,294:75:0	
861	96	179	01:10:51.666	117GC105A106A4S	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,294:89:0	
862	96	179	01:12:57.000	117GC105A106A4T	7STRP	0.0012,0.009152,	Slew =,8.01	2R5	4	1	3,497,297:04:0	
863	96	179	01:13:06.333	117GC105A106A4U	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,297:18:0	
864	96	179	01:15:11.666	117GC105A106A4V	7STRP	0.0012,0.009152,	Slew =,8.01	2R5	4	1	3,497,299:24:0	
865	96	179	01:15:21.000	117GC105A106A4W	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,299:38:0	
866	96	179	01:16:34.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,497,300:57:0	
867	96	179	01:16:34.333		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 602.61 +/-	2R5	4	1	3,497,300:57:0	
868	96	179	01:16:42.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 604.30 +/-	2R5	4	1	3,497,300:69:3	
869	96	179	01:17:03.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 609.10 +/-	2R5	4	1	3,497,301:09:0	
870	96	179	01:17:03.000	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,497,301:09:0	
871	96	179	01:17:04.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 609.16 +/-	2R5	4	1	3,497,301:11:1	
872	96	179	01:17:26.333	117GC105A106A4X	7STRP	0.0012,0.009152,	Slew =,8.01	2R5	4	1	3,497,301:44:0	
873	96	179	01:17:35.666	117GC105A106A4Y	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,301:58:0	
874	96	179	01:19:41.000	117GC105A106A4Z	7STRP	0.0012,0.009152,	Slew =,8.01	2R5	4	1	3,497,303:64:0	
875	96	179	01:19:50.333	117GC105A106A4AA	7STRP	0.0008,-0.009202	Slew =,0.21	2R5	4	1	3,497,303:78:0	
876	96	179	01:21:55.666	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,497,305:84:0	
877	96	179	01:21:55.666	176GC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,497,305:84:0	
878	96	179	01:21:55.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,497,305:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	96	179	01:21:55.666		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 609.16 +/-	2R5	4	1	3,497,305:84:0	
880	96	179	01:22:03.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 610.86 +/-	2R5	4	1	3,497,306:05:3	
881	96	179	01:22:16.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 613.78 +/-	2R5	4	1	3,497,306:24:0	
882	96	179	01:22:16.333	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,497,306:24:0	
883	96	179	01:22:17.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 613.84 +/-	2R5	4	1	3,497,306:26:1	
884	96	179	01:22:59.666	165GD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,497,306:89:0	
885	96	179	01:23:00.333	165GD4B	7SCAN	NORM,254.646999,	Check S/P Position	2R5	4	1	3,497,306:90:0	
886	96	179	01:23:52.333	117GD	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,497,307:77:0	
887	96	179	01:24:01.666	176GD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,497,308:00:0	
888	96	179	01:24:01.666	117GD105A106A4A	7STRP	0.001,-0.012003,	Slew =,0.31	2R5	4	1	3,497,308:00:0	
889	96	179	01:25:41.000	117GD105A106A4B	7STRP	0.0018,0.011903,	Slew =,8.01	2R5	4	1	3,497,309:58:0	
890	96	179	01:25:50.333	117GD105A106A4C	7STRP	0.001,-0.012003,	Slew =,0.31	2R5	4	1	3,497,309:72:0	
891	96	179	01:27:29.666	117GD105A106A4D	7STRP	0.0018,0.011903,	Slew =,8.01	2R5	4	1	3,497,311:39:0	
892	96	179	01:27:39.000	117GD105A106A4E	7STRP	0.001,-0.012003,	Slew =,0.31	2R5	4	1	3,497,311:53:0	
893	96	179	01:29:18.333	117GD105A106A4F	7STRP	0.0018,0.011903,	Slew =,8.01	2R5	4	1	3,497,313:20:0	
894	96	179	01:29:27.666	117GD105A106A4G	7STRP	0.001,-0.012003,	Slew =,0.31	2R5	4	1	3,497,313:34:0	
895	96	179	01:31:07.000	117GD105A106A4H	7STRP	0.0018,0.011903,	Slew =,8.01	2R5	4	1	3,497,315:01:0	
896	96	179	01:31:16.333	117GD105A106A4I	7STRP	0.001,-0.012003,	Slew =,0.31	2R5	4	1	3,497,315:15:0	
897	96	179	01:32:55.666	117GD105A106A4J	7STRP	0.0018,0.011903,	Slew =,8.01	2R5	4	1	3,497,316:73:0	
898	96	179	01:33:05.000	117GD105A106A4K	7STRP	0.001,-0.012003,	Slew =,0.31	2R5	4	1	3,497,316:87:0	
899	96	179	01:34:44.333	117GD105A106A4L	7STRP	0.0018,0.011903,	Slew =,8.01	2R5	4	1	3,497,318:54:0	
900	96	179	01:34:53.666	117GD105A106A4M	7STRP	0.001,-0.012003,	Slew =,0.31	2R5	4	1	3,497,318:68:0	
901	96	179	01:36:33.000	117GD105A106A4N	7STRP	0.0018,0.011903,	Slew =,8.01	2R5	4	1	3,497,320:35:0	
902	96	179	01:36:42.333	117GD105A106A4O	7STRP	0.001,-0.012003,	Slew =,0.31	2R5	4	1	3,497,320:49:0	
903	96	179	01:38:16.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,497,322:08:0	
904	96	179	01:38:16.333		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 613.84 +/-	2R5	4	1	3,497,322:08:0	
905	96	179	01:38:21.666	117GD105A106A4P	7STRP	0.0018,0.011903,	Slew =,8.01	2R5	4	1	3,497,322:16:0	
906	96	179	01:38:24.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 615.53 +/-	2R5	4	1	3,497,322:20:3	
907	96	179	01:38:31.000	117GD105A106A4Q	7STRP	0.001,-0.012003,	Slew =,0.31	2R5	4	1	3,497,322:30:0	
908	96	179	01:38:45.000	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,497,322:51:0	
909	96	179	01:38:45.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 620.33 +/-	2R5	4	1	3,497,322:51:0	
910	96	179	01:38:46.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 620.39 +/-	2R5	4	1	3,497,322:53:1	
911	96	179	01:40:10.333	176GD6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,497,323:88:0	
912	96	179	01:40:10.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,497,323:88:0	
913	96	179	01:40:10.333	117GD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,497,323:88:0	
914	96	179	01:40:10.333		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 620.39 +/-	2R5	4	1	3,497,323:88:0	
915	96	179	01:40:18.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 622.09 +/-	2R5	4	1	3,497,324:09:3	
916	96	179	01:40:27.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,497,324:23:0	
917	96	179	01:40:27.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 624.23 +/-	2R5	4	1	3,497,324:23:0	
918	96	179	01:40:29.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 624.29 +/-	2R5	4	1	3,497,324:25:1	
919	96	179	02:08:03.666	488AO6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R5	4	1	3,497,351:50:0	
920	96	179	03:10:10.333	165DK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,497,412:89:0	
921	96	179	03:10:11.000	165DK4B	7SCAN	NORM,251.949999,	Check S/P Position	2R5	4	1	3,497,412:90:0	
922	**96**	**179**	**03:10:15.600**	**G1GNMEMPIS01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
923	96	179	03:13:09.000	125DK	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,497,415:84:0	
924	**96**	**179**	**03:13:09.000**	**125DK4A**	**37IST**	**1,2,0,OFF,0,1,2**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**3R5**	**4**	**1**	**3,497,415:84:0**	
925	96	179	03:13:09.000	125DK11A	NIMSINIT	GE	##### GROUP END INIT	3R5	4	1	3,497,415:84:0	
926	96	179	03:13:57.666		DMS:	: *US-RUNUP	R28, TRACK 3, FWD, TIC 624.29 +/-	3R5	4	1	3,497,416:66:0	
927	96	179	03:13:57.666	175KC422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R5	4	1	3,497,416:66:0	
928	96	179	03:14:05.000	117DK	**CSMOS**	GS	***** GROUP START CSMOS	3R5	4	1	3,497,416:77:0	
929	**96**	**179**	**03:14:09.666**	**127DK4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**3R3**	**4**	**0**	**3,497,416:84:0**	
930	96	179	03:14:09.666	127DK	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,497,416:84:0	
931	96	179	03:14:09.666	175KC176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R3	4	0	3,497,416:84:0	
932	96	179	03:14:09.733		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC * 627.18 +/-	3R3	4	0	3,497,416:84:1	
933	**96**	**179**	**03:14:10.333**	**127DK4B**	**37ETB**	**07,C7,02,00,18,0**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,497,416:85:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	96	179	03:14:11.000		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC * 628.30 +/-	3R3	4	0	3,497,416:86:0	
935	96	179	03:14:11.000	175DK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,497,416:86:0	
936	96	179	03:14:12.400		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC * 628.52 +/-	3R3	4	0	3,497,416:88:1	
937	96	179	03:14:13.000	165DK4C	7VECT		Inert vect update UTC	3R3	4	0	3,497,416:89:0	
938	96	179	03:14:13.666	165DK4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,497,416:90:0	
939	96	179	03:14:13.666	175DK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	3,497,416:90:0	
940	96	179	03:14:13.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 628.64 +/-	3R3	4	0	3,497,416:90:3	
941	**96**	**179**	**03:14:14.310**	**G1GNMEMPIS01-**	**NIMPBK**	**301DK**	**MEMPHIS FACULA FURROWS/PALIMPSES**	**3R3**	**4**	**0**	**: :**	
942	96	179	03:14:14.333	117DK105A106A4A	7STRP	0.013801,0.0,0,0	Slew =,0.03	3R3	4	0	3,497,417:00:0	
943	96	179	03:14:18.333	127DK11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,497,417:06:0	
944	96	179	03:15:01.000	488AO6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	3R3	4	0	3,497,417:70:0	
945	**96**	**179**	**03:22:19.643**	**G1GNMEMPIS01-**	**DESELC**	**300DK**	**MEMPHIS FACULA FURROWS/PALIMPSES**	**3R3**	**4**	**0**	**: :**	
946	96	179	03:22:19.666	175DK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,497,425:00:0	
947	96	179	03:22:19.666	175DK422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,497,425:00:0	
948	96	179	03:22:19.666	117DK11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,497,425:00:0	
949	96	179	03:22:19.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 742.50 +/-	3R3	4	0	3,497,425:00:0	
950	96	179	03:22:21.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 742.56 +/-	3R3	4	0	3,497,425:02:1	
951	96	179	03:24:19.666	165GE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,497,426:89:0	
952	96	179	03:24:20.333	165GE4B	7SCAN	NORM,252.035999,	Check S/P Position	3R3	4	0	3,497,426:90:0	
953	**96**	**179**	**03:24:24.933**	**G1GNMEMPIS01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
954	96	179	03:24:25.000	117GE	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,497,427:06:0	
955	96	179	03:24:47.000	117GE105A106A4A	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,427:39:0	
956	96	179	03:24:47.000	176GE6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	3,497,427:39:0	
957	96	179	03:25:18.333	117GE105A106A4B	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,427:86:0	
958	96	179	03:25:29.666	117GE105A106A4C	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,428:12:0	
959	96	179	03:26:01.000	117GE105A106A4D	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,428:59:0	
960	96	179	03:26:12.333	117GE105A106A4E	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,428:76:0	
961	96	179	03:26:43.666	117GE105A106A4F	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,429:32:0	
962	96	179	03:26:55.000	117GE105A106A4G	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,429:49:0	
963	96	179	03:27:26.333	117GE105A106A4H	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,430:05:0	
964	96	179	03:27:37.666	117GE105A106A4I	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,430:22:0	
965	96	179	03:28:09.000	117GE105A106A4J	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,430:69:0	
966	96	179	03:28:20.333	117GE105A106A4K	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,430:86:0	
967	96	179	03:28:51.666	117GE105A106A4L	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,431:42:0	
968	96	179	03:29:03.000	117GE105A106A4M	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,431:59:0	
969	96	179	03:29:07.666	488AP6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	3R3	4	0	3,497,431:66:0	
970	96	179	03:29:34.333	117GE105A106A4N	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,432:15:0	
971	96	179	03:29:45.666	117GE105A106A4O	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,432:32:0	
972	96	179	03:30:17.000	117GE105A106A4P	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,432:79:0	
973	96	179	03:30:28.333	117GE105A106A4Q	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,433:05:0	
974	96	179	03:30:59.666	117GE105A106A4R	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,433:52:0	
975	96	179	03:31:11.000	117GE105A106A4S	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,433:69:0	
976	96	179	03:31:42.333	117GE105A106A4T	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,434:25:0	
977	96	179	03:31:53.666	117GE105A106A4U	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,434:42:0	
978	96	179	03:32:25.000	117GE105A106A4V	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,434:89:0	
979	96	179	03:32:36.333	117GE105A106A4W	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,435:15:0	
980	96	179	03:33:07.666	117GE105A106A4X	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,435:62:0	
981	96	179	03:33:19.000	117GE105A106A4Y	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,435:79:0	
982	96	179	03:33:50.333	117GE105A106A4Z	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,436:35:0	
983	96	179	03:34:01.666	117GE105A106A4AA	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,436:52:0	
984	96	179	03:34:33.000	117GE105A106A4AB	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,437:08:0	
985	96	179	03:34:44.333	117GE105A106A4AC	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,437:25:0	
986	96	179	03:35:15.666	117GE105A106A4AD	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,437:72:0	
987	96	179	03:35:27.000	117GE105A106A4AE	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,437:89:0	
988	96	179	03:35:58.333	117GE105A106A4AF	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,438:45:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	96	179	03:36:09.666	117GE105A106A4AG	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,438	62:0
990	96	179	03:36:41.000	117GE105A106A4AH	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,439	18:0
991	96	179	03:36:52.333	117GE105A106A4AI	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,439	35:0
992	96	179	03:37:23.666	117GE105A106A4AJ	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,439	82:0
993	96	179	03:37:35.000	117GE105A106A4AK	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,440	08:0
994	96	179	03:37:39.000		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 742.56 +/-	3R3	4	0	3,497,440	14:0
995	96	179	03:37:39.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,497,440	14:0
996	96	179	03:37:47.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 744.25 +/-	3R3	4	0	3,497,440	26:3
997	96	179	03:38:06.333	117GE105A106A4AL	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,440	55:0
998	96	179	03:38:07.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 749.05 +/-	3R3	4	0	3,497,440	57:0
999	96	179	03:38:07.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,497,440	57:0
1000	96	179	03:38:09.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 749.11 +/-	3R3	4	0	3,497,440	59:1
1001	96	179	03:38:17.666	117GE105A106A4AM	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,440	72:0
1002	96	179	03:38:49.000	117GE105A106A4AN	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,441	28:0
1003	96	179	03:39:00.333	117GE105A106A4AO	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,441	45:0
1004	96	179	03:39:31.666	117GE105A106A4AP	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,442	01:0
1005	96	179	03:39:43.000	117GE105A106A4AQ	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,442	18:0
1006	96	179	03:40:14.333	117GE105A106A4AR	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,442	65:0
1007	96	179	03:40:25.666	117GE105A106A4AS	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,442	82:0
1008	96	179	03:40:57.000	117GE105A106A4AT	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,443	38:0
1009	96	179	03:41:08.333	117GE105A106A4AU	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,443	55:0
1010	96	179	03:41:39.666	117GE105A106A4AV	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,444	11:0
1011	96	179	03:41:51.000	117GE105A106A4AW	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,444	28:0
1012	96	179	03:42:22.333	117GE105A106A4AX	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,444	75:0
1013	96	179	03:42:33.666	117GE105A106A4AY	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,445	01:0
1014	96	179	03:43:05.000	117GE105A106A4AZ	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,445	48:0
1015	96	179	03:43:16.333	117GE105A106A4BA	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,445	65:0
1016	96	179	03:43:47.666	117GE105A106A4BB	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,446	21:0
1017	96	179	03:43:59.000	117GE105A106A4BC	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,446	38:0
1018	96	179	03:44:30.333	117GE105A106A4BD	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,446	85:0
1019	96	179	03:44:41.666	117GE105A106A4BE	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,447	11:0
1020	96	179	03:45:13.000	117GE105A106A4BF	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,447	58:0
1021	96	179	03:45:24.333	117GE105A106A4BG	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,447	75:0
1022	96	179	03:45:55.666	117GE105A106A4BH	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,448	31:0
1023	96	179	03:46:07.000	117GE105A106A4BI	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,448	48:0
1024	96	179	03:46:38.266	117GE105A106A4BJ	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,449	04:0
1025	96	179	03:46:49.600	117GE105A106A4BK	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,449	21:0
1026	96	179	03:47:20.933	117GE105A106A4BL	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,449	68:0
1027	96	179	03:47:32.266	117GE105A106A4BM	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,449	85:0
1028	96	179	03:48:03.600	117GE105A106A4BN	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,450	41:0
1029	96	179	03:48:14.933	117GE105A106A4BO	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,450	58:0
1030	96	179	03:48:46.266	117GE105A106A4BP	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,451	14:0
1031	96	179	03:48:57.600	117GE105A106A4BQ	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,451	31:0
1032	96	179	03:49:28.933	117GE105A106A4BR	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,451	78:0
1033	96	179	03:49:40.266	117GE105A106A4BS	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,452	04:0
1034	96	179	03:50:11.600	117GE105A106A4BT	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,452	51:0
1035	96	179	03:50:22.933	117GE105A106A4BU	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,452	68:0
1036	96	179	03:50:41.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,497,453	05:0
1037	96	179	03:50:41.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 749.11 +/-	3R3	4	0	3,497,453	05:0
1038	96	179	03:50:49.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 750.81 +/-	3R3	4	0	3,497,453	17:3
1039	96	179	03:50:54.266	117GE105A106A4BV	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,453	24:0
1040	96	179	03:51:05.600	117GE105A106A4BW	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,453	41:0
1041	96	179	03:51:10.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,497,453	48:0
1042	96	179	03:51:10.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 755.60 +/-	3R3	4	0	3,497,453	48:0
1043	96	179	03:51:11.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 755.66 +/-	3R3	4	0	3,497,453	50:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	96	179	03:51:36.933	117GE105A106A4BX	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,453:88:0	
1045	96	179	03:51:48.266	117GE105A106A4BY	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,454:14:0	
1046	96	179	03:52:19.600	117GE105A106A4BZ	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,454:61:0	
1047	96	179	03:52:30.933	117GE105A106A4CA	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,454:78:0	
1048	96	179	03:53:02.266	117GE105A106A4CB	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,455:34:0	
1049	96	179	03:53:13.600	117GE105A106A4CC	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,455:51:0	
1050	96	179	03:53:44.933	117GE105A106A4CD	7STRP	-0.051947,-0.016	Slew =,17.3	3R3	4	0	3,497,456:07:0	
1051	96	179	03:53:56.266	117GE105A106A4CE	7STRP	0.052548,0.01500	Slew =,2.01	3R3	4	0	3,497,456:24:0	
1052	96	179	03:54:27.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,497,456:71:0	
1053	96	179	03:54:27.600	176GE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,497,456:71:0	
1054	96	179	03:54:27.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 755.66 +/-	3R3	4	0	3,497,456:71:0	
1055	96	179	03:54:27.600	117GE11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,497,456:71:0	
1056	96	179	03:54:35.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 757.36 +/-	3R3	4	0	3,497,456:83:3	
1057	96	179	03:54:46.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 759.97 +/-	3R3	4	0	3,497,457:09:0	
1058	96	179	03:54:46.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,497,457:09:0	
1059	96	179	03:54:48.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 760.03 +/-	3R3	4	0	3,497,457:11:1	
1060	96	179	03:56:40.933	165IL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,497,458:89:0	
1061	96	179	03:56:41.600	165IL4B	7SCAN	NORM,254.738998,	Check S/P Position	3R3	4	0	3,497,458:90:0	
1062	96	179	04:00:36.933	118IL	**SMOS**	GS		3R3	4	0	3,497,462:79:0	
1063	96	179	04:00:46.933	118IL110A111A4A	7STRP	0.00375,0.0,26,0	Slew =,1.01	3R3	4	0	3,497,463:03:0	
1064	96	179	04:00:55.600	118IL110A111A4B	7STRP	-0.00345,0.0036,	Slew =0,5.0	3R3	4	0	3,497,463:16:0	
1065	96	179	04:00:59.600		DMS:	: *US-RUNUP	R806, TRACK 3, FWD, TIC 760.03 +/-	3R3	4	0	3,497,463:22:0	
1066	96	179	04:00:59.600	175IG422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	3R3	4	0	3,497,463:22:0	
1067	96	179	04:01:04.266	118IL110A111A4C	7STRP	0.00375,0.0,26,0	Slew =,1.01	3R3	4	0	3,497,463:29:0	
1068	96	179	04:01:12.266	175IG176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	3,497,463:41:0	
1069	96	179	04:01:12.866		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC * 826.43 +/-	3R3	4	0	3,497,463:41:9	
1070	96	179	04:01:12.933	118IL11A	**SMOS**	GE		3R3	4	0	3,497,463:42:0	
1071	96	179	04:01:19.600	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,497,463:52:0	
1072	96	179	04:01:19.600		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC * 992.13 +/-	3R3	4	0	3,497,463:52:0	
1073	96	179	04:01:22.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1003.13 +/-	3R3	4	0	3,497,463:56:7	
1074	96	179	04:59:22.266	165DN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,497,520:89:0	
1075	96	179	04:59:22.933	165DN4B	7SCAN	NORM,258.086998,	Check S/P Position	3R3	4	0	3,497,520:90:0	
1076	**96**	**179**	**04:59:27.600**	**G1GNAMON__01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1077	96	179	05:01:20.266	125DN11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,497,522:84:0	
1078	96	179	05:01:20.266	125DN	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,497,522:84:0	
1079	**96**	**179**	**05:01:20.266**	**125DN4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,497,522:84:0**	
1080	96	179	05:02:08.933	175KD422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,497,523:66:0	
1081	96	179	05:02:08.933		DMS:	: *US-RUNUP	R28, TRACK 3, FWD, TIC 1003.13 +/-	2R3	4	0	3,497,523:66:0	
1082	96	179	05:02:16.266	117DN	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,497,523:77:0	
1083	96	179	05:02:20.933	127DN	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,497,523:84:0	
1084	96	179	05:02:20.933	175KD176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,497,523:84:0	
1085	96	179	05:02:21.000		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *1006.03 +/-	2R3	4	0	3,497,523:84:1	
1086	**96**	**179**	**05:02:21.600**	**127DN4A**	**37ETB**	**07,C7,02,60,00,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,497,523:85:0**	
1087	96	179	05:02:22.266	175DN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,497,523:86:0	
1088	96	179	05:02:22.266		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *1007.14 +/-	2R3	4	0	3,497,523:86:0	
1089	96	179	05:02:23.666		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *1007.36 +/-	2R3	4	0	3,497,523:88:1	
1090	96	179	05:02:24.266	165DN4C	7VECT		Inert vect update UTC	2R3	4	0	3,497,523:89:0	
1091	96	179	05:02:24.933	165DN4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,497,523:90:0	
1092	96	179	05:02:24.933	175DN176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,497,523:90:0	
1093	96	179	05:02:25.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1007.48 +/-	2R3	4	0	3,497,523:90:3	
1094	96	179	05:02:25.600	117DN105A106A4A	7STRP	-0.0088,0.0,0,0,	Slew =,0.03	2R3	4	0	3,497,524:00:0	
1095	**96**	**179**	**05:02:25.640**	**G1GNAMON__01-**	**NIMPBK**	**301DN**	**AMON BRIGHT RAYED CRATER/GROOVE**	**2R3**	**4**	**0**	**: :**	
1096	96	179	05:02:29.600	127DN11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,497,524:06:0	
1097	**96**	**179**	**05:07:19.640**	**G1GNAMON__01-**	**DESELC**	**300DN**	**AMON BRIGHT RAYED CRATER/GROOVE**	**2R3**	**4**	**0**	**: :**	
1098	96	179	05:07:21.600	117DN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,497,528:80:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	96	179	05:07:21.600	175DN6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,497,528	80:0
1100	96	179	05:07:21.600	175DN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,497,528	80:0
1101	96	179	05:07:21.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1076.96 +/-	2R3	4	0	3,497,528	80:0
1102	96	179	05:07:23.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1077.02 +/-	2R3	4	0	3,497,528	82:1
1103	96	179	05:08:28.266	165DO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,497,529	89:0
1104	96	179	05:08:28.933	165DO4B	7SCAN	NORM,255.927999,	Check S/P Position	2R3	4	0	3,497,529	90:0
1105	**96**	**179**	**05:08:33.600**	**G1GNAMON__01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1106	**96**	**179**	**05:08:33.600**	**G1GNPTAH__01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1107	96	179	05:11:14.933	175KE422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,497,532	66:0
1108	96	179	05:11:14.933		DMS:	: *US-RUNUP	R28, TRACK 3, FWD, TIC 1077.02 +/-	2R3	4	0	3,497,532	66:0
1109	96	179	05:11:22.266	117DO	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,497,532	77:0
1110	96	179	05:11:26.933	175KE176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,497,532	84:0
1111	96	179	05:11:26.933	127DO	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,497,532	84:0
1112	96	179	05:11:27.000		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *1079.92 +/-	2R3	4	0	3,497,532	84:1
1113	**96**	**179**	**05:11:27.600**	**127DO4A**	**37ETB**	**07,C7,02,0C,00,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,497,532**	**85:0**
1114	96	179	05:11:28.266	175DO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,497,532	86:0
1115	96	179	05:11:28.266		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *1081.03 +/-	2R3	4	0	3,497,532	86:0
1116	96	179	05:11:29.666		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *1081.25 +/-	2R3	4	0	3,497,532	88:1
1117	96	179	05:11:30.266	165DO4C	7VECT		Inert vect update UTC	2R3	4	0	3,497,532	89:0
1118	96	179	05:11:30.933	165DO4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,497,532	90:0
1119	96	179	05:11:30.933	175DO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,497,532	90:0
1120	96	179	05:11:31.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1081.38 +/-	2R3	4	0	3,497,532	90:3
1121	96	179	05:11:31.600	117DO105A106A4A	7STRP	0.007,0.0,0,0,0,	Slew =,0.03	2R3	4	0	3,497,533	00:0
1122	**96**	**179**	**05:11:31.639**	**G1GNPTAH__01-**	**NIMPBK**	**301DO**	**RAYED CRATER PTAH**	**2R3**	**4**	**0**	**: :**	
1123	96	179	05:11:35.600	127DO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,497,533	06:0
1124	**96**	**179**	**05:15:24.972**	**G1GNPTAH__01-**	**DESELC**	**300DO**	**RAYED CRATER PTAH**	**2R3**	**4**	**0**	**: :**	
1125	96	179	05:15:26.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1136.64 +/-	2R3	4	0	3,497,536	80:0
1126	96	179	05:15:26.933	175DO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,497,536	80:0
1127	96	179	05:15:26.933	175DO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,497,536	80:0
1128	96	179	05:15:26.933	117DO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,497,536	80:0
1129	96	179	05:15:28.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1136.70 +/-	2R3	4	0	3,497,536	82:1
1130	**96**	**179**	**05:16:38.933**	**G1GNNIPPUR01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1131	**96**	**179**	**05:16:38.933**	**G1GNPTAH__01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1132	96	179	05:17:34.266	165DP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,497,538	89:0
1133	96	179	05:17:34.933	165DP4B	7SCAN	NORM,256.668999,	Check S/P Position	2R3	4	0	3,497,538	90:0
1134	**96**	**179**	**05:19:32.266**	**125DP4A**	**37IST**	**1,2,0,OFF,0,1,2**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**3R3**	**4**	**0**	**3,497,540**	**84:0**
1135	96	179	05:19:32.266	125DP11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,497,540	84:0
1136	96	179	05:19:32.266	125DP	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,497,540	84:0
1137	96	179	05:20:20.933		DMS:	: *US-RUNUP	R28, TRACK 3, FWD, TIC 1136.70 +/-	3R3	4	0	3,497,541	66:0
1138	96	179	05:20:20.933	175KF422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R3	4	0	3,497,541	66:0
1139	96	179	05:20:28.266	117DP	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,497,541	77:0
1140	96	179	05:20:32.933	127DP	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,497,541	84:0
1141	96	179	05:20:32.933	175KF176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R3	4	0	3,497,541	84:0
1142	96	179	05:20:33.000		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *1139.60 +/-	3R3	4	0	3,497,541	84:1
1143	**96**	**179**	**05:20:33.600**	**127DP4A**	**37ETB**	**07,C7,02,06,00,0**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,497,541**	**85:0**
1144	96	179	05:20:34.266		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *1140.71 +/-	3R3	4	0	3,497,541	86:0
1145	96	179	05:20:34.266	175DP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,497,541	86:0
1146	96	179	05:20:35.666		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *1140.93 +/-	3R3	4	0	3,497,541	88:1
1147	96	179	05:20:36.266	165DP4C	7VECT		Inert vect update UTC	3R3	4	0	3,497,541	89:0
1148	96	179	05:20:36.933	165DP4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,497,541	90:0
1149	96	179	05:20:36.933	175DP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	3,497,541	90:0
1150	96	179	05:20:37.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1141.05 +/-	3R3	4	0	3,497,541	90:3
1151	96	179	05:20:37.600	117DP105A106A4A	7STRP	-0.019002,0.0,0,	Slew =,0.03	3R3	4	0	3,497,542	00:0
1152	**96**	**179**	**05:20:37.639**	**G1GNNIPPUR01-**	**NIMPBK**	**301DP**	**NIPPUR SULCUS (FURROWS/DARK/GROO**	**3R3**	**4**	**0**	**: :**	
1153	96	179	05:20:41.600	127DP11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,497,542	06:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	**96**	**179**	**05:31:42.972**	**G1GNNIPPUR01-**	**DESELC**	**300DP**	**NIPPUR SULCUS (FURROWS/DARK/GROO**	**3R3**	**4**	**0**	**: :**	
1155	96	179	05:31:44.933	117DP11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,497,553:00:0	
1156	96	179	05:31:44.933	175DP422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,497,553:00:0	
1157	96	179	05:31:44.933	175DP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,497,553:00:0	
1158	96	179	05:31:44.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1297.57 +/-	3R3	4	0	3,497,553:00:0	
1159	96	179	05:31:46.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1297.63 +/-	3R3	4	0	3,497,553:02:1	
1160	**96**	**179**	**05:31:48.933**	**G1GNNIPPUR01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
1161	**96**	**179**	**05:52:02.267**	**G1GNMIRRAY01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1162	96	179	05:53:04.933	165DS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,497,574:09:0	
1163	96	179	05:53:05.600	165DS4B	7SCAN	NORM,271.247997,	Check S/P Position	3R3	4	0	3,497,574:10:0	
1164	96	179	05:54:43.600	175KG422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R3	4	0	3,497,575:66:0	
1165	96	179	05:54:43.600		DMS:	: *US-RUNUP	R28, TRACK 3, FWD, TIC 1297.63 +/-	3R3	4	0	3,497,575:66:0	
1166	96	179	05:54:50.933	117DS	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,497,575:77:0	
1167	96	179	05:54:55.600	127DS	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,497,575:84:0	
1168	96	179	05:54:55.600	175KG176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R3	4	0	3,497,575:84:0	
1169	96	179	05:54:55.666		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *1300.52 +/-	3R3	4	0	3,497,575:84:1	
1170	**96**	**179**	**05:54:56.266**	**127DS4A**	**37ETB**	**07,C7,02,00,60,0**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,497,575:85:0**	
1171	96	179	05:54:56.933		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *1301.64 +/-	3R3	4	0	3,497,575:86:0	
1172	96	179	05:54:56.933	175DS422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,497,575:86:0	
1173	96	179	05:54:58.333		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *1301.86 +/-	3R3	4	0	3,497,575:88:1	
1174	96	179	05:54:58.933	165DS4C	7VECT		Inert vect update UTC	3R3	4	0	3,497,575:89:0	
1175	96	179	05:54:59.600	175DS176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	3,497,575:90:0	
1176	96	179	05:54:59.600	165DS4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,497,575:90:0	
1177	96	179	05:54:59.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1301.98 +/-	3R3	4	0	3,497,575:90:3	
1178	96	179	05:55:00.266	117DS105A106A4A	7STRP	-0.016001,0.0,0,	Slew =,0.03	3R3	4	0	3,497,576:00:0	
1179	**96**	**179**	**05:55:00.304**	**G1GNMIRRAY01-**	**NIMPBK**	**301DS**	**MIR A DARK RAYED CRATER**	**3R3**	**4**	**0**	**: :**	
1180	96	179	05:55:04.266	127DS11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,497,576:06:0	
1181	96	179	06:03:45.600	431NA6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	3R3	4	0	3,497,584:60:0	
1182	**96**	**179**	**06:03:53.637**	**G1GNMIRRAY01-**	**DESELC**	**300DS**	**MIR A DARK RAYED CRATER**	**3R3**	**4**	**0**	**: :**	
1183	96	179	06:03:55.600	175DS422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,497,584:75:0	
1184	96	179	06:03:55.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1427.56 +/-	3R3	4	0	3,497,584:75:0	
1185	96	179	06:03:55.600	117DS11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,497,584:75:0	
1186	96	179	06:03:55.600	175DS6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,497,584:75:0	
1187	96	179	06:03:57.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1427.62 +/-	3R3	4	0	3,497,584:77:1	
1188	**96**	**179**	**06:04:10.267**	**G1GNURUSUL01***		**-----START------**		**3R3**	**4**	**0**	**: :**	
1189	**96**	**179**	**06:04:10.267**	**G1GNMIRRAY01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
1190	96	179	06:04:35.600	165IM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,497,585:44:0	
1191	96	179	06:04:36.266	165IM4B	7SCAN	OVER,264.903999,	Check S/P Position	3R3	4	0	3,497,585:45:0	
1192	96	179	06:05:02.266	127FI	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,497,585:84:0	
1193	**96**	**179**	**06:05:02.266**	**127FI4A**	**37IOP**	**5,0**	**Short Map, Grating Start Position =00**	**3R5**	**4**	**0**	**3,497,585:84:0**	
1194	**96**	**179**	**06:05:02.933**	**127FI4B**	**37ETB**	**04,C4,0F,FF,FF**	**Loads wavelength edit table**	**3R5**	**4**	**0**	**3,497,585:85:0**	
1195	96	179	06:05:10.933	127FI11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R5	4	0	3,497,586:06:0	
1196	96	179	06:06:49.600		DMS:	: *US-RUNUP	R28, TRACK 3, FWD, TIC 1427.62 +/-	3R5	4	0	3,497,587:63:0	
1197	96	179	06:06:49.600	175KH422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R5	4	0	3,497,587:63:0	
1198	96	179	06:07:01.600	175KH176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R5	4	0	3,497,587:81:0	
1199	96	179	06:07:01.666		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *1430.51 +/-	3R5	4	0	3,497,587:81:1	
1200	96	179	06:07:02.933		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *1431.63 +/-	3R5	4	0	3,497,587:83:0	
1201	96	179	06:07:02.933	175TA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R5	4	0	3,497,587:83:0	
1202	96	179	06:07:04.333		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *1431.85 +/-	3R5	4	0	3,497,587:85:1	
1203	96	179	06:07:05.600	175TA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	3R5	4	0	3,497,587:87:0	
1204	96	179	06:07:05.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1431.97 +/-	3R5	4	0	3,497,587:87:3	
1205	96	179	06:07:08.266	431JB6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	3R5	4	0	3,497,588:00:0	
1206	96	179	06:07:48.266	428PA6A	6RCCLR			3R5	4	0	3,497,588:60:0	
1207	96	179	06:07:48.933	428PA6B	6RCSET		12	3R5	4	0	3,497,588:61:0	
1208	96	179	06:08:12.933	118IM	**SMOS**	GS		3R5	4	0	3,497,589:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	96	179	06:08:31.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1452.08 +/-	3R5	4	0	3,497,589:34:0	
1210	96	179	06:08:31.600	175IH422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	3R5	4	0	3,497,589:34:0	
1211	96	179	06:08:33.000		DMS:	: *RUNUP	R403, TRACK 3, FWD, TIC *1452.14 +/-	3R5	4	0	3,497,589:36:1	
1212	96	179	06:08:33.600	165IM4C	7VECT		Inert vect update UTC	3R5	4	0	3,497,589:37:0	
1213	96	179	06:08:34.266	165IM4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R5	4	0	3,497,589:38:0	
1214	96	179	06:08:36.266	175IH176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	3R5	4	0	3,497,589:41:0	
1215	96	179	06:08:36.800		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *1474.84 +/- 1	3R5	4	0	3,497,589:41:8	
1216	96	179	06:08:36.933	118IM110A111A4A	7STRP	-0.007,0.0,26,0,	Slew =,3.01	3R5	4	0	3,497,589:42:0	
1217	**96**	**179**	**06:08:36.970**	**G1GNURUSUL01***	**NIMPBK**	**301DR**	**NIMS RIDE WITH SSI ON URU**	**3R5**	**4**	**0**	**: :**	
1218	96	179	06:08:45.600	118IM110A111A4B	7STRP	0.0,-0.007001,0,	Slew =,7.01	3R5	4	0	3,497,589:55:0	
1219	96	179	06:08:54.266	118IM110A111A4C	7STRP	-0.007,0.0,26,0,	Slew =,3.01	3R5	4	0	3,497,589:68:0	
1220	96	179	06:09:02.933	165IN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R5	4	0	3,497,589:81:0	
1221	96	179	06:09:02.933	118IM11A	**SMOS**	GE		3R5	4	0	3,497,589:81:0	
1222	96	179	06:09:03.600	165IN4B	7SCAN	OVER,260.121998,	Check S/P Position	3R5	4	0	3,497,589:82:0	
1223	96	179	06:09:04.933	127EJ	NIMSTAB	GS	%%%%% GROUP START TAB	3R5	4	0	3,497,589:84:0	
1224	**96**	**179**	**06:09:05.600**	**127EJ4A**	**37ETB**	**04,C4,0F,FF,FF**	**Loads wavelength edit table**	**3R5**	**4**	**0**	**3,497,589:85:0**	
1225	**96**	**179**	**06:09:09.637**	**G1GNURUSUL01***	**DESELC**	**300DR**	**NIMS RIDE WITH SSI ON URU**	**3R5**	**4**	**0**	**: :**	
1226	96	179	06:09:10.266	118IN	**SMOS**	GS		3R5	4	0	3,497,590:01:0	
1227	**96**	**179**	**06:09:13.600**	**G1GNGREGIO01***		**-----START------**		**3R5**	**4**	**0**	**: :**	
1228	96	179	06:09:13.600	127EJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R5	4	0	3,497,590:06:0	
1229	**96**	**179**	**06:09:13.600**	**G1GNURUSUL01***		**-----STOP-------**		**3R5**	**4**	**0**	**: :**	
1230	96	179	06:09:14.266	428PB6A	6RCCLR			3R5	4	0	3,497,590:07:0	
1231	96	179	06:09:14.933	428PB6B	6RCSET		11	3R5	4	0	3,497,590:08:0	
1232	**96**	**179**	**06:09:16.303**	**G1GNGREGIO01***	**NIMPBK**	**301EJ**	**NIMS RIDE WITH SSI ON GALILEO RE**	**3R5**	**4**	**0**	**: :**	
1233	96	179	06:09:16.933	165IN4C	7VECT		Inert vect update UTC	3R5	4	0	3,497,590:11:0	
1234	96	179	06:09:17.600	165IN4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R5	4	0	3,497,590:12:0	
1235	96	179	06:09:20.266	118IN110A111A4A	7STRP	0.007,0.0,26,0,0	Slew =,3.01	3R5	4	0	3,497,590:16:0	
1236	96	179	06:09:28.933	118IN110A111A4B	7STRP	0.0,0.007001,0,0	Slew =0,5.0	3R5	4	0	3,497,590:29:0	
1237	96	179	06:09:37.600	118IN110A111A4C	7STRP	0.007,0.0,26,0,0	Slew =,3.01	3R5	4	0	3,497,590:42:0	
1238	96	179	06:09:46.266	118IN11A	**SMOS**	GE		3R5	4	0	3,497,590:55:0	
1239	**96**	**179**	**06:09:50.303**	**G1GNGREGIO01***	**DESELC**	**300EJ**	**NIMS RIDE WITH SSI ON GALILEO RE**	**3R5**	**4**	**0**	**: :**	
1240	96	179	06:09:51.600	165CX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R5	4	0	3,497,590:63:0	
1241	96	179	06:09:52.266	165CX4B	7SCAN	NORM,313.035,-38	Check S/P Position	3R5	4	0	3,497,590:64:0	
1242	96	179	06:09:52.933	175TB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R5	4	0	3,497,590:65:0	
1243	96	179	06:09:52.933		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *2411.63 +/- 1	3R5	4	0	3,497,590:65:0	
1244	96	179	06:09:56.066		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2415.63 +/- 1	3R5	4	0	3,497,590:69:7	
1245	96	179	06:09:56.933	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	3R5	4	0	3,497,590:71:0	
1246	96	179	06:09:57.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2415.75 +/- 1	3R5	4	0	3,497,590:71:9	
1247	**96**	**179**	**06:10:14.267**	**G1GNGREGIO01***		**-----STOP-------**		**3R5**	**4**	**0**	**: :**	
1248	96	179	06:15:12.933	428PC6A	6RCCLR			3R5	4	0	3,497,595:90:0	
1249	96	179	06:15:13.600	428PC6B	6RCSET		12	3R5	4	0	3,497,596:00:0	
1250	96	179	06:18:14.266	165IX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R5	4	0	3,497,598:89:0	
1251	96	179	06:18:14.933	165IX4B	7SCAN	OVER,266.052998,	Check S/P Position	3R5	4	0	3,497,598:90:0	
1252	96	179	06:19:11.600	127FT	NIMSTAB	GS	%%%%% GROUP START TAB	3R5	4	0	3,497,599:84:0	
1253	**96**	**179**	**06:19:12.266**	**127FT4A**	**37ETB**	**04,C4,0F,FF,FF**	**Loads wavelength edit table**	**3R5**	**4**	**0**	**3,497,599:85:0**	
1254	96	179	06:19:20.266	127FT11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R5	4	0	3,497,600:06:0	
1255	**96**	**179**	**06:19:20.267**	**G1GNMEMPHI01***		**-----START------**		**3R5**	**4**	**0**	**: :**	
1256	96	179	06:20:08.933	118IX	**SMOS**	GS		3R5	4	0	3,497,600:79:0	
1257	96	179	06:20:12.266	175II422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	3R5	4	0	3,497,600:84:0	
1258	96	179	06:20:12.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2559.83 +/- 1	3R5	4	0	3,497,600:84:0	
1259	96	179	06:20:13.666		DMS:	: *RUNUP	R115, TRACK 3, FWD, TIC *2559.89 +/- 1	3R5	4	0	3,497,600:86:1	
1260	96	179	06:20:15.600	165IX4C	7VECT		Inert vect update UTC	3R5	4	0	3,497,600:89:0	
1261	96	179	06:20:16.266	165IX4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R5	4	0	3,497,600:90:0	
1262	96	179	06:20:17.600	175II176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	3R5	4	0	3,497,601:01:0	
1263	96	179	06:20:17.666		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2566.16 +/- 1	3R5	4	0	3,497,601:01:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	96	179	06:20:18.933	118IX110A111A4A	7STRP	0.00575,-0.001,4	Slew =,3.01	3R5	4	0	3,497,601:03:0	
1265	**96**	**179**	**06:20:20.970**	**G1GNMEMPHI01***	**NIMPBK**	**301FT**	**NIMS RIDE WITH SSI ON MEMPHIS**	**3R5**	**4**	**0**	**: :**	
1266	**96**	**179**	**06:21:05.637**	**G1GNMEMPHI01***	**DESELC**	**300FT**	**NIMS RIDE WITH SSI ON MEMPHIS**	**3R5**	**4**	**0**	**: :**	
1267	**96**	**179**	**06:21:12.933**	**127DU4A**	**37IOP**	**7,1**	**Fixed Map, Grating Start Position =01**	**3R7**	**4**	**1**	**3,497,601:84:0**	
1268	96	179	06:21:12.933	127DU	NIMSTAB	GS	%%%%% GROUP START TAB	3R7	4	1	3,497,601:84:0	
1269	**96**	**179**	**06:21:13.600**	**127DU4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**3R7**	**4**	**1**	**3,497,601:85:0**	
1270	96	179	06:21:16.933	428PD6A	6RCCLR			3R7	4	1	3,497,601:90:0	
1271	96	179	06:21:17.600	428PD6B	6RCSET	8		3R7	4	1	3,497,602:00:0	
1272	96	179	06:21:21.600	127DU11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R7	4	1	3,497,602:06:0	
1273	96	179	06:21:35.600	118IX110A111B4A	7STRP	0.0065,-0.00375,	Slew =,3.01	3R7	4	1	3,497,602:27:0	
1274	96	179	06:21:50.933	118IX110A111B4B	7STRP	0.00575,-0.001,4	Slew =,3.01	3R7	4	1	3,497,602:50:0	
1275	96	179	06:22:06.266	118IX11A	**SMOS**	GE		3R7	4	1	3,497,602:73:0	
1276	96	179	06:22:13.600	125DU	NIMSINIT	GS	##### GROUP START INIT	3R7	4	1	3,497,602:84:0	
1277	**96**	**179**	**06:22:13.600**	**125DU4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R7**	**4**	**1**	**3,497,602:84:0**	
1278	96	179	06:22:18.266	175TC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,603:00:0	
1279	96	179	06:22:18.266		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2990.15 +/- 1	4R7	4	1	3,497,603:00:0	
1280	96	179	06:22:19.666		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2991.06 +/- 1	4R7	4	1	3,497,603:02:1	
1281	96	179	06:22:20.933	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R7	4	1	3,497,603:04:0	
1282	96	179	06:22:21.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2991.18 +/- 1	4R7	4	1	3,497,603:04:3	
1283	96	179	06:22:21.600	165CY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	1	3,497,603:05:0	
1284	96	179	06:22:22.266	165CY4B	7SCAN	NORM,29.117,-32.	Check S/P Position	4R7	4	1	3,497,603:06:0	
1285	**96**	**179**	**06:22:22.267**	**G1GNLIMBSC02***		**-----START------**		**4R7**	**4**	**1**	**: :**	
1286	**96**	**179**	**06:22:22.267**	**G1GNMEMPHI01***		**-----STOP-------**		**4R7**	**4**	**1**	**: :**	
1287	96	179	06:23:14.266	125DU11A	NIMSINIT	GE	##### GROUP END INIT	4R7	4	1	3,497,603:84:0	
1288	**96**	**179**	**06:23:14.266**	**125DU4B**	**37MPT**	**1,1,1**	**Modify Parameter Table (affects scanning m**	**4R7**	**4**	**1**	**3,497,603:84:0**	
1289	96	179	06:23:18.266	428PE6A	6RCCLR			4R7	4	1	3,497,603:90:0	
1290	96	179	06:23:18.933	428PE6B	6RCSET	12		4R7	4	1	3,497,604:00:0	
1291	96	179	06:24:03.600	488AP6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R7	4	1	3,497,604:67:0	
1292	96	179	06:24:13.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3017.54 +/- 1	4R7	4	1	3,497,604:82:0	
1293	96	179	06:24:13.600	175CA422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R7	4	1	3,497,604:82:0	
1294	96	179	06:24:15.000		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *3017.60 +/- 1	4R7	4	1	3,497,604:84:1	
1295	96	179	06:24:18.933	175CA176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R7	4	1	3,497,604:90:0	
1296	96	179	06:24:19.000		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *3019.10 +/- 1	4R7	4	1	3,497,604:90:1	
1297	**96**	**179**	**06:24:19.637**	**G1GNLIMBSC02***	**NIMPBK**	**301DU**	**LIMB SCAN FOR ATMOSPHERE**	**4R7**	**4**	**1**	**: :**	
1298	96	179	06:25:49.600	428PF6A	6RCCLR			4R7	4	1	3,497,606:44:0	
1299	96	179	06:25:50.266	428PF6B	6RCSET	8		4R7	4	1	3,497,606:45:0	
1300	96	179	06:27:20.266	165IP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	1	3,497,607:89:0	
1301	96	179	06:27:20.933	165IP4B	7SCAN	NORM,9.929,-34.2	Check S/P Position	4R7	4	1	3,497,607:90:0	
1302	96	179	06:27:21.600		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *3179.59 +/- 1	4R7	4	1	3,497,608:00:0	
1303	96	179	06:27:21.600	175TD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,608:00:0	
1304	96	179	06:27:23.000		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3179.81 +/- 1	4R7	4	1	3,497,608:02:1	
1305	96	179	06:27:24.266	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R7	4	1	3,497,608:04:0	
1306	96	179	06:27:24.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3179.93 +/- 1	4R7	4	1	3,497,608:04:3	
1307	**96**	**179**	**06:27:24.970**	**G1GNLIMBSC02***	**DESELC**	**300DU**	**LIMB SCAN FOR ATMOSPHERE**	**4R7**	**4**	**1**	**: :**	
1308	**96**	**179**	**06:27:25.600**	**G1GNLIMBSC02***		**-----STOP-------**		**4R7**	**4**	**1**	**: :**	
1309	96	179	06:29:23.600	428PG6A	6RCCLR			4R7	4	1	3,497,610:01:0	
1310	96	179	06:29:24.266	428PG6B	6RCSET	12		4R7	4	1	3,497,610:02:0	
1311	96	179	06:30:00.266	488AP6C	6TMSED	FILL,BL3	Sci, Eng, and D/L Chan	4R7	4	1	3,497,610:56:0	
1312	96	179	06:31:16.266	118IP	**SMOS**	GS		4R7	4	1	3,497,611:79:0	
1313	96	179	06:31:16.266	488AP6D	6TMSED	NORM,BL3	Sci, Eng, and D/L Chan	4R7	4	1	3,497,611:79:0	
1314	96	179	06:31:20.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3235.35 +/- 1	4R7	4	1	3,497,611:86:0	
1315	96	179	06:31:20.933	175IJ422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	4R7	4	1	3,497,611:86:0	
1316	96	179	06:31:22.333		DMS:	: *RUNUP	R403, TRACK 3, FWD, TIC *3235.41 +/- 1	4R7	4	1	3,497,611:88:1	
1317	96	179	06:31:22.933	165IP4C	7VECT		Inert vect update UTC	4R7	4	1	3,497,611:89:0	
1318	96	179	06:31:23.600	165IP4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	4R7	4	1	3,497,611:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	96	179	06:31:25.600	175IJ176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	4R7	4	1	3,497,612:02:0	
1320	96	179	06:31:26.133		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *3258.11 +/- 1	4R7	4	1	3,497,612:02:8	
1321	96	179	06:31:26.266	118IP110A111A4A	7STRP	0.007,0.0,26,0,0	Slew =,3.01	4R7	4	1	3,497,612:03:0	
1322	96	179	06:31:43.600	428PH6A	6RCCLR			4R7	4	1	3,497,612:29:0	
1323	96	179	06:31:44.266	428PH6B	6RCSET	11		4R7	4	1	3,497,612:30:0	
1324	96	179	06:31:52.266	118IP11A	**SMOS**	GE		4R7	4	1	3,497,612:42:0	
1325	96	179	06:31:58.933	175TE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,612:52:0	
1326	96	179	06:31:58.933		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *3661.71 +/- 1	4R7	4	1	3,497,612:52:0	
1327	96	179	06:32:02.066		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3665.71 +/- 1	4R7	4	1	3,497,612:56:7	
1328	96	179	06:32:02.933	175TE176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R7	4	1	3,497,612:58:0	
1329	96	179	06:32:03.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3665.83 +/- 1	4R7	4	1	3,497,612:58:9	
1330	96	179	06:32:23.600	165CZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	1	3,497,612:89:0	
1331	96	179	06:32:24.266	165CZ4B	7SCAN	NORM,359.752998,	Check S/P Position	4R7	4	1	3,497,612:90:0	
1332	96	179	06:39:29.600	428PI6A	6RCCLR			4R7	4	1	3,497,620:00:0	
1333	96	179	06:42:30.266	165HE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	1	3,497,622:89:0	
1334	96	179	06:42:30.933	165HE4B	7SCAN	NORM,48.58,-2.97	Check S/P Position	4R7	4	1	3,497,622:90:0	
1335	96	179	06:43:30.266	117HE	**CSMOS**	GS	***** GROUP START CSMOS	4R7	4	1	3,497,623:88:0	
1336	96	179	06:43:38.266	165HE4C	7VECT		Inert vect update UTC	4R7	4	1	3,497,624:09:0	
1337	96	179	06:43:38.933	165HE4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	4R7	4	1	3,497,624:10:0	
1338	96	179	06:43:39.600	117HE105A106A4A	7STRP	0.034013,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,624:11:0	
1339	96	179	06:44:02.933	117HE105A106A4B	7STRP	-0.034263,0.0016	Slew =12.01	4R7	4	1	3,497,624:46:0	
1340	96	179	06:44:08.933	117HE105A106A4C	7STRP	0.034013,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,624:55:0	
1341	96	179	06:44:32.266	117HE105A106A4D	7STRP	-0.034263,0.0016	Slew =12.01	4R7	4	1	3,497,624:90:0	
1342	96	179	06:44:38.266	117HE105A106A4E	7STRP	0.034013,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,625:08:0	
1343	96	179	06:45:01.600	117HE105A106A4F	7STRP	-0.034263,0.0016	Slew =12.01	4R7	4	1	3,497,625:43:0	
1344	96	179	06:45:07.600	117HE105A106A4G	7STRP	0.034013,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,625:52:0	
1345	96	179	06:45:30.933	117HE105A106A4H	7STRP	-0.034263,0.0016	Slew =12.01	4R7	4	1	3,497,625:87:0	
1346	96	179	06:45:36.933	117HE105A106A4I	7STRP	0.034013,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,626:05:0	
1347	96	179	06:46:00.266	117HE105A106A4J	7STRP	-0.034263,0.0016	Slew =12.01	4R7	4	1	3,497,626:40:0	
1348	96	179	06:46:06.266	117HE105A106A4K	7STRP	0.034013,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,626:49:0	
1349	96	179	06:46:29.600	117HE105A106A4L	7STRP	-0.034263,0.0016	Slew =12.01	4R7	4	1	3,497,626:84:0	
1350	96	179	06:46:35.600	117HE105A106A4M	7STRP	0.034013,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,627:02:0	
1351	96	179	06:46:58.933	117HE105A106A4N	7STRP	-0.034263,0.0016	Slew =12.01	4R7	4	1	3,497,627:37:0	
1352	96	179	06:47:04.933	117HE105A106A4O	7STRP	0.034013,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,627:46:0	
1353	96	179	06:47:28.266	117HE105A106A4P	7STRP	-0.034263,0.0016	Slew =12.01	4R7	4	1	3,497,627:81:0	
1354	96	179	06:47:34.266	117HE105A106A4Q	7STRP	0.034013,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,627:90:0	
1355	96	179	06:47:57.600	117HE105A106A4R	7STRP	-0.034263,0.0016	Slew =12.01	4R7	4	1	3,497,628:34:0	
1356	96	179	06:48:03.600	117HE105A106A4S	7STRP	0.034013,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,628:43:0	
1357	96	179	06:48:26.933	117HE105A106B4A	7STRP	-0.030009,0.0016	Slew =12.01	4R7	4	1	3,497,628:78:0	
1358	96	179	06:48:32.933	117HE105A106B4B	7STRP	0.029659,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,628:87:0	
1359	96	179	06:48:53.600	117HE105A106B4C	7STRP	-0.030009,0.0016	Slew =12.01	4R7	4	1	3,497,629:27:0	
1360	96	179	06:48:59.600	117HE105A106B4D	7STRP	0.029659,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,629:36:0	
1361	96	179	06:49:20.266	117HE105A106B4E	7STRP	-0.030009,0.0016	Slew =12.01	4R7	4	1	3,497,629:67:0	
1362	96	179	06:49:26.266	117HE105A106B4F	7STRP	0.029659,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,629:76:0	
1363	96	179	06:49:46.933	117HE105A106B4G	7STRP	-0.030009,0.0016	Slew =12.01	4R7	4	1	3,497,630:16:0	
1364	96	179	06:49:52.933	117HE105A106B4H	7STRP	0.029659,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,630:25:0	
1365	96	179	06:50:13.600	117HE105A106B4I	7STRP	-0.030009,0.0016	Slew =12.01	4R7	4	1	3,497,630:56:0	
1366	96	179	06:50:19.600	117HE105A106B4J	7STRP	0.029659,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,630:65:0	
1367	96	179	06:50:40.266	117HE105A106B4K	7STRP	-0.030009,0.0016	Slew =12.01	4R7	4	1	3,497,631:05:0	
1368	96	179	06:50:46.266	117HE105A106B4L	7STRP	0.029659,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,631:14:0	
1369	96	179	06:51:06.933	117HE105A106B4M	7STRP	-0.030009,0.0016	Slew =12.01	4R7	4	1	3,497,631:45:0	
1370	96	179	06:51:12.933	117HE105A106B4N	7STRP	0.029659,0.0,0,0	Slew =,1.76	4R7	4	1	3,497,631:54:0	
1371	96	179	06:51:33.600	117HE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R7	4	1	3,497,631:85:0	
1372	96	179	06:52:36.266	432JB431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	4R7	4	1	3,497,632:88:0	
1373	96	179	06:52:36.933	432JB6A	6RTSL1		R/T Select of DDS and	4R7	4	1	3,497,632:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	96	179	06:52:38.266	432JC431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R7	4	1	3,497,633:00:0	
1375	96	179	06:52:38.933	432JC6A	6RTSL1		R/T Select of DDS and	4R7	4	1	3,497,633:01:0	
1376	96	179	06:52:40.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3955.69 +/- 1	4R7	4	1	3,497,633:03:0	
1377	96	179	06:52:40.266	175TE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,633:03:0	
1378	96	179	06:52:41.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3955.75 +/- 1	4R7	4	1	3,497,633:05:1	
1379	96	179	06:54:18.266	432NA431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R7	4	1	3,497,634:59:0	
1380	96	179	06:54:18.933	432NA6A	6RTSL1		R/T Select of DDS and	4R7	4	1	3,497,634:60:0	
1381	96	179	07:41:08.933	165GF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	1	3,497,680:89:0	
1382	96	179	07:41:09.600	165GF4B	7SCAN	NORM,70.122,18.5	Check S/P Position	4R7	4	1	3,497,680:90:0	
1383	96	179	07:45:03.600	117GF	**CSMOS**	GS	***** GROUP START CSMOS	4R7	4	1	3,497,684:77:0	
1384	96	179	07:45:12.933	117GF105A106A4A	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,685:00:0	
1385	96	179	07:45:12.933	176GF6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R7	4	1	3,497,685:00:0	
1386	96	179	07:45:52.933	117GF105A106A4B	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,685:60:0	
1387	96	179	07:45:58.933	117GF105A106A4C	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,685:69:0	
1388	96	179	07:46:38.933	117GF105A106A4D	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,686:38:0	
1389	96	179	07:46:44.933	117GF105A106A4E	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,686:47:0	
1390	96	179	07:47:24.933	117GF105A106A4F	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,687:16:0	
1391	96	179	07:47:30.933	117GF105A106A4G	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,687:25:0	
1392	96	179	07:48:10.933	117GF105A106A4H	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,687:85:0	
1393	96	179	07:48:16.933	117GF105A106A4I	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,688:03:0	
1394	96	179	07:48:56.933	117GF105A106A4J	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,688:63:0	
1395	96	179	07:49:02.933	117GF105A106A4K	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,688:72:0	
1396	96	179	07:49:42.933	117GF105A106A4L	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,689:41:0	
1397	96	179	07:49:48.933	117GF105A106A4M	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,689:50:0	
1398	96	179	07:50:28.933	117GF105A106A4N	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,690:19:0	
1399	96	179	07:50:34.933	117GF105A106A4O	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,690:28:0	
1400	96	179	07:51:14.933	117GF105A106A4P	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,690:88:0	
1401	96	179	07:51:20.933	117GF105A106A4Q	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,691:06:0	
1402	96	179	07:52:00.933	117GF105A106A4R	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,691:66:0	
1403	96	179	07:52:06.933	117GF105A106A4S	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,691:75:0	
1404	96	179	07:52:46.933	117GF105A106A4T	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,692:44:0	
1405	96	179	07:52:52.933	117GF105A106A4U	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,692:53:0	
1406	96	179	07:53:32.933	117GF105A106A4V	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,693:22:0	
1407	96	179	07:53:38.933	117GF105A106A4W	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,693:31:0	
1408	96	179	07:54:18.933	117GF105A106A4X	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,694:00:0	
1409	96	179	07:54:24.933	117GF105A106A4Y	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,694:09:0	
1410	96	179	07:55:04.933	117GF105A106A4Z	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,694:69:0	
1411	96	179	07:55:10.933	117GF105A106A4AA	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,694:78:0	
1412	96	179	07:55:50.933	117GF105A106A4AB	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,695:47:0	
1413	96	179	07:55:56.933	117GF105A106A4AC	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,695:56:0	
1414	96	179	07:56:36.933	117GF105A106A4AD	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,696:25:0	
1415	96	179	07:56:42.933	117GF105A106A4AE	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,696:34:0	
1416	96	179	07:57:22.933	117GF105A106A4AF	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,697:03:0	
1417	96	179	07:57:28.933	117GF105A106A4AG	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,697:12:0	
1418	96	179	07:57:55.600	488AP6E	6TMSED	NORM,BL2	Sci, Eng, and D/L Chan	4R7	4	1	3,497,697:52:0	
1419	96	179	07:58:08.933	117GF105A106A4AH	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,697:72:0	
1420	96	179	07:58:14.933	117GF105A106A4AI	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,697:81:0	
1421	96	179	07:58:54.933	117GF105A106A4AJ	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,698:50:0	
1422	96	179	07:59:00.933	117GF105A106A4AK	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,698:59:0	
1423	96	179	07:59:27.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 3955.75 +/- 1	4R7	4	1	3,497,699:08:0	
1424	96	179	07:59:27.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,699:08:0	
1425	96	179	07:59:35.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3957.44 +/- 1	4R7	4	1	3,497,699:20:3	
1426	96	179	07:59:40.933	117GF105A106A4AL	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,699:28:0	
1427	96	179	07:59:46.933	117GF105A106A4AM	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,699:37:0	
1428	96	179	07:59:56.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3962.24 +/- 1	4R7	4	1	3,497,699:51:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	96	179	07:59:56.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,699:51:0	
1430	96	179	07:59:57.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3962.30 +/- 1	4R7	4	1	3,497,699:53:1	
1431	96	179	08:00:26.933	117GF105A106A4AN	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,700:06:0	
1432	96	179	08:00:32.933	117GF105A106A4AO	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,700:15:0	
1433	96	179	08:01:12.933	117GF105A106A4AP	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,700:75:0	
1434	96	179	08:01:18.933	117GF105A106A4AQ	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,700:84:0	
1435	96	179	08:01:58.933	117GF105A106A4AR	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,701:53:0	
1436	96	179	08:02:04.933	117GF105A106A4AS	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,701:62:0	
1437	96	179	08:02:44.933	117GF105A106A4AT	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,702:31:0	
1438	96	179	08:02:50.933	117GF105A106A4AU	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,702:40:0	
1439	96	179	08:03:30.933	117GF105A106A4AV	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,703:09:0	
1440	96	179	08:03:36.933	117GF105A106A4AW	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,703:18:0	
1441	96	179	08:04:16.933	117GF105A106A4AX	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,703:78:0	
1442	96	179	08:04:22.933	117GF105A106A4AY	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,703:87:0	
1443	96	179	08:05:02.933	117GF105A106A4AZ	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,704:56:0	
1444	96	179	08:05:08.933	117GF105A106A4BA	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,704:65:0	
1445	96	179	08:05:48.933	117GF105A106A4BB	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,705:34:0	
1446	96	179	08:05:54.933	117GF105A106A4BC	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,705:43:0	
1447	96	179	08:06:34.933	117GF105A106A4BD	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,706:12:0	
1448	96	179	08:06:40.933	117GF105A106A4BE	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,706:21:0	
1449	96	179	08:07:20.933	117GF105A106A4BF	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,706:81:0	
1450	96	179	08:07:26.933	117GF105A106A4BG	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,706:90:0	
1451	96	179	08:08:06.933	117GF105A106A4BH	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,707:59:0	
1452	96	179	08:08:12.933	117GF105A106A4BI	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,707:68:0	
1453	96	179	08:08:52.933	117GF105A106A4BJ	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,708:37:0	
1454	96	179	08:08:58.933	117GF105A106A4BK	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,708:46:0	
1455	96	179	08:09:38.933	117GF105A106A4BL	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,709:15:0	
1456	96	179	08:09:44.933	117GF105A106A4BM	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,709:24:0	
1457	96	179	08:10:24.933	117GF105A106A4BN	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,709:84:0	
1458	96	179	08:10:30.933	117GF105A106A4BO	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,710:02:0	
1459	96	179	08:11:10.933	117GF105A106A4BP	7STRP	-0.014851,0.0012	Slew =,8.01	4R7	4	1	3,497,710:62:0	
1460	96	179	08:11:16.933	117GF105A106A4BQ	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,710:71:0	
1461	96	179	08:11:56.933	117GF105A106B4A	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,711:40:0	
1462	96	179	08:12:02.933	117GF105A106B4B	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,711:49:0	
1463	96	179	08:12:42.933	117GF105A106B4C	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,712:18:0	
1464	96	179	08:12:48.933	117GF105A106B4D	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,712:27:0	
1465	96	179	08:13:28.933	117GF105A106B4E	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,712:87:0	
1466	96	179	08:13:34.933	117GF105A106B4F	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,713:05:0	
1467	96	179	08:13:52.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,713:31:0	
1468	96	179	08:13:52.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 3962.30 +/- 1	4R7	4	1	3,497,713:31:0	
1469	96	179	08:14:00.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3964.00 +/- 1	4R7	4	1	3,497,713:43:3	
1470	96	179	08:14:14.933	117GF105A106B4G	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,713:65:0	
1471	96	179	08:14:20.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,713:74:0	
1472	96	179	08:14:20.933	117GF105A106B4H	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,713:74:0	
1473	96	179	08:14:20.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3968.79 +/- 1	4R7	4	1	3,497,713:74:0	
1474	96	179	08:14:22.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3968.85 +/- 1	4R7	4	1	3,497,713:76:1	
1475	96	179	08:15:00.933	117GF105A106B4I	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,714:43:0	
1476	96	179	08:15:06.933	117GF105A106B4J	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,714:52:0	
1477	96	179	08:15:46.933	117GF105A106B4K	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,715:21:0	
1478	96	179	08:15:52.933	117GF105A106B4L	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,715:30:0	
1479	96	179	08:16:32.933	117GF105A106B4M	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,715:90:0	
1480	96	179	08:16:38.933	117GF105A106B4N	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,716:08:0	
1481	96	179	08:17:18.933	117GF105A106B4O	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,716:68:0	
1482	96	179	08:17:24.933	117GF105A106B4P	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,716:77:0	
1483	96	179	08:18:04.933	117GF105A106B4Q	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,717:46:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	96	179	08:18:10.933	117GF105A106B4R	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,717:55:0	
1485	96	179	08:18:50.933	117GF105A106B4S	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,718:24:0	
1486	96	179	08:18:56.933	117GF105A106B4T	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,718:33:0	
1487	96	179	08:19:36.933	117GF105A106B4U	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,719:02:0	
1488	96	179	08:19:42.933	117GF105A106B4V	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,719:11:0	
1489	96	179	08:20:22.933	117GF105A106B4W	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,719:71:0	
1490	96	179	08:20:28.933	117GF105A106B4X	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,719:80:0	
1491	96	179	08:21:08.933	117GF105A106B4Y	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,720:49:0	
1492	96	179	08:21:14.933	117GF105A106B4Z	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,720:58:0	
1493	96	179	08:21:54.933	117GF105A106B4AA	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,721:27:0	
1494	96	179	08:22:00.933	117GF105A106B4AB	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,721:36:0	
1495	96	179	08:22:40.933	117GF105A106B4AC	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,722:05:0	
1496	96	179	08:22:46.933	117GF105A106B4AD	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,722:14:0	
1497	96	179	08:23:26.933	117GF105A106B4AE	7STRP	-0.015201,0.0012	Slew =,8.01	4R7	4	1	3,497,722:74:0	
1498	96	179	08:23:32.933	117GF105A106B4AF	7STRP	0.015001,0.0,0,0	Slew =,0.41	4R7	4	1	3,497,722:83:0	
1499	96	179	08:24:12.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,723:52:0	
1500	96	179	08:24:12.933	117GF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R7	4	1	3,497,723:52:0	
1501	96	179	08:24:12.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 3968.85 +/- 1	4R7	4	1	3,497,723:52:0	
1502	96	179	08:24:12.933	176GF6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R7	4	1	3,497,723:52:0	
1503	96	179	08:24:21.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3970.55 +/- 1	4R7	4	1	3,497,723:64:3	
1504	96	179	08:24:37.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,723:89:0	
1505	96	179	08:24:37.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3974.41 +/- 1	4R7	4	1	3,497,723:89:0	
1506	96	179	08:24:39.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3974.47 +/- 1	4R7	4	1	3,497,724:00:1	
1507	96	179	08:28:42.933	165GH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	1	3,497,728:02:0	
1508	96	179	08:28:43.600	165GH4B	7SCAN	NORM,75.466999,1	Check S/P Position	4R7	4	1	3,497,728:03:0	
1509	96	179	08:32:37.600	117GH	**CSMOS**	GS	***** GROUP START CSMOS	4R7	4	1	3,497,731:81:0	
1510	96	179	08:32:46.933	176GH6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R7	4	1	3,497,732:04:0	
1511	96	179	08:32:46.933	117GH105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,1.16	4R7	4	1	3,497,732:04:0	
1512	96	179	08:33:10.266	117GH11A	**CSMOS**	GE	***** GROUP END CSMOS	4R7	4	1	3,497,732:39:0	
1513	96	179	08:33:20.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,732:54:0	
1514	96	179	08:33:20.266	176GH6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R7	4	1	3,497,732:54:0	
1515	96	179	08:33:20.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 3974.47 +/- 1	4R7	4	1	3,497,732:54:0	
1516	96	179	08:33:28.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3976.16 +/- 1	4R7	4	1	3,497,732:66:3	
1517	96	179	08:33:36.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,732:78:0	
1518	96	179	08:33:36.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3977.99 +/- 1	4R7	4	1	3,497,732:78:0	
1519	96	179	08:33:37.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3978.05 +/- 1	4R7	4	1	3,497,732:80:1	
1520	96	179	08:40:35.600	488AQ6A	6TMSED	NORM,BL3	Sci, Eng, and D/L Chan	4R7	4	1	3,497,739:70:0	
1521	96	179	08:55:40.266	165GG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	1	3,497,754:62:0	
1522	96	179	08:55:40.933	165GG4B	7SCAN	NORM,74.0,18.615	Check S/P Position	4R7	4	1	3,497,754:63:0	
1523	96	179	08:58:52.266	117GG	**CSMOS**	GS	***** GROUP START CSMOS	4R7	4	1	3,497,757:77:0	
1524	96	179	08:59:01.600	176GG6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R7	4	1	3,497,758:00:0	
1525	96	179	08:59:01.600	117GG105A106A4A	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,758:00:0	
1526	96	179	09:01:14.933	117GG105A106A4B	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,760:18:0	
1527	96	179	09:01:22.266	117GG105A106A4C	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,760:29:0	
1528	96	179	09:03:35.600	117GG105A106A4D	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,762:47:0	
1529	96	179	09:03:42.933	117GG105A106A4E	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,762:58:0	
1530	96	179	09:05:56.266	117GG105A106A4F	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,764:76:0	
1531	96	179	09:06:03.600	117GG105A106A4G	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,764:87:0	
1532	96	179	09:08:16.933	117GG105A106A4H	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,767:14:0	
1533	96	179	09:08:24.266	117GG105A106A4I	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,767:25:0	
1534	96	179	09:10:37.600	117GG105A106A4J	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,769:43:0	
1535	96	179	09:10:44.933	117GG105A106A4K	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,769:54:0	
1536	96	179	09:12:58.266	117GG105A106A4L	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,771:72:0	
1537	96	179	09:13:05.600	117GG105A106A4M	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,771:83:0	
1538	96	179	09:13:16.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,772:08:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	96	179	09:13:16.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 3978.05 +/- 1	4R7	4	1	3,497,772:08:0	
1540	96	179	09:13:24.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3979.75 +/- 1	4R7	4	1	3,497,772:20:3	
1541	96	179	09:13:44.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3984.55 +/- 1	4R7	4	1	3,497,772:51:0	
1542	96	179	09:13:44.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,772:51:0	
1543	96	179	09:13:46.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3984.61 +/- 1	4R7	4	1	3,497,772:53:1	
1544	96	179	09:15:18.933	117GG105A106A4N	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,774:10:0	
1545	96	179	09:15:26.266	117GG105A106A4O	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,774:21:0	
1546	96	179	09:17:39.600	117GG105A106A4P	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,776:39:0	
1547	96	179	09:17:46.933	117GG105A106A4Q	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,776:50:0	
1548	96	179	09:20:00.266	117GG105A106A4R	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,778:68:0	
1549	96	179	09:20:07.600	117GG105A106A4S	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,778:79:0	
1550	96	179	09:22:20.933	117GG105A106A4T	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,781:06:0	
1551	96	179	09:22:28.266	117GG105A106A4U	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,781:17:0	
1552	96	179	09:24:41.600	117GG105A106A4V	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,783:35:0	
1553	96	179	09:24:48.933	117GG105A106A4W	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,783:46:0	
1554	96	179	09:27:02.266	117GG105A106A4X	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,785:64:0	
1555	96	179	09:27:09.600	117GG105A106A4Y	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,785:75:0	
1556	96	179	09:27:40.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 3984.61 +/- 1	4R7	4	1	3,497,786:31:0	
1557	96	179	09:27:40.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,786:31:0	
1558	96	179	09:27:49.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3986.30 +/- 1	4R7	4	1	3,497,786:43:3	
1559	96	179	09:28:09.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3991.10 +/- 1	4R7	4	1	3,497,786:74:0	
1560	96	179	09:28:09.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,786:74:0	
1561	96	179	09:28:11.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3991.16 +/- 1	4R7	4	1	3,497,786:76:1	
1562	96	179	09:29:22.933	117GG105A106A4Z	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,788:02:0	
1563	96	179	09:29:30.266	117GG105A106A4AA	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,788:13:0	
1564	96	179	09:31:43.600	117GG105A106A4AB	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,790:31:0	
1565	96	179	09:31:50.933	117GG105A106A4AC	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,790:42:0	
1566	96	179	09:34:04.266	117GG105A106A4AD	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,792:60:0	
1567	96	179	09:34:11.600	117GG105A106A4AE	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,792:71:0	
1568	96	179	09:36:24.933	117GG105A106A4AF	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,794:89:0	
1569	96	179	09:36:32.266	117GG105A106A4AG	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,795:09:0	
1570	96	179	09:38:45.600	117GG105A106A4AH	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,797:27:0	
1571	96	179	09:38:52.933	117GG105A106A4AI	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,797:38:0	
1572	96	179	09:41:06.266	117GG105A106A4AJ	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,799:56:0	
1573	96	179	09:41:13.600	117GG105A106A4AK	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,799:67:0	
1574	96	179	09:42:05.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 3991.16 +/- 1	4R7	4	1	3,497,800:54:0	
1575	96	179	09:42:05.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,800:54:0	
1576	96	179	09:42:13.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3992.85 +/- 1	4R7	4	1	3,497,800:66:3	
1577	96	179	09:42:34.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3997.65 +/- 1	4R7	4	1	3,497,801:06:0	
1578	96	179	09:42:34.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,801:06:0	
1579	96	179	09:42:35.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3997.71 +/- 1	4R7	4	1	3,497,801:08:1	
1580	96	179	09:43:26.933	117GG105A106A4AL	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,801:85:0	
1581	96	179	09:43:34.266	117GG105A106A4AM	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,802:05:0	
1582	96	179	09:45:47.600	117GG105A106A4AN	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,804:23:0	
1583	96	179	09:45:54.933	117GG105A106A4AO	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,804:34:0	
1584	96	179	09:48:08.266	117GG105A106A4AP	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,806:52:0	
1585	96	179	09:48:15.600	117GG105A106A4AQ	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,806:63:0	
1586	96	179	09:50:28.933	117GG105A106A4AR	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,808:81:0	
1587	96	179	09:50:36.266	117GG105A106A4AS	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,809:01:0	
1588	96	179	09:52:49.600	117GG105A106A4AT	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,811:19:0	
1589	96	179	09:52:56.933	117GG105A106A4AU	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,811:30:0	
1590	96	179	09:55:10.266	117GG105A106A4AV	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,813:48:0	
1591	96	179	09:55:17.600	117GG105A106A4AW	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,813:59:0	
1592	96	179	09:56:30.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,814:77:0	
1593	96	179	09:56:30.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 3997.71 +/- 1	4R7	4	1	3,497,814:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	96	179	09:56:38.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3999.41 +/- 1	4R7	4	1	3,497,814	89:3
1595	96	179	09:56:58.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,815	29:0
1596	96	179	09:56:58.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4004.20 +/- 1	4R7	4	1	3,497,815	29:0
1597	96	179	09:57:00.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4004.26 +/- 1	4R7	4	1	3,497,815	31:1
1598	96	179	09:57:30.933	117GG105A106A4AX	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,815	77:0
1599	96	179	09:57:38.266	117GG105A106A4AY	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,815	88:0
1600	96	179	09:59:51.600	117GG105A106A4AZ	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,818	15:0
1601	96	179	09:59:58.933	117GG105A106A4BA	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,818	26:0
1602	96	179	10:02:12.266	117GG105A106A4BB	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,820	44:0
1603	96	179	10:02:19.600	117GG105A106A4BC	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,820	55:0
1604	96	179	10:04:32.933	117GG105A106A4BD	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,822	73:0
1605	96	179	10:04:40.266	117GG105A106A4BE	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,822	84:0
1606	96	179	10:06:53.600	117GG105A106A4BF	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,825	11:0
1607	96	179	10:07:00.933	117GG105A106A4BG	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,825	22:0
1608	96	179	10:09:14.266	117GG105A106A4BH	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,827	40:0
1609	96	179	10:09:21.600	117GG105A106A4BI	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,827	51:0
1610	96	179	10:10:54.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4004.26 +/- 1	4R7	4	1	3,497,829	09:0
1611	96	179	10:10:54.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,829	09:0
1612	96	179	10:11:03.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4005.96 +/- 1	4R7	4	1	3,497,829	21:3
1613	96	179	10:11:23.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4010.76 +/- 1	4R7	4	1	3,497,829	52:0
1614	96	179	10:11:23.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,829	52:0
1615	96	179	10:11:25.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4010.82 +/- 1	4R7	4	1	3,497,829	54:1
1616	96	179	10:11:34.933	117GG105A106A4BJ	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,829	69:0
1617	96	179	10:11:42.266	117GG105A106A4BK	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,829	80:0
1618	96	179	10:13:55.600	117GG105A106A4BL	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,832	07:0
1619	96	179	10:14:02.933	117GG105A106A4BM	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,832	18:0
1620	96	179	10:16:16.266	117GG105A106A4BN	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,834	36:0
1621	96	179	10:16:23.600	117GG105A106A4BO	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,834	47:0
1622	96	179	10:18:36.933	117GG105A106A4BP	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,836	65:0
1623	96	179	10:18:44.266	117GG105A106A4BQ	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,836	76:0
1624	96	179	10:20:51.600	488AQ6B	6TMSED	NORM,BL4	Sci, Eng, and D/L Chan	4R7	4	1	3,497,838	85:0
1625	96	179	10:20:57.600	117GG105A106A4BR	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,839	03:0
1626	96	179	10:21:04.933	117GG105A106A4BS	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,839	14:0
1627	96	179	10:23:18.266	117GG105A106A4BT	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,841	32:0
1628	96	179	10:23:25.600	117GG105A106A4BU	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,841	43:0
1629	96	179	10:25:18.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4010.82 +/- 1	4R7	4	1	3,497,843	31:0
1630	96	179	10:25:18.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,843	31:0
1631	96	179	10:25:27.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4012.51 +/- 1	4R7	4	1	3,497,843	43:3
1632	96	179	10:25:38.933	117GG105A106A4BV	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,843	61:0
1633	96	179	10:25:46.266	117GG105A106A4BW	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,843	72:0
1634	96	179	10:25:47.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,843	74:0
1635	96	179	10:25:47.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4017.31 +/- 1	4R7	4	1	3,497,843	74:0
1636	96	179	10:25:49.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4017.37 +/- 1	4R7	4	1	3,497,843	76:1
1637	96	179	10:27:59.600	117GG105A106A4BX	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,845	90:0
1638	96	179	10:28:06.933	117GG105A106A4BY	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,846	10:0
1639	96	179	10:30:20.266	117GG105A106A4BZ	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,848	28:0
1640	96	179	10:30:27.600	117GG105A106A4CA	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,848	39:0
1641	96	179	10:32:40.933	117GG105A106A4CB	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,850	57:0
1642	96	179	10:32:48.266	117GG105A106A4CC	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,850	68:0
1643	96	179	10:35:01.600	117GG105A106A4CD	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,852	86:0
1644	96	179	10:35:08.933	117GG105A106A4CE	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,853	06:0
1645	96	179	10:37:22.266	117GG105A106A4CF	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,855	24:0
1646	96	179	10:37:29.600	117GG105A106A4CG	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,855	35:0
1647	96	179	10:39:42.933	117GG105A106A4CH	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,857	53:0
1648	96	179	10:39:43.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,857	54:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	96	179	10:39:43.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4017.37 +/- 1	4R7	4	1	3,497,857:54:0	
1650	96	179	10:39:50.266	117GG105A106A4CI	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,857:64:0	
1651	96	179	10:39:51.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4019.07 +/- 1	4R7	4	1	3,497,857:66:3	
1652	96	179	10:40:12.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,858:06:0	
1653	96	179	10:40:12.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4023.86 +/- 1	4R7	4	1	3,497,858:06:0	
1654	96	179	10:40:13.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4023.92 +/- 1	4R7	4	1	3,497,858:08:1	
1655	96	179	10:42:03.600	117GG105A106A4CJ	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,859:82:0	
1656	96	179	10:42:10.933	117GG105A106A4CK	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,860:02:0	
1657	96	179	10:44:24.266	117GG105A106A4CL	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,862:20:0	
1658	96	179	10:44:31.600	117GG105A106A4CM	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,862:31:0	
1659	96	179	10:46:44.933	117GG105A106A4CN	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,864:49:0	
1660	96	179	10:46:52.266	117GG105A106A4CO	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,864:60:0	
1661	96	179	10:49:05.600	117GG105A106A4CP	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,866:78:0	
1662	96	179	10:49:12.933	117GG105A106A4CQ	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,866:89:0	
1663	96	179	10:51:26.266	117GG105A106A4CR	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,869:16:0	
1664	96	179	10:51:33.600	117GG105A106A4CS	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,869:27:0	
1665	96	179	10:53:46.933	117GG105A106A4CT	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,871:45:0	
1666	96	179	10:53:54.266	117GG105A106A4CU	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,871:56:0	
1667	96	179	10:54:08.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4023.92 +/- 1	4R7	4	1	3,497,871:77:0	
1668	96	179	10:54:08.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,871:77:0	
1669	96	179	10:54:16.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4025.62 +/- 1	4R7	4	1	3,497,871:89:3	
1670	96	179	10:54:36.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4030.42 +/- 1	4R7	4	1	3,497,872:29:0	
1671	96	179	10:54:36.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,872:29:0	
1672	96	179	10:54:38.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4030.48 +/- 1	4R7	4	1	3,497,872:31:1	
1673	96	179	10:56:07.600	117GG105A106A4CV	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,873:74:0	
1674	96	179	10:56:14.933	117GG105A106A4CW	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,873:85:0	
1675	96	179	10:58:28.266	117GG105A106A4CX	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,876:12:0	
1676	96	179	10:58:35.600	117GG105A106A4CY	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,876:23:0	
1677	96	179	11:00:48.933	117GG105A106A4CZ	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,878:41:0	
1678	96	179	11:00:56.266	117GG105A106A4DA	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,878:52:0	
1679	96	179	11:03:09.600	117GG105A106A4DB	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,880:70:0	
1680	96	179	11:03:16.933	117GG105A106A4DC	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,880:81:0	
1681	96	179	11:05:30.266	117GG105A106A4DD	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,883:08:0	
1682	96	179	11:05:37.600	117GG105A106A4DE	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,883:19:0	
1683	96	179	11:07:50.933	117GG105A106A4DF	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,885:37:0	
1684	96	179	11:07:58.266	117GG105A106A4DG	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,885:48:0	
1685	96	179	11:08:32.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,886:09:0	
1686	96	179	11:08:32.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4030.48 +/- 1	4R7	4	1	3,497,886:09:0	
1687	96	179	11:08:41.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4032.17 +/- 1	4R7	4	1	3,497,886:21:3	
1688	96	179	11:09:01.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4036.97 +/- 1	4R7	4	1	3,497,886:52:0	
1689	96	179	11:09:01.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,886:52:0	
1690	96	179	11:09:03.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4037.03 +/- 1	4R7	4	1	3,497,886:54:1	
1691	96	179	11:10:11.600	117GG105A106A4DH	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,887:66:0	
1692	96	179	11:10:18.933	117GG105A106A4DI	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,887:77:0	
1693	96	179	11:12:32.266	117GG105A106A4DJ	7STRP	-0.053812,0.0009	Slew =,15.0	4R7	4	1	3,497,890:04:0	
1694	96	179	11:12:39.600	117GG105A106A4DK	7STRP	0.05305,0.0,0,0,	Slew =,0.41	4R7	4	1	3,497,890:15:0	
1695	96	179	11:14:52.933	176GG6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R7	4	1	3,497,892:33:0	
1696	96	179	11:14:52.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,497,892:33:0	
1697	96	179	11:14:52.933	117GG11A	**CSMOS**	GE	***** GROUP END CSMOS	4R7	4	1	3,497,892:33:0	
1698	96	179	11:14:52.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4037.03 +/- 1	4R7	4	1	3,497,892:33:0	
1699	96	179	11:15:01.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4038.72 +/- 1	4R7	4	1	3,497,892:45:3	
1700	96	179	11:15:13.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	1	3,497,892:64:0	
1701	96	179	11:15:13.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4041.65 +/- 1	4R7	4	1	3,497,892:64:0	
1702	96	179	11:15:15.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4041.71 +/- 1	4R7	4	1	3,497,892:66:1	
1703	96	179	11:16:30.933	165DW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	1	3,497,893:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1704	96	179	11:16:31.600	165DW4B	7SCAN	NORM,284.654999,	Check S/P Position	4R7	4	1	3,497,893:90:0
1705	**96**	**179**	**11:16:36.266**	**G1JNGRS00501-**		**-----START------**		**4R7**	**4**	**1**	**: :**
1706	96	179	11:19:29.600	125DW11A	NIMSINIT	GE	##### GROUP END INIT	4R7	4	1	3,497,896:84:0
1707	96	179	11:19:29.600	125DW	NIMSINIT	GS	##### GROUP START INIT	4R7	4	1	3,497,896:84:0
1708	**96**	**179**	**11:19:29.600**	**125DW4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R7**	**4**	**1**	**3,497,896:84:0**
1709	96	179	11:20:18.266		DMS:	: *US-RUNUP	R28, TRACK 3, FWD, TIC 4041.71 +/- 1	2R7	4	1	3,497,897:66:0
1710	96	179	11:20:18.266	175KI422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R7	4	1	3,497,897:66:0
1711	96	179	11:20:25.600	117DW	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	1	3,497,897:77:0
1712	**96**	**179**	**11:20:30.266**	**127DW4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,497,897:84:0**
1713	96	179	11:20:30.266	175KI176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R5	4	1	3,497,897:84:0
1714	96	179	11:20:30.266	127DW	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,497,897:84:0
1715	96	179	11:20:30.333		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *4044.60 +/- 1	2R5	4	1	3,497,897:84:1
1716	**96**	**179**	**11:20:30.933**	**127DW4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,497,897:85:0**
1717	96	179	11:20:31.600	175DW422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,497,897:86:0
1718	96	179	11:20:31.600		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *4045.72 +/- 1	2R5	4	1	3,497,897:86:0
1719	96	179	11:20:33.000		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4045.94 +/- 1	2R5	4	1	3,497,897:88:1
1720	96	179	11:20:33.600	165DW4C	7VECT		Inert vect update UTC	2R5	4	1	3,497,897:89:0
1721	96	179	11:20:34.266	175DW176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,497,897:90:0
1722	96	179	11:20:34.266	165DW4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R5	4	1	3,497,897:90:0
1723	96	179	11:20:34.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4046.06 +/- 1	2R5	4	1	3,497,897:90:3
1724	96	179	11:20:34.933	117DW105A106A4A	7STRP	0.016001,0.0,0,0	Slew =,0.12	2R5	4	1	3,497,898:00:0
1725	**96**	**179**	**11:20:34.958**	**G1JNGRS00501-**	**NIMPBK**	**301DW**	**GRS 5 PHASE #1**	**2R5**	**4**	**1**	**: :**
1726	96	179	11:20:38.933	127DW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,497,898:06:0
1727	96	179	11:26:14.933	117DW105A106A4B	7STRP	-0.014001,0.0070	Slew =12.01	2R5	4	1	3,497,903:55:0
1728	96	179	11:26:34.933	117DW105A106A4C	7STRP	0.016001,0.0,0,0	Slew =,0.12	2R5	4	1	3,497,903:85:0
1729	**96**	**179**	**11:32:12.958**	**G1JNGRS00501-**	**DESELC**	**300DW**	**GRS 5 PHASE #1**	**2R5**	**4**	**1**	**: :**
1730	96	179	11:32:14.933	175DW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,497,909:49:0
1731	96	179	11:32:14.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4210.23 +/- 1	2R5	4	1	3,497,909:49:0
1732	96	179	11:32:14.933	175DW6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,497,909:49:0
1733	96	179	11:32:14.933	117DW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,497,909:49:0
1734	96	179	11:32:16.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4210.29 +/- 1	2R5	4	1	3,497,909:51:1
1735	**96**	**179**	**11:32:36.266**	**G1JNGRS00501-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
1736	96	179	11:56:57.600	165GJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,497,933:89:0
1737	96	179	11:56:58.266	165GJ4B	7SCAN	NORM,290.566998,	Check S/P Position	2R5	4	1	3,497,933:90:0
1738	96	179	12:00:52.266	117GJ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,497,937:77:0
1739	96	179	12:01:01.600	117GJ105A106A4A	7STRP	0.0,0.01915,0,0,	Slew =,0.51	2R5	4	1	3,497,938:00:0
1740	96	179	12:06:06.266	117GJ105A106A4B	7STRP	-0.0045,-0.01909	Slew =17.01	2R5	4	1	3,497,943:02:0
1741	96	179	12:06:23.600	117GJ105A106A4C	7STRP	0.0,0.01915,0,0,	Slew =,0.51	2R5	4	1	3,497,943:28:0
1742	96	179	12:11:28.266	117GJ105A106A4D	7STRP	-0.0045,-0.01909	Slew =17.01	2R5	4	1	3,497,948:30:0
1743	96	179	12:11:45.600	117GJ105A106A4E	7STRP	0.0,0.01915,0,0,	Slew =,0.51	2R5	4	1	3,497,948:56:0
1744	96	179	12:16:50.266	117GJ105A106A4F	7STRP	-0.0045,-0.01909	Slew =17.01	2R5	4	1	3,497,953:58:0
1745	96	179	12:17:07.600	117GJ105A106A4G	7STRP	0.0,0.01915,0,0,	Slew =,0.51	2R5	4	1	3,497,953:84:0
1746	96	179	12:22:12.266	117GJ105A106A4H	7STRP	-0.0045,-0.01909	Slew =17.01	2R5	4	1	3,497,958:86:0
1747	96	179	12:22:29.600	117GJ105A106A4I	7STRP	0.0,0.01915,0,0,	Slew =,0.51	2R5	4	1	3,497,959:21:0
1748	96	179	12:27:34.266	117GJ105A106B4A	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,497,964:23:0
1749	96	179	12:27:52.933	117GJ105A106B4B	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,497,964:51:0
1750	96	179	12:32:26.266	117GJ105A106B4C	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,497,969:06:0
1751	96	179	12:32:44.933	117GJ105A106B4D	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,497,969:34:0
1752	96	179	12:37:18.266	117GJ105A106B4E	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,497,973:80:0
1753	96	179	12:37:36.933	117GJ105A106B4F	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,497,974:17:0
1754	96	179	12:42:10.266	117GJ105A106B4G	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,497,978:63:0
1755	96	179	12:42:28.933	117GJ105A106B4H	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,497,979:00:0
1756	96	179	12:46:31.600	176GJ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,497,983:00:0
1757	96	179	12:47:02.266	117GJ105A106B4I	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,497,983:46:0
1758	96	179	12:47:20.933	117GJ105A106B4J	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,497,983:74:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	96	179	12:51:54.266	117GJ105A106B4K	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,497,988:29:0	
1760	96	179	12:52:12.933	117GJ105A106B4L	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,497,988:57:0	
1761	96	179	12:56:46.266	117GJ105A106B4M	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,497,993:12:0	
1762	96	179	12:57:04.933	117GJ105A106B4N	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,497,993:40:0	
1763	96	179	13:00:46.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,497,997:08:0	
1764	96	179	13:00:46.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4210.29 +/- 1	2R5	4	1	3,497,997:08:0	
1765	96	179	13:00:54.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4211.98 +/- 1	2R5	4	1	3,497,997:20:3	
1766	96	179	13:01:14.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,497,997:51:0	
1767	96	179	13:01:14.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4216.78 +/- 1	2R5	4	1	3,497,997:51:0	
1768	96	179	13:01:16.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4216.84 +/- 1	2R5	4	1	3,497,997:53:1	
1769	96	179	13:01:38.266	117GJ105A106B4O	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,497,997:86:0	
1770	96	179	13:01:56.933	117GJ105A106B4P	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,497,998:23:0	
1771	96	179	13:06:30.266	117GJ105A106B4Q	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,002:69:0	
1772	96	179	13:06:48.933	117GJ105A106B4R	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,003:06:0	
1773	96	179	13:11:22.266	117GJ105A106B4S	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,007:52:0	
1774	96	179	13:11:40.933	117GJ105A106B4T	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,007:80:0	
1775	96	179	13:15:10.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,011:31:0	
1776	96	179	13:15:10.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4216.84 +/- 1	2R5	4	1	3,498,011:31:0	
1777	96	179	13:15:19.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4218.54 +/- 1	2R5	4	1	3,498,011:43:3	
1778	96	179	13:15:39.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,011:74:0	
1779	96	179	13:15:39.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4223.33 +/- 1	2R5	4	1	3,498,011:74:0	
1780	96	179	13:15:41.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4223.39 +/- 1	2R5	4	1	3,498,011:76:1	
1781	96	179	13:16:14.266	117GJ105A106B4U	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,012:35:0	
1782	96	179	13:16:32.933	117GJ105A106B4V	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,012:63:0	
1783	96	179	13:21:06.266	117GJ105A106B4W	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,017:18:0	
1784	96	179	13:21:24.933	117GJ105A106B4X	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,017:46:0	
1785	96	179	13:25:58.266	117GJ105A106B4Y	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,022:01:0	
1786	96	179	13:26:16.933	117GJ105A106B4Z	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,022:29:0	
1787	96	179	13:29:35.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,025:54:0	
1788	96	179	13:29:35.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4223.39 +/- 1	2R5	4	1	3,498,025:54:0	
1789	96	179	13:29:43.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4225.09 +/- 1	2R5	4	1	3,498,025:66:3	
1790	96	179	13:30:04.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4229.89 +/- 1	2R5	4	1	3,498,026:06:0	
1791	96	179	13:30:04.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,026:06:0	
1792	96	179	13:30:05.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4229.95 +/- 1	2R5	4	1	3,498,026:08:1	
1793	96	179	13:30:50.266	117GJ105A106B4AA	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,026:75:0	
1794	96	179	13:31:08.933	117GJ105A106B4AB	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,027:12:0	
1795	96	179	13:35:42.266	117GJ105A106B4AC	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,031:58:0	
1796	96	179	13:36:00.933	117GJ105A106B4AD	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,031:86:0	
1797	96	179	13:40:34.266	117GJ105A106B4AE	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,036:41:0	
1798	96	179	13:40:52.933	117GJ105A106B4AF	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,036:69:0	
1799	96	179	13:44:00.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4229.95 +/- 1	2R5	4	1	3,498,039:77:0	
1800	96	179	13:44:00.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,039:77:0	
1801	96	179	13:44:08.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4231.64 +/- 1	2R5	4	1	3,498,039:89:3	
1802	96	179	13:44:28.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4236.44 +/- 1	2R5	4	1	3,498,040:29:0	
1803	96	179	13:44:28.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,040:29:0	
1804	96	179	13:44:30.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4236.50 +/- 1	2R5	4	1	3,498,040:31:1	
1805	96	179	13:45:26.266	117GJ105A106B4AG	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,041:24:0	
1806	96	179	13:45:44.933	117GJ105A106B4AH	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,041:52:0	
1807	96	179	13:50:18.266	117GJ105A106B4AI	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,046:07:0	
1808	96	179	13:50:36.933	117GJ105A106B4AJ	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,046:35:0	
1809	96	179	13:55:10.266	117GJ105A106B4AK	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,050:81:0	
1810	96	179	13:55:28.933	117GJ105A106B4AL	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,051:18:0	
1811	96	179	13:58:24.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,054:09:0	
1812	96	179	13:58:24.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4236.50 +/- 1	2R5	4	1	3,498,054:09:0	
1813	96	179	13:58:33.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4238.20 +/- 1	2R5	4	1	3,498,054:21:3	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1814	96	179	13:58:53.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,054	52:0
1815	96	179	13:58:53.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4242.99 +/- 1	2R5	4	1	3,498,054	52:0
1816	96	179	13:58:55.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4243.05 +/- 1	2R5	4	1	3,498,054	54:1
1817	96	179	14:00:02.266	117GJ105A106B4AM	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,055	64:0
1818	96	179	14:00:20.933	117GJ105A106B4AN	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,056	01:0
1819	96	179	14:04:54.266	117GJ105A106B4AO	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,060	47:0
1820	96	179	14:05:12.933	117GJ105A106B4AP	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,060	75:0
1821	96	179	14:09:46.266	117GJ105A106B4AQ	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,065	30:0
1822	96	179	14:10:04.933	117GJ105A106B4AR	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,065	58:0
1823	96	179	14:12:48.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,068	31:0
1824	96	179	14:12:48.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4243.05 +/- 1	2R5	4	1	3,498,068	31:0
1825	96	179	14:12:57.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4244.75 +/- 2	2R5	4	1	3,498,068	43:3
1826	96	179	14:13:17.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,068	74:0
1827	96	179	14:13:17.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4249.55 +/- 2	2R5	4	1	3,498,068	74:0
1828	96	179	14:13:19.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4249.61 +/- 2	2R5	4	1	3,498,068	76:1
1829	96	179	14:14:38.266	117GJ105A106B4AS	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,070	13:0
1830	96	179	14:14:56.933	117GJ105A106B4AT	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,070	41:0
1831	96	179	14:19:30.266	117GJ105A106B4AU	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,074	87:0
1832	96	179	14:19:48.933	117GJ105A106B4AV	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,075	24:0
1833	96	179	14:24:22.266	117GJ105A106B4AW	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,079	70:0
1834	96	179	14:24:40.933	117GJ105A106B4AX	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,080	07:0
1835	96	179	14:27:13.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,082	54:0
1836	96	179	14:27:13.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4249.61 +/- 2	2R5	4	1	3,498,082	54:0
1837	96	179	14:27:21.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4251.30 +/- 2	2R5	4	1	3,498,082	66:3
1838	96	179	14:27:42.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,083	06:0
1839	96	179	14:27:42.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4256.10 +/- 2	2R5	4	1	3,498,083	06:0
1840	96	179	14:27:43.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4256.16 +/- 2	2R5	4	1	3,498,083	08:1
1841	96	179	14:29:14.266	117GJ105A106B4AY	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,084	53:0
1842	96	179	14:29:32.933	117GJ105A106B4AZ	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,084	81:0
1843	96	179	14:34:06.266	117GJ105A106B4BA	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,089	36:0
1844	96	179	14:34:24.933	117GJ105A106B4BB	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,089	64:0
1845	96	179	14:38:58.266	117GJ105A106B4BC	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,094	19:0
1846	96	179	14:39:16.933	117GJ105A106B4BD	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,094	47:0
1847	96	179	14:41:38.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,096	77:0
1848	96	179	14:41:38.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4256.16 +/- 2	2R5	4	1	3,498,096	77:0
1849	96	179	14:41:46.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4257.85 +/- 2	2R5	4	1	3,498,096	89:3
1850	96	179	14:42:06.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4262.65 +/- 2	2R5	4	1	3,498,097	29:0
1851	96	179	14:42:06.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,097	29:0
1852	96	179	14:42:08.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4262.71 +/- 2	2R5	4	1	3,498,097	31:1
1853	96	179	14:43:50.266	117GJ105A106B4BE	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,099	02:0
1854	96	179	14:44:08.933	117GJ105A106B4BF	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,099	30:0
1855	96	179	14:48:42.266	117GJ105A106B4BG	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,103	76:0
1856	96	179	14:49:00.933	117GJ105A106B4BH	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,104	13:0
1857	96	179	14:53:34.266	117GJ105A106B4BI	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,108	59:0
1858	96	179	14:53:52.933	117GJ105A106B4BJ	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,108	87:0
1859	96	179	14:56:02.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4262.71 +/- 2	2R5	4	1	3,498,111	09:0
1860	96	179	14:56:02.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,111	09:0
1861	96	179	14:56:11.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4264.41 +/- 2	2R5	4	1	3,498,111	21:3
1862	96	179	14:56:31.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4269.20 +/- 2	2R5	4	1	3,498,111	52:0
1863	96	179	14:56:31.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,111	52:0
1864	96	179	14:56:33.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4269.26 +/- 2	2R5	4	1	3,498,111	54:1
1865	96	179	14:58:26.266	117GJ105A106B4BK	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,113	42:0
1866	96	179	14:58:44.933	117GJ105A106B4BL	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,113	70:0
1867	96	179	15:03:18.266	117GJ105A106B4BM	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,118	25:0
1868	96	179	15:03:36.933	117GJ105A106B4BN	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,118	53:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	96	179	15:08:10.266	117GJ105A106B4BO	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,123	08:0
1870	96	179	15:08:28.933	117GJ105A106B4BP	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,123	36:0
1871	96	179	15:10:27.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4269.26 +/- 2	2R5	4	1	3,498,125	32:0
1872	96	179	15:10:27.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,125	32:0
1873	96	179	15:10:35.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4270.96 +/- 2	2R5	4	1	3,498,125	44:3
1874	96	179	15:10:56.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4275.76 +/- 2	2R5	4	1	3,498,125	75:0
1875	96	179	15:10:56.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,125	75:0
1876	96	179	15:10:57.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4275.82 +/- 2	2R5	4	1	3,498,125	77:1
1877	96	179	15:13:02.266	117GJ105A106B4BQ	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,127	82:0
1878	96	179	15:13:20.933	117GJ105A106B4BR	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,128	19:0
1879	96	179	15:17:54.266	117GJ105A106B4BS	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,132	65:0
1880	96	179	15:18:12.933	117GJ105A106B4BT	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,133	02:0
1881	96	179	15:22:46.266	117GJ105A106B4BU	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,137	48:0
1882	96	179	15:23:04.933	117GJ105A106B4BV	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,137	76:0
1883	96	179	15:24:51.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4275.82 +/- 2	2R5	4	1	3,498,139	54:0
1884	96	179	15:24:51.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,139	54:0
1885	96	179	15:24:59.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4277.51 +/- 2	2R5	4	1	3,498,139	66:3
1886	96	179	15:25:20.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4282.31 +/- 2	2R5	4	1	3,498,140	06:0
1887	96	179	15:25:20.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,140	06:0
1888	96	179	15:25:21.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4282.37 +/- 2	2R5	4	1	3,498,140	08:1
1889	96	179	15:27:38.266	117GJ105A106B4BW	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,142	31:0
1890	96	179	15:27:56.933	117GJ105A106B4BX	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,142	59:0
1891	96	179	15:32:30.266	117GJ105A106B4BY	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,147	14:0
1892	96	179	15:32:48.933	117GJ105A106B4BZ	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,147	42:0
1893	96	179	15:37:22.266	117GJ105A106B4CA	7STRP	-0.004,-0.019775	Slew =17.01	2R5	4	1	3,498,151	88:0
1894	96	179	15:37:40.933	117GJ105A106B4CB	7STRP	0.0,0.020127,0,0	Slew =,0.51	2R5	4	1	3,498,152	25:0
1895	96	179	15:39:16.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4282.37 +/- 2	2R5	4	1	3,498,153	77:0
1896	96	179	15:39:16.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,153	77:0
1897	96	179	15:39:24.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4284.07 +/- 2	2R5	4	1	3,498,153	89:3
1898	96	179	15:39:44.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,154	29:0
1899	96	179	15:39:44.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4288.86 +/- 2	2R5	4	1	3,498,154	29:0
1900	96	179	15:39:46.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4288.92 +/- 2	2R5	4	1	3,498,154	31:1
1901	96	179	15:42:14.266	117GJ105A106C4A	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,156	71:0
1902	96	179	15:42:31.600	117GJ105A106C4B	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,157	06:0
1903	96	179	15:45:33.600	117GJ105A106C4C	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,160	06:0
1904	96	179	15:45:50.933	117GJ105A106C4D	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,160	32:0
1905	96	179	15:48:52.933	117GJ105A106C4E	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,163	32:0
1906	96	179	15:49:10.266	117GJ105A106C4F	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,163	58:0
1907	96	179	15:52:12.266	117GJ105A106C4G	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,166	58:0
1908	96	179	15:52:29.600	117GJ105A106C4H	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,166	84:0
1909	96	179	15:53:40.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,168	09:0
1910	96	179	15:53:40.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4288.92 +/- 2	2R5	4	1	3,498,168	09:0
1911	96	179	15:53:49.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4290.62 +/- 2	2R5	4	1	3,498,168	21:3
1912	96	179	15:54:09.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,168	52:0
1913	96	179	15:54:09.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4295.42 +/- 2	2R5	4	1	3,498,168	52:0
1914	96	179	15:54:11.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4295.48 +/- 2	2R5	4	1	3,498,168	54:1
1915	96	179	15:55:31.600	117GJ105A106C4I	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,169	84:0
1916	96	179	15:55:48.933	117GJ105A106C4J	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,170	19:0
1917	96	179	15:58:50.933	117GJ105A106C4K	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,173	19:0
1918	96	179	15:59:08.266	117GJ105A106C4L	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,173	45:0
1919	96	179	16:02:10.266	117GJ105A106C4M	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,176	45:0
1920	96	179	16:02:27.600	117GJ105A106C4N	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,176	71:0
1921	96	179	16:05:29.600	117GJ105A106C4O	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,179	71:0
1922	96	179	16:05:46.933	117GJ105A106C4P	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,180	06:0
1923	96	179	16:08:05.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,182	32:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1924	96	179	16:08:05.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4295.48 +/- 2	2R5	4	1	3,498,182:32:0	
1925	96	179	16:08:13.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4297.17 +/- 2	2R5	4	1	3,498,182:44:3	
1926	96	179	16:08:34.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4301.97 +/- 2	2R5	4	1	3,498,182:75:0	
1927	96	179	16:08:34.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,182:75:0	
1928	96	179	16:08:35.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4302.03 +/- 2	2R5	4	1	3,498,182:77:1	
1929	96	179	16:08:48.933	117GJ105A106C4Q	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,183:06:0	
1930	96	179	16:09:06.266	117GJ105A106C4R	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,183:32:0	
1931	96	179	16:12:08.266	117GJ105A106C4S	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,186:32:0	
1932	96	179	16:12:25.600	117GJ105A106C4T	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,186:58:0	
1933	96	179	16:15:27.600	117GJ105A106C4U	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,189:58:0	
1934	96	179	16:15:44.933	117GJ105A106C4V	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,189:84:0	
1935	96	179	16:18:46.933	117GJ105A106C4W	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,192:84:0	
1936	96	179	16:19:04.266	117GJ105A106C4X	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,193:19:0	
1937	96	179	16:22:06.266	117GJ105A106C4Y	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,196:19:0	
1938	96	179	16:22:23.600	117GJ105A106C4Z	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,196:45:0	
1939	96	179	16:22:30.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4302.03 +/- 2	2R5	4	1	3,498,196:55:0	
1940	96	179	16:22:30.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,196:55:0	
1941	96	179	16:22:38.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4303.72 +/- 2	2R5	4	1	3,498,196:67:3	
1942	96	179	16:22:58.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4308.52 +/- 2	2R5	4	1	3,498,197:07:0	
1943	96	179	16:22:58.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,197:07:0	
1944	96	179	16:23:00.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4308.58 +/- 2	2R5	4	1	3,498,197:09:1	
1945	96	179	16:25:25.600	117GJ105A106C4AA	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,199:45:0	
1946	96	179	16:25:42.933	117GJ105A106C4AB	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,199:71:0	
1947	96	179	16:28:44.933	117GJ105A106C4AC	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,202:71:0	
1948	96	179	16:29:02.266	117GJ105A106C4AD	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,203:06:0	
1949	96	179	16:30:00.266	488AR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R5	4	1	3,498,204:02:0	
1950	96	179	16:32:04.266	117GJ105A106C4AE	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,206:06:0	
1951	96	179	16:32:21.600	117GJ105A106C4AF	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,206:32:0	
1952	96	179	16:35:23.600	117GJ105A106C4AG	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,209:32:0	
1953	96	179	16:35:40.933	117GJ105A106C4AH	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,209:58:0	
1954	96	179	16:36:54.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,210:77:0	
1955	96	179	16:36:54.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4308.58 +/- 2	2R5	4	1	3,498,210:77:0	
1956	96	179	16:37:02.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4310.28 +/- 2	2R5	4	1	3,498,210:89:3	
1957	96	179	16:37:22.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,211:29:0	
1958	96	179	16:37:22.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4315.07 +/- 2	2R5	4	1	3,498,211:29:0	
1959	96	179	16:37:24.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4315.13 +/- 2	2R5	4	1	3,498,211:31:1	
1960	96	179	16:38:42.933	117GJ105A106C4AI	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,212:58:0	
1961	96	179	16:39:00.266	117GJ105A106C4AJ	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,212:84:0	
1962	96	179	16:42:02.266	117GJ105A106C4AK	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,215:84:0	
1963	96	179	16:42:19.600	117GJ105A106C4AL	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,216:19:0	
1964	96	179	16:45:21.600	117GJ105A106C4AM	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,219:19:0	
1965	96	179	16:45:38.933	117GJ105A106C4AN	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,219:45:0	
1966	96	179	16:48:40.933	117GJ105A106C4AO	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,222:45:0	
1967	96	179	16:48:58.266	117GJ105A106C4AP	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,222:71:0	
1968	96	179	16:51:18.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4315.13 +/- 2	2R5	4	1	3,498,225:09:0	
1969	96	179	16:51:18.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,225:09:0	
1970	96	179	16:51:27.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4316.83 +/- 2	2R5	4	1	3,498,225:21:3	
1971	96	179	16:51:47.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4321.63 +/- 2	2R5	4	1	3,498,225:52:0	
1972	96	179	16:51:47.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,225:52:0	
1973	96	179	16:51:49.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4321.69 +/- 2	2R5	4	1	3,498,225:54:1	
1974	96	179	16:52:00.266	117GJ105A106C4AQ	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,225:71:0	
1975	96	179	16:52:17.600	117GJ105A106C4AR	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,226:06:0	
1976	96	179	16:55:19.600	117GJ105A106C4AS	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,229:06:0	
1977	96	179	16:55:36.933	117GJ105A106C4AT	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,229:32:0	
1978	96	179	16:58:38.933	117GJ105A106C4AU	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,232:32:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1979	96	179	16:58:56.266	117GJ105A106C4AV	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,232:58:0	
1980	96	179	17:01:58.266	117GJ105A106C4AW	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,235:58:0	
1981	96	179	17:02:15.600	117GJ105A106C4AX	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,235:84:0	
1982	96	179	17:05:17.600	117GJ105A106C4AY	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,238:84:0	
1983	96	179	17:05:34.933	117GJ105A106C4AZ	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,239:19:0	
1984	96	179	17:05:43.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4321.69 +/- 2	2R5	4	1	3,498,239:32:0	
1985	96	179	17:05:43.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,239:32:0	
1986	96	179	17:05:51.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4323.38 +/- 2	2R5	4	1	3,498,239:44:3	
1987	96	179	17:06:12.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4328.18 +/- 2	2R5	4	1	3,498,239:75:0	
1988	96	179	17:06:12.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,239:75:0	
1989	96	179	17:06:13.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4328.24 +/- 2	2R5	4	1	3,498,239:77:1	
1990	96	179	17:08:36.933	117GJ105A106C4BA	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,242:19:0	
1991	96	179	17:08:54.266	117GJ105A106C4BB	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,242:45:0	
1992	96	179	17:11:56.266	117GJ105A106C4BC	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,245:45:0	
1993	96	179	17:12:13.600	117GJ105A106C4BD	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,245:71:0	
1994	96	179	17:15:15.600	117GJ105A106C4BE	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,248:71:0	
1995	96	179	17:15:32.933	117GJ105A106C4BF	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,249:06:0	
1996	96	179	17:18:34.933	117GJ105A106C4BG	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,252:06:0	
1997	96	179	17:18:52.266	117GJ105A106C4BH	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,252:32:0	
1998	96	179	17:20:08.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4328.24 +/- 2	2R5	4	1	3,498,253:55:0	
1999	96	179	17:20:08.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,253:55:0	
2000	96	179	17:20:16.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4329.94 +/- 2	2R5	4	1	3,498,253:67:3	
2001	96	179	17:20:36.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4334.73 +/- 2	2R5	4	1	3,498,254:07:0	
2002	96	179	17:20:36.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,254:07:0	
2003	96	179	17:20:38.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4334.79 +/- 2	2R5	4	1	3,498,254:09:1	
2004	96	179	17:21:54.266	117GJ105A106C4BI	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,255:32:0	
2005	96	179	17:22:11.600	117GJ105A106C4BJ	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,255:58:0	
2006	96	179	17:25:13.600	117GJ105A106C4BK	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,258:58:0	
2007	96	179	17:25:30.933	117GJ105A106C4BL	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,258:84:0	
2008	96	179	17:28:32.933	117GJ105A106C4BM	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,261:84:0	
2009	96	179	17:28:50.266	117GJ105A106C4BN	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,262:19:0	
2010	96	179	17:31:52.266	117GJ105A106C4BO	7STRP	-0.003,-0.020783	Slew =17.01	2R5	4	1	3,498,265:19:0	
2011	96	179	17:32:09.600	117GJ105A106C4BP	7STRP	0.0,0.021034,0,0	Slew =,0.51	2R5	4	1	3,498,265:45:0	
2012	96	179	17:34:32.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,267:78:0	
2013	96	179	17:34:32.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4334.79 +/- 2	2R5	4	1	3,498,267:78:0	
2014	96	179	17:34:41.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4336.49 +/- 2	2R5	4	1	3,498,267:90:3	
2015	96	179	17:35:01.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,268:30:0	
2016	96	179	17:35:01.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4341.29 +/- 2	2R5	4	1	3,498,268:30:0	
2017	96	179	17:35:03.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4341.35 +/- 2	2R5	4	1	3,498,268:32:1	
2018	96	179	17:35:11.600	117GJ105A106D4A	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,268:45:0	
2019	96	179	17:35:28.933	117GJ105A106D4B	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,268:71:0	
2020	96	179	17:38:28.933	117GJ105A106D4C	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,271:68:0	
2021	96	179	17:38:46.266	117GJ105A106D4D	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,272:03:0	
2022	96	179	17:41:46.266	117GJ105A106D4E	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,275:00:0	
2023	96	179	17:42:03.600	117GJ105A106D4F	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,275:26:0	
2024	96	179	17:45:03.600	117GJ105A106D4G	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,278:23:0	
2025	96	179	17:45:20.933	117GJ105A106D4H	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,278:49:0	
2026	96	179	17:48:20.933	117GJ105A106D4I	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,281:46:0	
2027	96	179	17:48:38.266	117GJ105A106D4J	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,281:72:0	
2028	96	179	17:48:56.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,282:09:0	
2029	96	179	17:48:56.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4341.35 +/- 2	2R5	4	1	3,498,282:09:0	
2030	96	179	17:49:05.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4343.04 +/- 2	2R5	4	1	3,498,282:21:3	
2031	96	179	17:49:25.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,282:52:0	
2032	96	179	17:49:25.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4347.84 +/- 2	2R5	4	1	3,498,282:52:0	
2033	96	179	17:49:27.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4347.90 +/- 2	2R5	4	1	3,498,282:54:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2034	96	179	17:51:38.266	117GJ105A106D4K	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,284:69:0	
2035	96	179	17:51:55.600	117GJ105A106D4L	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,285:04:0	
2036	96	179	17:54:55.600	117GJ105A106D4M	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,288:01:0	
2037	96	179	17:55:12.933	117GJ105A106D4N	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,288:27:0	
2038	96	179	17:58:12.933	117GJ105A106D4O	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,291:24:0	
2039	96	179	17:58:30.266	117GJ105A106D4P	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,291:50:0	
2040	96	179	17:59:31.600	488AR6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R5	4	1	3,498,292:51:0	
2041	96	179	18:01:30.266	117GJ105A106D4Q	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,294:47:0	
2042	96	179	18:01:47.600	117GJ105A106D4R	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,294:73:0	
2043	96	179	18:03:21.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,296:32:0	
2044	96	179	18:03:21.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4347.90 +/- 2	2R5	4	1	3,498,296:32:0	
2045	96	179	18:03:29.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4349.59 +/- 2	2R5	4	1	3,498,296:44:3	
2046	96	179	18:03:50.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,296:75:0	
2047	96	179	18:03:50.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4354.39 +/- 2	2R5	4	1	3,498,296:75:0	
2048	96	179	18:03:51.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4354.45 +/- 2	2R5	4	1	3,498,296:77:1	
2049	96	179	18:04:47.600	117GJ105A106D4S	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,297:70:0	
2050	96	179	18:05:04.933	117GJ105A106D4T	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,298:05:0	
2051	96	179	18:08:04.933	117GJ105A106D4U	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,301:02:0	
2052	96	179	18:08:22.266	117GJ105A106D4V	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,301:28:0	
2053	96	179	18:11:22.266	117GJ105A106D4W	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,304:25:0	
2054	96	179	18:11:39.600	117GJ105A106D4X	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,304:51:0	
2055	96	179	18:14:39.600	117GJ105A106D4Y	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,307:48:0	
2056	96	179	18:14:56.933	117GJ105A106D4Z	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,307:74:0	
2057	96	179	18:17:46.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,310:55:0	
2058	96	179	18:17:46.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4354.45 +/- 2	2R5	4	1	3,498,310:55:0	
2059	96	179	18:17:54.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4356.15 +/- 2	2R5	4	1	3,498,310:67:3	
2060	96	179	18:17:56.933	117GJ105A106D4AA	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,310:71:0	
2061	96	179	18:18:14.266	117GJ105A106D4AB	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,311:06:0	
2062	96	179	18:18:14.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,311:07:0	
2063	96	179	18:18:14.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4360.94 +/- 2	2R5	4	1	3,498,311:07:0	
2064	96	179	18:18:16.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4361.00 +/- 2	2R5	4	1	3,498,311:09:1	
2065	96	179	18:21:14.266	117GJ105A106D4AC	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,314:03:0	
2066	96	179	18:21:31.600	117GJ105A106D4AD	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,314:29:0	
2067	96	179	18:24:31.600	117GJ105A106D4AE	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,317:26:0	
2068	96	179	18:24:48.933	117GJ105A106D4AF	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,317:52:0	
2069	96	179	18:27:48.933	117GJ105A106D4AG	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,320:49:0	
2070	96	179	18:28:06.266	117GJ105A106D4AH	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,320:75:0	
2071	96	179	18:31:06.266	117GJ105A106D4AI	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,323:72:0	
2072	96	179	18:31:23.600	117GJ105A106D4AJ	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,324:07:0	
2073	96	179	18:32:10.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,324:78:0	
2074	96	179	18:32:10.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4361.00 +/- 2	2R5	4	1	3,498,324:78:0	
2075	96	179	18:32:19.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4362.70 +/- 2	2R5	4	1	3,498,324:90:3	
2076	96	179	18:32:39.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4367.50 +/- 2	2R5	4	1	3,498,325:30:0	
2077	96	179	18:32:39.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,325:30:0	
2078	96	179	18:32:41.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4367.56 +/- 2	2R5	4	1	3,498,325:32:1	
2079	96	179	18:34:23.600	117GJ105A106D4AK	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,327:04:0	
2080	96	179	18:34:40.933	117GJ105A106D4AL	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,327:30:0	
2081	96	179	18:37:40.933	117GJ105A106D4AM	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,330:27:0	
2082	96	179	18:37:58.266	117GJ105A106D4AN	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,330:53:0	
2083	96	179	18:40:58.266	117GJ105A106D4AO	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,333:50:0	
2084	96	179	18:41:15.600	117GJ105A106D4AP	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,333:76:0	
2085	96	179	18:44:15.600	117GJ105A106D4AQ	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,336:73:0	
2086	96	179	18:44:32.933	117GJ105A106D4AR	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,337:08:0	
2087	96	179	18:46:35.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4367.56 +/- 2	2R5	4	1	3,498,339:10:0	
2088	96	179	18:46:35.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,339:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2089	96	179	18:46:43.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4369.25 +/- 2	2R5	4	1	3,498,339	22:3
2090	96	179	18:47:04.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,339	53:0
2091	96	179	18:47:04.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4374.05 +/- 2	2R5	4	1	3,498,339	53:0
2092	96	179	18:47:05.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4374.11 +/- 2	2R5	4	1	3,498,339	55:1
2093	96	179	18:47:32.933	117GJ105A106D4AS	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,340	05:0
2094	96	179	18:47:50.266	117GJ105A106D4AT	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,340	31:0
2095	96	179	18:50:50.266	117GJ105A106D4AU	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,343	28:0
2096	96	179	18:51:07.600	117GJ105A106D4AV	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,343	54:0
2097	96	179	18:54:07.600	117GJ105A106D4AW	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,346	51:0
2098	96	179	18:54:24.933	117GJ105A106D4AX	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,346	77:0
2099	96	179	18:57:24.933	117GJ105A106D4AY	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,349	74:0
2100	96	179	18:57:42.266	117GJ105A106D4AZ	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,350	09:0
2101	96	179	19:00:42.266	117GJ105A106D4BA	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,353	06:0
2102	96	179	19:00:59.600	117GJ105A106D4BB	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,353	32:0
2103	96	179	19:00:59.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,353	32:0
2104	96	179	19:00:59.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4374.11 +/- 2	2R5	4	1	3,498,353	32:0
2105	96	179	19:01:07.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4375.81 +/- 2	2R5	4	1	3,498,353	44:3
2106	96	179	19:01:28.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4380.60 +/- 2	2R5	4	1	3,498,353	75:0
2107	96	179	19:01:28.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,353	75:0
2108	96	179	19:01:29.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4380.66 +/- 2	2R5	4	1	3,498,353	77:1
2109	96	179	19:03:59.600	117GJ105A106D4BC	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,356	29:0
2110	96	179	19:04:16.933	117GJ105A106D4BD	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,356	55:0
2111	96	179	19:07:16.933	117GJ105A106D4BE	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,359	52:0
2112	96	179	19:07:34.266	117GJ105A106D4BF	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,359	78:0
2113	96	179	19:10:34.266	117GJ105A106D4BG	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,362	75:0
2114	96	179	19:10:51.600	117GJ105A106D4BH	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,363	10:0
2115	96	179	19:13:51.600	117GJ105A106D4BI	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,366	07:0
2116	96	179	19:14:08.933	117GJ105A106D4BJ	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,366	33:0
2117	96	179	19:15:24.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4380.66 +/- 2	2R5	4	1	3,498,367	55:0
2118	96	179	19:15:24.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,367	55:0
2119	96	179	19:15:32.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4382.36 +/- 2	2R5	4	1	3,498,367	67:3
2120	96	179	19:15:52.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4387.16 +/- 2	2R5	4	1	3,498,368	07:0
2121	96	179	19:15:52.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,368	07:0
2122	96	179	19:15:54.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4387.22 +/- 2	2R5	4	1	3,498,368	09:1
2123	96	179	19:17:08.933	117GJ105A106D4BK	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,369	30:0
2124	96	179	19:17:26.266	117GJ105A106D4BL	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,369	56:0
2125	96	179	19:20:26.266	117GJ105A106D4BM	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,372	53:0
2126	96	179	19:20:43.600	117GJ105A106D4BN	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,372	79:0
2127	96	179	19:23:43.600	117GJ105A106D4BO	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,375	76:0
2128	96	179	19:24:00.933	117GJ105A106D4BP	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,376	11:0
2129	96	179	19:27:00.933	117GJ105A106D4BQ	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,379	08:0
2130	96	179	19:27:18.266	117GJ105A106D4BR	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,379	34:0
2131	96	179	19:29:07.600	488AR6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R5	4	1	3,498,381	16:0
2132	96	179	19:29:48.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4387.22 +/- 2	2R5	4	1	3,498,381	78:0
2133	96	179	19:29:48.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,381	78:0
2134	96	179	19:29:57.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4388.91 +/- 2	2R5	4	1	3,498,381	90:3
2135	96	179	19:30:17.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,382	30:0
2136	96	179	19:30:17.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4393.71 +/- 2	2R5	4	1	3,498,382	30:0
2137	96	179	19:30:18.266	117GJ105A106D4BS	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,382	31:0
2138	96	179	19:30:19.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4393.77 +/- 2	2R5	4	1	3,498,382	32:1
2139	96	179	19:30:35.600	117GJ105A106D4BT	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,382	57:0
2140	96	179	19:33:35.600	117GJ105A106D4BU	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,385	54:0
2141	96	179	19:33:52.933	117GJ105A106D4BV	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,385	80:0
2142	96	179	19:36:52.933	117GJ105A106D4BW	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,388	77:0
2143	96	179	19:37:10.266	117GJ105A106D4BX	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,389	12:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2144	96	179	19:40:10.266	117GJ105A106D4BY	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,392:09:0	
2145	96	179	19:40:27.600	117GJ105A106D4BZ	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,392:35:0	
2146	96	179	19:43:27.600	117GJ105A106D4CA	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,395:32:0	
2147	96	179	19:43:44.933	117GJ105A106D4CB	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,395:58:0	
2148	96	179	19:44:13.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,396:10:0	
2149	96	179	19:44:13.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4393.77 +/- 2	2R5	4	1	3,498,396:10:0	
2150	96	179	19:44:21.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4395.46 +/- 2	2R5	4	1	3,498,396:22:3	
2151	96	179	19:44:42.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,396:53:0	
2152	96	179	19:44:42.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4400.26 +/- 2	2R5	4	1	3,498,396:53:0	
2153	96	179	19:44:43.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4400.32 +/- 2	2R5	4	1	3,498,396:55:1	
2154	96	179	19:46:44.933	117GJ105A106D4CC	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,398:55:0	
2155	96	179	19:47:02.266	117GJ105A106D4CD	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,398:81:0	
2156	96	179	19:48:30.266	488AR6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R5	4	1	3,498,400:31:0	
2157	96	179	19:50:02.266	117GJ105A106D4CE	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,401:78:0	
2158	96	179	19:50:19.600	117GJ105A106D4CF	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,402:13:0	
2159	96	179	19:53:19.600	117GJ105A106D4CG	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,405:10:0	
2160	96	179	19:53:36.933	117GJ105A106D4CH	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,405:36:0	
2161	96	179	19:56:36.933	117GJ105A106D4CI	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,408:33:0	
2162	96	179	19:56:54.266	117GJ105A106D4CJ	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,408:59:0	
2163	96	179	19:58:38.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,410:33:0	
2164	96	179	19:58:38.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4400.32 +/- 2	2R5	4	1	3,498,410:33:0	
2165	96	179	19:58:46.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4402.02 +/- 2	2R5	4	1	3,498,410:45:3	
2166	96	179	19:59:06.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4406.81 +/- 2	2R5	4	1	3,498,410:76:0	
2167	96	179	19:59:06.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,410:76:0	
2168	96	179	19:59:08.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4406.87 +/- 2	2R5	4	1	3,498,410:78:1	
2169	96	179	19:59:54.266	117GJ105A106D4CK	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,411:56:0	
2170	96	179	20:00:11.600	117GJ105A106D4CL	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,411:82:0	
2171	96	179	20:03:11.600	117GJ105A106D4CM	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,414:79:0	
2172	96	179	20:03:28.933	117GJ105A106D4CN	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,415:14:0	
2173	96	179	20:06:28.933	117GJ105A106D4CO	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,418:11:0	
2174	96	179	20:06:46.266	117GJ105A106D4CP	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,418:37:0	
2175	96	179	20:09:46.266	117GJ105A106D4CQ	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,421:34:0	
2176	96	179	20:10:03.600	117GJ105A106D4CR	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,421:60:0	
2177	96	179	20:13:02.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4406.87 +/- 2	2R5	4	1	3,498,424:55:0	
2178	96	179	20:13:02.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,424:55:0	
2179	96	179	20:13:03.600	117GJ105A106D4CS	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,424:57:0	
2180	96	179	20:13:10.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4408.57 +/- 2	2R5	4	1	3,498,424:67:3	
2181	96	179	20:13:20.933	117GJ105A106D4CT	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,424:83:0	
2182	96	179	20:13:30.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4413.37 +/- 2	2R5	4	1	3,498,425:07:0	
2183	96	179	20:13:30.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,425:07:0	
2184	96	179	20:13:32.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4413.43 +/- 2	2R5	4	1	3,498,425:09:1	
2185	96	179	20:16:20.933	117GJ105A106D4CU	7STRP	-0.00275,-0.0208	Slew =17.01	2R5	4	1	3,498,427:80:0	
2186	96	179	20:16:38.266	117GJ105A106D4CV	7STRP	0.0,0.021019,0,0	Slew =,0.51	2R5	4	1	3,498,428:15:0	
2187	96	179	20:19:38.266	117GJ105A106E4A	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,431:12:0	
2188	96	179	20:19:56.266	117GJ105A106E4B	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,431:39:0	
2189	96	179	20:21:57.600	117GJ105A106E4C	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,433:39:0	
2190	96	179	20:22:15.600	117GJ105A106E4D	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,433:66:0	
2191	96	179	20:24:16.933	117GJ105A106E4E	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,435:66:0	
2192	96	179	20:24:34.933	117GJ105A106E4F	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,436:02:0	
2193	96	179	20:26:36.266	117GJ105A106E4G	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,438:02:0	
2194	96	179	20:26:54.266	117GJ105A106E4H	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,438:29:0	
2195	96	179	20:27:26.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4413.43 +/- 2	2R5	4	1	3,498,438:78:0	
2196	96	179	20:27:26.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,438:78:0	
2197	96	179	20:27:35.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4415.12 +/- 2	2R5	4	1	3,498,438:90:3	
2198	96	179	20:27:55.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,439:30:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2199	96	179	20:27:55.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4419.92 +/- 2	2R5	4	1	3,498,439:30:0	
2200	96	179	20:27:57.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4419.98 +/- 2	2R5	4	1	3,498,439:32:1	
2201	96	179	20:28:55.600	117GJ105A106E4I	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,440:29:0	
2202	96	179	20:29:13.600	117GJ105A106E4J	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,440:56:0	
2203	96	179	20:31:14.933	117GJ105A106E4K	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,442:56:0	
2204	96	179	20:31:32.933	117GJ105A106E4L	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,442:83:0	
2205	96	179	20:33:34.266	117GJ105A106E4M	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,444:83:0	
2206	96	179	20:33:52.266	117GJ105A106E4N	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,445:19:0	
2207	96	179	20:35:53.600	117GJ105A106E4O	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,447:19:0	
2208	96	179	20:36:11.600	117GJ105A106E4P	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,447:46:0	
2209	96	179	20:38:12.933	117GJ105A106E4Q	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,449:46:0	
2210	96	179	20:38:30.933	117GJ105A106E4R	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,449:73:0	
2211	96	179	20:40:32.266	117GJ105A106E4S	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,451:73:0	
2212	96	179	20:40:50.266	117GJ105A106E4T	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,452:09:0	
2213	96	179	20:41:51.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4419.98 +/- 2	2R5	4	1	3,498,453:10:0	
2214	96	179	20:41:51.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,453:10:0	
2215	96	179	20:41:59.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4421.68 +/- 2	2R5	4	1	3,498,453:22:3	
2216	96	179	20:42:20.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,453:53:0	
2217	96	179	20:42:20.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4426.47 +/- 2	2R5	4	1	3,498,453:53:0	
2218	96	179	20:42:21.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4426.53 +/- 2	2R5	4	1	3,498,453:55:1	
2219	96	179	20:42:51.600	117GJ105A106E4U	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,454:09:0	
2220	96	179	20:43:09.600	117GJ105A106E4V	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,454:36:0	
2221	96	179	20:45:10.933	117GJ105A106E4W	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,456:36:0	
2222	96	179	20:45:28.933	117GJ105A106E4X	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,456:63:0	
2223	96	179	20:47:30.266	117GJ105A106E4Y	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,458:63:0	
2224	96	179	20:47:48.266	117GJ105A106E4Z	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,458:90:0	
2225	96	179	20:49:49.600	117GJ105A106E4AA	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,460:90:0	
2226	96	179	20:50:07.600	117GJ105A106E4AB	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,461:26:0	
2227	96	179	20:52:08.933	117GJ105A106E4AC	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,463:26:0	
2228	96	179	20:52:26.933	117GJ105A106E4AD	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,463:53:0	
2229	96	179	20:54:28.266	117GJ105A106E4AE	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,465:53:0	
2230	96	179	20:54:46.266	117GJ105A106E4AF	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,465:80:0	
2231	96	179	20:56:16.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,467:33:0	
2232	96	179	20:56:16.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4426.53 +/- 2	2R5	4	1	3,498,467:33:0	
2233	96	179	20:56:24.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4428.23 +/- 2	2R5	4	1	3,498,467:45:3	
2234	96	179	20:56:44.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4433.03 +/- 2	2R5	4	1	3,498,467:76:0	
2235	96	179	20:56:44.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,467:76:0	
2236	96	179	20:56:46.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4433.09 +/- 2	2R5	4	1	3,498,467:78:1	
2237	96	179	20:56:47.600	117GJ105A106E4AG	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,467:80:0	
2238	96	179	20:57:05.600	117GJ105A106E4AH	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,468:16:0	
2239	96	179	20:59:06.933	117GJ105A106E4AI	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,470:16:0	
2240	96	179	20:59:24.933	117GJ105A106E4AJ	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,470:43:0	
2241	96	179	21:01:26.266	117GJ105A106E4AK	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,472:43:0	
2242	96	179	21:01:44.266	117GJ105A106E4AL	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,472:70:0	
2243	96	179	21:03:45.600	117GJ105A106E4AM	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,474:70:0	
2244	96	179	21:04:03.600	117GJ105A106E4AN	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,475:06:0	
2245	96	179	21:06:04.933	117GJ105A106E4AO	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,477:06:0	
2246	96	179	21:06:22.933	117GJ105A106E4AP	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,477:33:0	
2247	96	179	21:08:24.266	117GJ105A106E4AQ	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,479:33:0	
2248	96	179	21:08:42.266	117GJ105A106E4AR	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,479:60:0	
2249	96	179	21:10:40.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,481:56:0	
2250	96	179	21:10:40.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4433.09 +/- 2	2R5	4	1	3,498,481:56:0	
2251	96	179	21:10:43.600	117GJ105A106E4AS	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,481:60:0	
2252	96	179	21:10:49.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4434.78 +/- 2	2R5	4	1	3,498,481:68:3	
2253	96	179	21:11:01.600	117GJ105A106E4AT	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,481:87:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2254	96	179	21:11:09.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,482	08:0
2255	96	179	21:11:09.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4439.58 +/- 2	2R5	4	1	3,498,482	08:0
2256	96	179	21:11:11.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4439.64 +/- 2	2R5	4	1	3,498,482	10:1
2257	96	179	21:13:02.933	117GJ105A106E4AU	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,483	87:0
2258	96	179	21:13:20.933	117GJ105A106E4AV	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,484	23:0
2259	96	179	21:15:22.266	117GJ105A106E4AW	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,486	23:0
2260	96	179	21:15:40.266	117GJ105A106E4AX	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,486	50:0
2261	96	179	21:17:41.600	117GJ105A106E4AY	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,488	50:0
2262	96	179	21:17:59.600	117GJ105A106E4AZ	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,488	77:0
2263	96	179	21:20:00.933	117GJ105A106E4BA	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,490	77:0
2264	96	179	21:20:18.933	117GJ105A106E4BB	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,491	13:0
2265	96	179	21:22:20.266	117GJ105A106E4BC	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,493	13:0
2266	96	179	21:22:38.266	117GJ105A106E4BD	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,493	40:0
2267	96	179	21:24:39.600	117GJ105A106E4BE	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,495	40:0
2268	96	179	21:24:57.600	117GJ105A106E4BF	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,495	67:0
2269	96	179	21:25:04.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,495	78:0
2270	96	179	21:25:04.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4439.64 +/- 2	2R5	4	1	3,498,495	78:0
2271	96	179	21:25:13.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4441.33 +/- 2	2R5	4	1	3,498,495	90:3
2272	96	179	21:25:33.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4446.13 +/- 2	2R5	4	1	3,498,496	30:0
2273	96	179	21:25:33.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,496	30:0
2274	96	179	21:25:35.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4446.19 +/- 2	2R5	4	1	3,498,496	32:1
2275	96	179	21:26:58.933	117GJ105A106E4BG	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,497	67:0
2276	96	179	21:27:16.933	117GJ105A106E4BH	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,498	03:0
2277	96	179	21:29:18.266	117GJ105A106E4BI	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,500	03:0
2278	96	179	21:29:36.266	117GJ105A106E4BJ	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,500	30:0
2279	96	179	21:31:37.600	117GJ105A106E4BK	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,502	30:0
2280	96	179	21:31:55.600	117GJ105A106E4BL	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,502	57:0
2281	96	179	21:33:56.933	117GJ105A106E4BM	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,504	57:0
2282	96	179	21:34:14.933	117GJ105A106E4BN	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,504	84:0
2283	96	179	21:36:16.266	117GJ105A106E4BO	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,506	84:0
2284	96	179	21:36:34.266	117GJ105A106E4BP	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,507	20:0
2285	96	179	21:38:35.600	117GJ105A106E4BQ	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,509	20:0
2286	96	179	21:38:53.600	117GJ105A106E4BR	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,509	47:0
2287	96	179	21:39:29.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,510	10:0
2288	96	179	21:39:29.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4446.19 +/- 2	2R5	4	1	3,498,510	10:0
2289	96	179	21:39:37.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4447.89 +/- 2	2R5	4	1	3,498,510	22:3
2290	96	179	21:39:58.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,510	53:0
2291	96	179	21:39:58.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4452.68 +/- 2	2R5	4	1	3,498,510	53:0
2292	96	179	21:39:59.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4452.74 +/- 2	2R5	4	1	3,498,510	55:1
2293	96	179	21:40:54.933	117GJ105A106E4BS	7STRP	-0.0024,-0.02191	Slew =17.01	2R5	4	1	3,498,511	47:0
2294	96	179	21:41:12.933	117GJ105A106E4BT	7STRP	0.0,0.022013,0,0	Slew =,0.51	2R5	4	1	3,498,511	74:0
2295	96	179	21:43:14.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,513	74:0
2296	96	179	21:43:14.266	176GJ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,498,513	74:0
2297	96	179	21:43:14.266	117GJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,498,513	74:0
2298	96	179	21:43:14.266		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4452.74 +/- 2	2R5	4	1	3,498,513	74:0
2299	96	179	21:43:22.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4454.44 +/- 2	2R5	4	1	3,498,513	86:3
2300	96	179	21:43:32.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,514	11:0
2301	96	179	21:43:32.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4456.89 +/- 2	2R5	4	1	3,498,514	11:0
2302	96	179	21:43:34.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4456.95 +/- 2	2R5	4	1	3,498,514	13:1
2303	96	179	21:44:24.933	165GN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,498,514	89:0
2304	96	179	21:44:25.600	165GN4B	7SCAN	NORM,327.760998,	Check S/P Position	2R5	4	1	3,498,514	90:0
2305	96	179	21:48:19.600	117GN	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,498,518	77:0
2306	96	179	21:48:28.933	117GN105A106A4A	7STRP	-0.024005,-0.002	Slew =,0.19	2R5	4	1	3,498,519	00:0
2307	96	179	21:48:28.933	176GN6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,498,519	00:0
2308	96	179	21:50:36.933	117GN105A106A4B	7STRP	0.023004,0.004,0	Slew =,8.01	2R5	4	1	3,498,521	10:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2309	96	179	21:50:43.600	117GN105A106A4C	7STRP	-0.024005,-0.002	Slew =,0.19	2R5	4	1	3,498,521:20:0	
2310	96	179	21:52:51.600	117GN105A106A4D	7STRP	0.023004,0.004,0	Slew =,8.01	2R5	4	1	3,498,523:30:0	
2311	96	179	21:52:58.266	117GN105A106A4E	7STRP	-0.024005,-0.002	Slew =,0.19	2R5	4	1	3,498,523:40:0	
2312	96	179	21:55:06.266	117GN105A106A4F	7STRP	0.023004,0.004,0	Slew =,8.01	2R5	4	1	3,498,525:50:0	
2313	96	179	21:55:12.933	117GN105A106A4G	7STRP	-0.024005,-0.002	Slew =,0.19	2R5	4	1	3,498,525:60:0	
2314	96	179	21:57:20.933	117GN105A106A4H	7STRP	0.023004,0.004,0	Slew =,8.01	2R5	4	1	3,498,527:70:0	
2315	96	179	21:57:27.600	117GN105A106A4I	7STRP	-0.024005,-0.002	Slew =,0.19	2R5	4	1	3,498,527:80:0	
2316	96	179	21:59:35.600		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4456.95 +/- 2	2R5	4	1	3,498,529:90:0	
2317	96	179	21:59:35.600	117GN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,498,529:90:0	
2318	96	179	21:59:35.600	176GN6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,498,529:90:0	
2319	96	179	21:59:35.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,529:90:0	
2320	96	179	21:59:43.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4458.65 +/- 2	2R5	4	1	3,498,530:11:3	
2321	96	179	21:59:58.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,530:34:0	
2322	96	179	21:59:58.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4462.20 +/- 2	2R5	4	1	3,498,530:34:0	
2323	96	179	22:00:00.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4462.26 +/- 2	2R5	4	1	3,498,530:36:1	
2324	96	179	22:09:41.600	165AQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,498,539:89:0	
2325	96	179	22:09:42.266	165AQ4B	7SCAN	NORM,238.251999,	Check S/P Position	2R5	4	1	3,498,539:90:0	
2326	96	179	22:13:28.933	175KJ422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R5	4	1	3,498,543:66:0	
2327	96	179	22:13:28.933		DMS:	: *US-RUNUP	R28, TRACK 3, FWD, TIC 4462.26 +/- 2	2R5	4	1	3,498,543:66:0	
2328	96	179	22:13:40.933	175KJ176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R5	4	1	3,498,543:84:0	
2329	96	179	22:13:41.000		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *4465.15 +/- 2	2R5	4	1	3,498,543:84:1	
2330	96	179	22:13:42.266		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *4466.27 +/- 2	2R5	4	1	3,498,543:86:0	
2331	96	179	22:13:42.266	175AB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,543:86:0	
2332	96	179	22:13:43.666		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4466.49 +/- 2	2R5	4	1	3,498,543:88:1	
2333	96	179	22:13:44.933	175AB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R5	4	1	3,498,543:90:0	
2334	96	179	22:13:45.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4466.61 +/- 2	2R5	4	1	3,498,543:90:3	
2335	96	179	22:14:46.266	175AB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,545:00:0	
2336	96	179	22:14:46.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4480.94 +/- 2	2R5	4	1	3,498,545:00:0	
2337	96	179	22:14:47.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4481.00 +/- 2	2R5	4	1	3,498,545:02:1	
2338	96	179	22:19:54.933	165GM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,498,550:08:0	
2339	96	179	22:19:55.600	165GM4B	7SCAN	NORM,301.103996,	Check S/P Position	2R5	4	1	3,498,550:09:0	
2340	96	179	22:21:54.933	117GM	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,498,552:06:0	
2341	96	179	22:22:11.600	176GM6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,498,552:31:0	
2342	96	179	22:22:11.600	117GM105A106A4A	7STRP	-0.0065,0.006,0,	Slew =,0.81	2R5	4	1	3,498,552:31:0	
2343	96	179	22:22:34.933	117GM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,498,552:66:0	
2344	96	179	22:22:44.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,498,552:81:0	
2345	96	179	22:22:44.933		DMS:	: *US-RUNUP	R7, TRACK 3, FWD, TIC 4481.00 +/- 2	2R5	4	1	3,498,552:81:0	
2346	96	179	22:22:44.933	176GM6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,498,552:81:0	
2347	96	179	22:22:53.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4482.69 +/- 2	2R5	4	1	3,498,553:02:3	
2348	96	179	22:23:00.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4484.52 +/- 2	2R5	4	1	3,498,553:14:0	
2349	96	179	22:23:00.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,498,553:14:0	
2350	96	179	22:23:02.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4484.58 +/- 2	2R5	4	1	3,498,553:16:1	
2351	96	179	22:26:52.933	165DB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,498,556:89:0	
2352	96	179	22:26:53.600	165DB4B	7SCAN	NORM,329.084,-16	Check S/P Position	2R5	4	1	3,498,556:90:0	
2353	**96**	**179**	**22:26:58.266**	**G1JNHOTMAP01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2354	96	179	22:30:47.600	117DB	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,498,560:77:0	
2355	96	179	22:30:52.266	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,498,560:84:0	
2356	**96**	**179**	**22:30:52.266**	**127DB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,498,560:84:0**	
2357	**96**	**179**	**22:30:52.933**	**127DB4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,498,560:85:0**	
2358	96	179	22:30:56.933	117DB105A106A4A	7STRP	-0.083997,0.0,0,	Slew =,0.04	2R3	4	0	3,498,561:00:0	
2359	96	179	22:31:00.933	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,498,561:06:0	
2360	96	179	22:32:35.600	488AS6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	3,498,562:57:0	
2361	96	179	22:40:44.266	488AS6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	3,498,570:62:0	
2362	96	179	22:41:47.600		DMS:	: *US-RUNUP	R28, TRACK 3, FWD, TIC 4484.58 +/- 2	2R3	4	0	3,498,571:66:0	
2363	96	179	22:41:47.600	175KK422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,498,571:66:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2364	96	179	22:41:59.600	175KK176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,498,571:84:0	
2365	96	179	22:41:59.666		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *4487.48 +/- 2	2R3	4	0	3,498,571:84:1	
2366	96	179	22:42:00.933		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *4488.59 +/- 2	2R3	4	0	3,498,571:86:0	
2367	96	179	22:42:00.933	175DB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,498,571:86:0	
2368	96	179	22:42:02.333		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4488.81 +/- 2	2R3	4	0	3,498,571:88:1	
2369	96	179	22:42:03.600	175DB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,498,571:90:0	
2370	96	179	22:42:03.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4488.93 +/- 2	2R3	4	0	3,498,571:90:3	
2371	**96**	**179**	**22:42:04.265**	**G1JNHOTMAP01-**	**NIMPBK**	**301DB**	**HOTMAP**	**2R3**	**4**	**0**	**: :**	
2372	96	179	23:06:02.933	117DB105A106A4B	7STRP	0.065092,0.008,0	Slew =12.01	2R3	4	0	3,498,595:65:0	
2373	96	179	23:06:16.933	117DB105A106A4C	7STRP	-0.083997,0.0,0,	Slew =,0.04	2R3	4	0	3,498,595:86:0	
2374	**96**	**179**	**23:25:44.930**	**G1JNHOTMAP01-**	**DESELC**	**300DB**	**HOTMAP**	**2R3**	**4**	**0**	**: :**	
2375	96	179	23:36:40.266	175DB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,498,626:00:0	
2376	96	179	23:36:40.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5256.85 +/- 2	2R3	4	0	3,498,626:00:0	
2377	96	179	23:36:40.266	175DB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,498,626:00:0	
2378	96	179	23:36:41.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5256.91 +/- 2	2R3	4	0	3,498,626:02:1	
2379	96	179	23:41:22.933	117DB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,498,630:60:0	
2380	**96**	**179**	**23:48:52.266**	**G1JNHOTMAP01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2381	96	179	23:56:52.266	165EC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,498,645:89:0	
2382	96	179	23:56:52.933	165EC4B	7SCAN	NORM,311.658997,	Check S/P Position	2R3	4	0	3,498,645:90:0	
2383	**96**	**179**	**23:56:57.600**	**G1ENNHILAT01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2384	96	179	23:59:50.933	125EC11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,498,648:84:0	
2385	96	179	23:59:50.933	125EC	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,498,648:84:0	
2386	**96**	**179**	**23:59:50.933**	**125EC4A**	**37IST**	**1,2,0,OFF,0,1,2**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**3R3**	**4**	**0**	**3,498,648:84:0**	
2387	96	180	00:00:39.600	175KL422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R3	4	0	3,498,649:66:0	
2388	96	180	00:00:39.600		DMS:	: *US-RUNUP	R28, TRACK 3, FWD, TIC 5256.91 +/- 2	3R3	4	0	3,498,649:66:0	
2389	96	180	00:00:46.933	117EC	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,498,649:77:0	
2390	96	180	00:00:51.600	175KL176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R3	4	0	3,498,649:84:0	
2391	96	180	00:00:51.600	127EC	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,498,649:84:0	
2392	**96**	**180**	**00:00:51.600**	**127EC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**3R3**	**4**	**0**	**3,498,649:84:0**	
2393	96	180	00:00:51.666		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *5259.81 +/- 2	3R3	4	0	3,498,649:84:1	
2394	**96**	**180**	**00:00:52.266**	**127EC4B**	**37ETB**	**07,C7,02,0C,00,0**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,498,649:85:0**	
2395	96	180	00:00:52.933	175EC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,498,649:86:0	
2396	96	180	00:00:52.933		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *5260.92 +/- 2	3R3	4	0	3,498,649:86:0	
2397	96	180	00:00:54.333		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5261.14 +/- 2	3R3	4	0	3,498,649:88:1	
2398	96	180	00:00:54.933	165EC4C	7VECT		Inert vect update UTC	3R3	4	0	3,498,649:89:0	
2399	96	180	00:00:55.600	175EC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	3,498,649:90:0	
2400	96	180	00:00:55.600	165EC4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,498,649:90:0	
2401	96	180	00:00:55.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5261.26 +/- 2	3R3	4	0	3,498,649:90:3	
2402	**96**	**180**	**00:00:56.262**	**G1ENNHILAT01-**	**NIMPBK**	**301EC**	**EUROPA NORTH HIGH LATITUDE COVER**	**3R3**	**4**	**0**	**: :**	
2403	96	180	00:00:56.266	117EC105A106A4A	7STRP	0.018802,0.0,0,0	Slew =,0.03	3R3	4	0	3,498,650:00:0	
2404	96	180	00:01:00.266	127EC11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,498,650:06:0	
2405	96	180	00:10:58.266	125FR11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,498,659:84:0	
2406	96	180	00:10:58.266	125FR	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,498,659:84:0	
2407	**96**	**180**	**00:10:58.266**	**125FR4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,498,659:84:0**	
2408	96	180	00:11:24.933	117EC105A106A4B	7STRP	-0.018502,0.0077	Slew =12.01	2R3	4	0	3,498,660:33:0	
2409	96	180	00:11:34.266	117EC105A106A4C	7STRP	0.018802,0.0,0,0	Slew =,0.03	2R3	4	0	3,498,660:47:0	
2410	**96**	**180**	**00:21:09.594**	**G1ENNHILAT01-**	**DESELC**	**300EC**	**EUROPA NORTH HIGH LATITUDE COVER**	**2R3**	**4**	**0**	**: :**	
2411	96	180	00:22:02.933	117EC105A106B4A	7STRP	-0.017302,0.0046	Slew =12.01	2R3	4	0	3,498,670:80:0	
2412	**96**	**180**	**00:22:05.600**	**125FL4A**	**37IST**	**1,2,0,OFF,0,1,2**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**3R3**	**4**	**0**	**3,498,670:84:0**	
2413	96	180	00:22:05.600	125FL	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,498,670:84:0	
2414	96	180	00:22:05.600	125FL11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,498,670:84:0	
2415	96	180	00:22:08.933	117EC105A106B4B	7STRP	0.016001,0.0,0,0	Slew =,0.03	3R3	4	0	3,498,670:89:0	
2416	96	180	00:31:04.266	117EC11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,498,679:73:0	
2417	96	180	00:31:04.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5685.12 +/- 2	3R3	4	0	3,498,679:73:0	
2418	96	180	00:31:04.266	175EC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,498,679:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2419	96	180	00:31:04.266	175EC422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,498,679:73:0	
2420	96	180	00:31:05.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5685.18 +/- 2	3R3	4	0	3,498,679:75:1	
2421	**96**	**180**	**00:32:05.600**	**G1ENNHILAT01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
2422	96	180	00:35:12.266	465KB6A	6DTRN	CMD,6DTRN,465KB6	DMS TRACK TURNAROUND	3R3	4	0	3,498,683:81:0	
2423	96	180	00:35:12.266		DMS:	: *DMS-TURN	P7, TRACK 3, FWD, TIC 5685.18 +/- 2	3R3	4	0	3,498,683:81:0	
2424	96	180	01:00:14.266		DMS:	: *REVERSE	P7, TRACK 3, FWD, TIC *6037.00 +/- 2	3R3	4	0	3,498,708:59:0	
2425	96	180	01:00:15.666		DMS:	: *TURNARND	P7, TRACK *4, *REV, TIC *6037.06 +/- 2	3R3	4	0	3,498,708:61:1	
2426	96	180	01:01:09.466		DMS:	: *AUTOSTOP	P7, TRACK 4, REV, TIC *6024.66 +/-	3R3	4	0	3,498,709:50:8	
2427	96	180	01:01:10.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC *6024.60 +/-	3R3	4	0	3,498,709:52:9	
2428	**96**	**180**	**01:41:58.266**	**125FD4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,498,749:84:0**	
2429	96	180	01:41:58.266	125FD11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,498,749:84:0	
2430	96	180	01:41:58.266	125FD	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,498,749:84:0	
2431	96	180	01:42:01.600	165IR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,498,749:89:0	
2432	96	180	01:42:02.266	165IR4B	7SCAN	NORM,321.786999,	Check S/P Position	2R3	4	0	3,498,749:90:0	
2433	**96**	**180**	**01:42:06.933**	**G1ENGLOBAL01***		**-----START------**		**2R3**	**4**	**0**	**: :**	
2434	96	180	01:42:53.600		DMS:	: *US-RUNUP	R403, TRACK 4, REV, TIC 6024.60 +/-	2R3	4	0	3,498,750:76:0	
2435	96	180	01:42:53.600	175IK422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	3,498,750:76:0	
2436	96	180	01:42:55.600	118IR	**SMOS**	GS		2R3	4	0	3,498,750:79:0	
2437	96	180	01:42:58.933	127FD	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,498,750:84:0	
2438	**96**	**180**	**01:42:58.933**	**127FD4A**	**37IOP**	**7,0**	**Fixed Map, Grating Start Position =00**	**2R7**	**4**	**0**	**3,498,750:84:0**	
2439	**96**	**180**	**01:42:59.600**	**127FD4B**	**37ETB**	**07,C7,19,FF,FF,0**	**Loads wavelength edit table**	**2R7**	**4**	**0**	**3,498,750:85:0**	
2440	96	180	01:43:02.266	165IR4C	7VECT		Inert vect update UTC	2R7	4	0	3,498,750:89:0	
2441	96	180	01:43:02.933	165IR4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R7	4	0	3,498,750:90:0	
2442	96	180	01:43:04.933	175IK176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R7	4	0	3,498,751:02:0	
2443	96	180	01:43:05.466		DMS:	**: *RECORD**	R403, TRACK 4, REV, TIC *6003.30 +/-	2R7	4	0	3,498,751:02:8	
2444	**96**	**180**	**01:43:05.591**	**G1ENGLOBAL01***	**NIMPBK**	**301FD**	**EUROPA COORDINATED SCIENCE NIMS/**	**2R7**	**4**	**0**	**: :**	
2445	96	180	01:43:05.600	118IR110A111A4A	7STRP	0.0,0.0065,26,0,	Slew =,3.01	2R7	4	0	3,498,751:03:0	
2446	96	180	01:43:07.600	127FD11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	0	3,498,751:06:0	
2447	96	180	01:43:14.266	118IR110A111A4B	7STRP	-0.0073,0.0,0,0,	Slew =,6.01	2R7	4	0	3,498,751:16:0	
2448	96	180	01:43:22.933	118IR110A111A4C	7STRP	0.0,0.0065,26,0,	Slew =,3.01	2R7	4	0	3,498,751:29:0	
2449	**96**	**180**	**01:43:31.591**	**G1ENGLOBAL01***	**DESELC**	**300FD**	**EUROPA COORDINATED SCIENCE NIMS/**	**2R7**	**4**	**0**	**: :**	
2450	96	180	01:43:31.600	118IR11A	**SMOS**	GE		2R7	4	0	3,498,751:42:0	
2451	96	180	01:43:31.600	116IR4A	7STRP	0.00525,0.00075,	Slew =0,5.0	2R7	4	0	3,498,751:42:0	
2452	96	180	01:45:04.933	465TI6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	2R7	4	0	3,498,753:00:0	
2453	96	180	01:45:04.933		DMS:	**: *RUNDOWN**	R403, TRACK 4, REV, TIC *4533.30 +/-	2R7	4	0	3,498,753:00:0	
2454	96	180	01:45:08.066		DMS:	: *RUNUP	P7, TRACK *1, *FWD, TIC *4529.30 +/-	2R7	4	0	3,498,753:04:7	
2455	96	180	01:45:09.533		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC *4529.42 +/-	2R7	4	0	3,498,753:06:9	
2456	**96**	**180**	**01:55:15.600**	**G1ENGLOBAL01***		**-----STOP-------**		**2R7**	**4**	**0**	**: :**	
2457	96	180	02:15:27.600		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4955.53 +/-	2R7	4	0	3,498,783:04:0	
2458	96	180	02:15:27.600	465TI6B	6DMSC	RDY,1	DMS Control Tape stop	2R7	4	0	3,498,783:04:0	
2459	96	180	02:15:29.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4955.59 +/-	2R7	4	0	3,498,783:06:1	
2460	96	180	02:20:18.933	465KC6A	6DMSC	P7,4	DMS Control Tape P/B 7.68kbps	2R7	4	0	3,498,787:77:0	
2461	96	180	02:20:18.933		DMS:	: *US-RUNUP	P7, TRACK *4, *REV, TIC 4955.59 +/-	2R7	4	0	3,498,787:77:0	
2462	96	180	02:20:28.466		DMS:	: *P_SLEW	P7, TRACK 4, REV, TIC *4956.87 +/-	2R7	4	0	3,498,788:00:3	
2463	96	180	02:22:59.600	488AS6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R7	4	0	3,498,790:45:0	
2464	96	180	02:27:08.933		DMS:	**: *RUNDOWN**	P7, TRACK 4, REV, TIC *4863.01 +/-	2R7	4	0	3,498,794:55:0	
2465	96	180	02:27:08.933	465KC6B	6DMSC	RDY,4	DMS Control Tape stop	2R7	4	0	3,498,794:55:0	
2466	96	180	02:27:10.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4862.95 +/-	2R7	4	0	3,498,794:57:1	
2467	96	180	02:39:00.933	31F6C,	6MROH		12 read from LLM1A12,2282,0,A2	2R7	4	0	3,498,806:31:0	
2468	96	180	02:45:00.266	481SA4A	7VECT		Inert vect update UTC	2R7	4	0	3,498,812:24:0	
2469	96	180	03:01:10.933	165GO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	0	3,498,828:24:0	
2470	96	180	03:01:11.600	165GO4B	7SCAN	NORM,330.822998,	Check S/P Position	2R7	4	0	3,498,828:25:0	
2471	96	180	03:03:00.266	117GO	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	0	3,498,830:06:0	
2472	96	180	03:03:13.600	117GO105A106A4A	7STRP	-0.007,0.006,0,0	Slew =,0.48	2R7	4	0	3,498,830:26:0	
2473	96	180	03:03:13.600	176GO6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R7	4	0	3,498,830:26:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2474	96	180	03:03:36.933	117GO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	0	3,498,830	61:0
2475	96	180	03:03:46.933	176GO6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	0	3,498,830	76:0
2476	96	180	03:03:46.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	0	3,498,830	76:0
2477	96	180	03:03:46.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4862.95 +/- 1	2R7	4	0	3,498,830	76:0
2478	96	180	03:03:56.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4864.22 +/- 1	2R7	4	0	3,498,830	90:3
2479	96	180	03:04:04.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4862.39 +/- 1	2R7	4	0	3,498,831	11:0
2480	96	180	03:04:04.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	3,498,831	11:0
2481	96	180	03:04:05.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4862.33 +/- 1	2R7	4	0	3,498,831	13:1
2482	96	180	03:08:29.600	488AS6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R7	4	0	3,498,835	45:0
2483	96	180	03:08:58.933	165EA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	0	3,498,835	89:0
2484	96	180	03:08:59.600	165EA4B	7SCAN	NORM,13.869,3.42	Check S/P Position	2R7	4	0	3,498,835	90:0
2485	**96**	**180**	**03:09:04.200**	**G1INCHEMIS01-**		**-----START------**		**2R7**	**4**	**0**	**: :**	
2486	96	180	03:09:56.266	125EA11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	0	3,498,836	84:0
2487	96	180	03:09:56.266	125EA	NIMSINIT	GS	##### GROUP START INIT	2R7	4	0	3,498,836	84:0
2488	**96**	**180**	**03:09:56.266**	**125EA4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R7**	**4**	**0**	**3,498,836**	**84:0**
2489	96	180	03:10:51.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4862.33 +/- 1	2R7	4	0	3,498,837	76:0
2490	96	180	03:10:51.600	175EA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	0	3,498,837	76:0
2491	96	180	03:10:52.266	117EA	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	0	3,498,837	77:0
2492	**96**	**180**	**03:10:56.933**	**127EA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,498,837**	**84:0**
2493	96	180	03:10:56.933	127EA	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,498,837	84:0
2494	**96**	**180**	**03:10:57.600**	**127EA4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,498,837**	**85:0**
2495	96	180	03:11:00.933	175EA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,498,837	90:0
2496	96	180	03:11:01.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4863.61 +/- 1	2R3	4	0	3,498,837	90:3
2497	**96**	**180**	**03:11:01.588**	**G1INCHEMIS01-**	**NIMPBK**	**301EA**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
2498	96	180	03:11:01.600	117EA105A106A4A	7STRP	0.0011,0.0,0,0,0	Slew =,0.02	2R3	4	0	3,498,838	00:0
2499	96	180	03:11:05.600	127EA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,498,838	06:0
2500	**96**	**180**	**03:12:01.588**	**G1INCHEMIS01-**	**DESELC**	**300EA**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
2501	96	180	03:12:01.600	117EA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,498,838	90:0
2502	96	180	03:12:11.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4847.09 +/- 1	2R3	4	0	3,498,839	14:0
2503	96	180	03:12:11.600	175EA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,498,839	14:0
2504	96	180	03:12:11.600	175EA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,498,839	14:0
2505	96	180	03:12:13.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4847.03 +/- 1	2R3	4	0	3,498,839	16:1
2506	**96**	**180**	**03:13:08.867**	**G1INCHEMIS01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2507	**96**	**180**	**03:14:07.533**	**G1INTHRMAL01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2508	96	180	03:14:26.933	165EB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,498,841	35:0
2509	96	180	03:14:27.600	165EB4B	7SCAN	NORM,14.088,3.51	Check S/P Position	2R3	4	0	3,498,841	36:0
2510	96	180	03:14:54.266	175EB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,498,841	76:0
2511	96	180	03:14:54.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4847.03 +/- 1	2R3	4	0	3,498,841	76:0
2512	96	180	03:14:54.933	117EB	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,498,841	77:0
2513	**96**	**180**	**03:14:59.600**	**127EB4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,498,841**	**84:0**
2514	96	180	03:14:59.600	127EB	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,498,841	84:0
2515	**96**	**180**	**03:15:00.266**	**127EB4B**	**37ETB**	**07,C7,19,D5,55,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,498,841**	**85:0**
2516	96	180	03:15:03.600	175EB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,498,841	90:0
2517	96	180	03:15:03.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4848.31 +/- 1	2R7	4	21	3,498,841	90:3
2518	**96**	**180**	**03:15:04.255**	**G1INTHRMAL01-**	**NIMPBK**	**301EB**	**MONITORING OF IO'S NIGHTSIDE**	**2R7**	**4**	**21**	**: :**	
2519	96	180	03:15:04.266	117EB105A106A4A	7STRP	0.0022,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,498,842	00:0
2520	96	180	03:15:08.266	127EB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,498,842	06:0
2521	96	180	03:15:10.933	175EB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,498,842	10:0
2522	96	180	03:15:10.933	175EB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,498,842	10:0
2523	96	180	03:15:10.933	117EB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,498,842	10:0
2524	96	180	03:15:10.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4846.64 +/- 1	2R7	4	21	3,498,842	10:0
2525	96	180	03:15:12.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4846.58 +/- 1	2R7	4	21	3,498,842	12:1
2526	**96**	**180**	**03:16:32.867**	**G1INTHRMAL01-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
2527	96	180	03:42:20.933	165IW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,498,868	89:0
2528	96	180	03:42:21.600	165IW4B	7SCAN	NORM,335.108997,	Check S/P Position	2R7	4	21	3,498,868	90:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2529	**96**	**180**	**03:42:26.266**	**G1ENEUTERM01-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
2530	96	180	03:46:14.933		DMS:	: *US-RUNUP	R403, TRACK 4, REV, TIC 4846.58 +/- 1	2R7	4	21	3,498,872:76:0	
2531	96	180	03:46:14.933	175IL422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R7	4	21	3,498,872:76:0	
2532	96	180	03:46:16.933	118IW	**SMOS**	GS		2R7	4	21	3,498,872:79:0	
2533	96	180	03:46:26.266	175IL176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R7	4	21	3,498,873:02:0	
2534	96	180	03:46:26.800		DMS:	**: *RECORD**	R403, TRACK 4, REV, TIC *4825.27 +/- 2	2R7	4	21	3,498,873:02:8	
2535	**96**	**180**	**03:46:26.920**	**G1INTHRMAL01-**	**DESELC**	**300EB**	**MONITORING OF IO'S NIGHTSIDE**	**2R7**	**4**	**21**	**: :**	
2536	96	180	03:46:26.933	118IW110A111A4A	7STRP	-0.00025,0.0064,	Slew =,3.01	2R7	4	21	3,498,873:03:0	
2537	**96**	**180**	**03:46:28.253**	**G1ENEUTERM01***	**NIMPBK**	**301FZ**	**EUROPA TERMINATOR**	**2R7**	**4**	**21**	**: :**	
2538	**96**	**180**	**03:46:35.586**	**G1ENEUTERM01***	**DESELC**	**300FZ**	**EUROPA TERMINATOR**	**2R7**	**4**	**21**	**: :**	
2539	96	180	03:46:35.600	118IW11A	**SMOS**	GE		2R7	4	21	3,498,873:16:0	
2540	96	180	03:47:16.933		DMS:	**: *RUNDOWN**	R403, TRACK 4, REV, TIC *4208.40 +/- 2	2R7	4	21	3,498,873:78:0	
2541	96	180	03:47:16.933	465TJ6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	2R7	4	21	3,498,873:78:0	
2542	96	180	03:47:20.066		DMS:	: *RUNUP	P7, TRACK *1, *FWD, TIC *4204.40 +/- 2	2R7	4	21	3,498,873:82:7	
2543	96	180	03:47:21.533		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC *4204.52 +/- 2	2R7	4	21	3,498,873:84:9	
2544	**96**	**180**	**03:48:30.266**	**G1ENEUTERM01-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
2545	96	180	04:00:47.600	488AS6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R7	4	21	3,498,887:20:0	
2546	96	180	04:17:39.600	465TJ6B	6DMSC	RDY,1	DMS Control Tape stop	2R7	4	21	3,498,903:82:0	
2547	96	180	04:17:39.600		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4630.63 +/- 2	2R7	4	21	3,498,903:82:0	
2548	96	180	04:17:41.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4630.69 +/- 2	2R7	4	21	3,498,903:84:1	
2549	96	180	04:17:41.600	465TK6A	6DMSC	RDY,4	DMS Control Tape stop	2R7	4	21	3,498,903:85:0	
2550	96	180	04:17:41.600		DMS:	: READY	RDY, TRACK *4, *REV, TIC 4630.69 +/- 2	2R7	4	21	3,498,903:85:0	
2551	96	180	04:28:26.933	488AT6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R7	4	21	3,498,914:52:0	
2552	96	180	04:30:59.600	488AT6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R7	4	21	3,498,917:08:0	
2553	96	180	05:25:10.933	165GP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,498,970:62:0	
2554	96	180	05:25:11.600	165GP4B	7SCAN	NORM,344.566998,	Check S/P Position	2R7	4	21	3,498,970:63:0	
2555	96	180	05:26:34.933	117GP	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,498,972:06:0	
2556	96	180	05:27:13.600	117GP105A106A4A	7STRP	-0.005,0.006,0,0	Slew =,0.41	2R7	4	21	3,498,972:64:0	
2557	96	180	05:27:13.600	176GP6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R7	4	21	3,498,972:64:0	
2558	96	180	05:27:36.933	117GP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,498,973:08:0	
2559	96	180	05:27:46.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,498,973:23:0	
2560	96	180	05:27:46.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4630.69 +/- 2	2R7	4	21	3,498,973:23:0	
2561	96	180	05:27:46.933	176GP6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,498,973:23:0	
2562	96	180	05:27:56.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4631.97 +/- 2	2R7	4	21	3,498,973:37:3	
2563	96	180	05:28:04.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4630.14 +/- 2	2R7	4	21	3,498,973:49:0	
2564	96	180	05:28:04.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,498,973:49:0	
2565	96	180	05:28:05.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4630.08 +/- 2	2R7	4	21	3,498,973:51:1	
2566	96	180	05:36:16.266	488AT6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R7	4	21	3,498,981:59:0	
2567	96	180	06:06:59.600	488AT6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R7	4	21	3,499,012:03:0	
2568	96	180	06:27:27.600	165GQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,499,032:25:0	
2569	96	180	06:27:28.266	165GQ4B	7SCAN	NORM,349.471996,	Check S/P Position	2R7	4	21	3,499,032:26:0	
2570	96	180	06:30:16.933	117GQ	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,499,035:06:0	
2571	96	180	06:30:30.933	117GQ105A106A4A	7STRP	-0.004,0.006,0,0	Slew =,0.37	2R7	4	21	3,499,035:27:0	
2572	96	180	06:30:30.933	176GQ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R7	4	21	3,499,035:27:0	
2573	96	180	06:30:54.266	117GQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,499,035:62:0	
2574	96	180	06:31:04.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4630.08 +/- 2	2R7	4	21	3,499,035:77:0	
2575	96	180	06:31:04.266	176GQ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,499,035:77:0	
2576	96	180	06:31:04.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,499,035:77:0	
2577	96	180	06:31:13.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4631.35 +/- 2	2R7	4	21	3,499,036:00:3	
2578	96	180	06:31:21.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,499,036:12:0	
2579	96	180	06:31:21.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4629.52 +/- 2	2R7	4	21	3,499,036:12:0	
2580	96	180	06:31:23.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4629.46 +/- 2	2R7	4	21	3,499,036:14:1	
2581	96	180	06:59:30.933	165ED4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,499,063:89:0	
2582	96	180	06:59:31.600	165ED4B	7SCAN	NORM,10.17,-0.98	Check S/P Position	2R7	4	21	3,499,063:90:0	
2583	**96**	**180**	**06:59:36.266**	**G1JNGRS09101-**		**-----START------**		**2R7**	**4**	**21**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2584	96	180	07:03:24.933		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4629.46 +/- 2	2R7	4	21	3,499,067:76:0	
2585	96	180	07:03:24.933	175ED422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,499,067:76:0	
2586	96	180	07:03:25.600	117ED	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,499,067:77:0	
2587	**96**	**180**	**07:03:30.266**	**127ED4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,499,067:84:0**	
2588	96	180	07:03:30.266	127ED	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,499,067:84:0	
2589	**96**	**180**	**07:03:30.933**	**127ED4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,499,067:85:0**	
2590	96	180	07:03:34.266	175ED176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,499,067:90:0	
2591	96	180	07:03:34.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4630.74 +/- 2	2R5	4	1	3,499,067:90:3	
2592	**96**	**180**	**07:03:34.913**	**G1JNGRS09101-**	**NIMPBK**	**301ED**	**GRS 91 PHASE #1**	**2R5**	**4**	**1**	**: :**	
2593	96	180	07:03:34.933	117ED105A106A4A	7STRP	0.015501,0.0,0,0	Slew =,0.11	2R5	4	1	3,499,068:00:0	
2594	96	180	07:03:38.933	127ED11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,499,068:06:0	
2595	96	180	07:06:08.933	117ED105A106A4B	7STRP	-0.015501,0.008,	Slew =12.01	2R5	4	1	3,499,070:49:0	
2596	96	180	07:06:18.933	117ED105A106A4C	7STRP	0.015501,0.0,0,0	Slew =,0.11	2R5	4	1	3,499,070:64:0	
2597	**96**	**180**	**07:08:52.913**	**G1JNGRS09101-**	**DESELC**	**300ED**	**GRS 91 PHASE #1**	**2R5**	**4**	**1**	**: :**	
2598	96	180	07:08:52.933	117ED11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,499,073:22:0	
2599	96	180	07:09:02.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4553.76 +/- 2	2R5	4	1	3,499,073:37:0	
2600	96	180	07:09:02.933	175ED6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,499,073:37:0	
2601	96	180	07:09:02.933	175ED422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,073:37:0	
2602	96	180	07:09:04.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4553.70 +/- 2	2R5	4	1	3,499,073:39:1	
2603	**96**	**180**	**07:10:42.266**	**G1JNGRS09101-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2604	96	180	07:15:00.266	481SB4A	7VECT		Inert vect update UTC	2R5	4	1	3,499,079:27:0	
2605	96	180	07:28:28.266	165GR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,499,092:56:0	
2606	96	180	07:28:28.933	165GR4B	7SCAN	NORM,353.5,-23.9	Check S/P Position	2R5	4	1	3,499,092:57:0	
2607	96	180	07:29:56.266	117GR	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,499,094:06:0	
2608	96	180	07:30:30.933	117GR105A106A4A	7STRP	-0.0038,0.006,0,	Slew =,0.35	2R5	4	1	3,499,094:58:0	
2609	96	180	07:30:30.933	176GR6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,499,094:58:0	
2610	96	180	07:30:54.266	117GR11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,499,095:02:0	
2611	96	180	07:31:04.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,095:17:0	
2612	96	180	07:31:04.266	176GR6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,499,095:17:0	
2613	96	180	07:31:04.266		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4553.70 +/- 2	2R5	4	1	3,499,095:17:0	
2614	96	180	07:31:13.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4554.97 +/- 3	2R5	4	1	3,499,095:31:3	
2615	96	180	07:31:21.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4553.14 +/- 3	2R5	4	1	3,499,095:43:0	
2616	96	180	07:31:21.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,095:43:0	
2617	96	180	07:31:23.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4553.08 +/- 3	2R5	4	1	3,499,095:45:1	
2618	96	180	07:35:54.933	165EF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,499,099:89:0	
2619	96	180	07:35:55.600	165EF4B	7SCAN	NORM,11.869,-0.2	Check S/P Position	2R5	4	1	3,499,099:90:0	
2620	**96**	**180**	**07:36:00.266**	**G1JNGRSSUB01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2621	96	180	07:37:47.600	175EF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,101:76:0	
2622	96	180	07:37:47.600		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 4553.08 +/- 3	2R5	4	1	3,499,101:76:0	
2623	96	180	07:37:48.266	117EF	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,499,101:77:0	
2624	**96**	**180**	**07:37:52.933**	**127EF4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,499,101:84:0**	
2625	96	180	07:37:52.933	127EF	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,499,101:84:0	
2626	**96**	**180**	**07:37:53.600**	**127EF4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,499,101:85:0**	
2627	96	180	07:37:56.266	165EF4C	7VECT		Inert vect update UTC	2R3	4	0	3,499,101:89:0	
2628	96	180	07:37:56.933	175EF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,499,101:90:0	
2629	96	180	07:37:56.933	165EF4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,499,101:90:0	
2630	96	180	07:37:57.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4554.36 +/- 3	2R3	4	0	3,499,101:90:3	
2631	96	180	07:37:57.600	117EF105A106A4A	7STRP	0.047035,0.0,0,0	Slew =,0.03	2R3	4	0	3,499,102:00:0	
2632	96	180	07:38:01.600	127EF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,499,102:06:0	
2633	96	180	07:42:59.600	488AT6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	3,499,106:89:0	
2634	96	180	08:04:17.600	117EF105A106A4B	7STRP	-0.04503,0.008,0	Slew =12.01	2R3	4	0	3,499,128:04:0	
2635	96	180	08:04:25.600	117EF105A106A4C	7STRP	0.047035,0.0,0,0	Slew =,0.03	2R3	4	0	3,499,128:16:0	
2636	96	180	08:23:31.600	488AU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	3,499,147:06:0	
2637	96	180	08:30:45.600	117EF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,499,154:20:0	
2638	96	180	08:30:55.600	175EF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,499,154:35:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2639	96	180	08:30:55.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3809.41 +/- 3	2R3	4	0	3,499,154:35:0	
2640	96	180	08:30:55.600	175EF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,499,154:35:0	
2641	96	180	08:30:57.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3809.35 +/- 3	2R3	4	0	3,499,154:37:1	
2642	**96**	**180**	**08:31:00.932**	**G1JNGRSSUB01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2643	96	180	08:43:39.600	165EE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,499,166:89:0	
2644	96	180	08:43:40.266	165EE4B	7SCAN	NORM,14.171,0.75	Check S/P Position	2R3	4	0	3,499,166:90:0	
2645	**96**	**180**	**08:43:44.932**	**G1JNGRS09102-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2646	96	180	08:47:33.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3809.35 +/- 3	2R3	4	0	3,499,170:76:0	
2647	96	180	08:47:33.533	175EE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,499,170:76:0	
2648	96	180	08:47:34.200	117EE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,499,170:77:0	
2649	**96**	**180**	**08:47:38.866**	**127EE4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,499,170:84:0**	
2650	96	180	08:47:38.866	127EE	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,499,170:84:0	
2651	**96**	**180**	**08:47:39.533**	**127EE4B**	**37ETB**	**,CD,02,00,00,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,499,170:85:0**	
2652	96	180	08:47:42.866	175EE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,499,170:90:0	
2653	96	180	08:47:43.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3810.62 +/- 3	2R5	4	1	3,499,170:90:3	
2654	96	180	08:47:43.533	117EE105A106A4A	7STRP	0.042025,0.0,0,0	Slew =,0.12	2R5	4	1	3,499,171:00:0	
2655	**96**	**180**	**08:47:43.576**	**G1JNGRS09102-**	**NIMPBK**	**301EE**	**GRS 91 PHASE #2**	**2R5**	**4**	**1**	**: :**	
2656	96	180	08:47:47.533	127EE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,499,171:06:0	
2657	96	180	08:53:37.533	117EE105A106A4B	7STRP	-0.044028,0.008,	Slew =12.01	2R5	4	1	3,499,176:76:0	
2658	96	180	08:53:45.533	117EE105A106A4C	7STRP	0.042025,0.0,0,0	Slew =,0.12	2R5	4	1	3,499,176:88:0	
2659	96	180	08:59:39.533	117EE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,499,182:73:0	
2660	**96**	**180**	**08:59:39.575**	**G1JNGRS09102-**	**DESELC**	**300EE**	**GRS 91 PHASE #2**	**2R5**	**4**	**1**	**: :**	
2661	**96**	**180**	**08:59:45.599**	**G1JNGRS09102-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2662	96	180	08:59:49.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3640.36 +/- 3	2R5	4	1	3,499,182:88:0	
2663	96	180	08:59:49.533	175EE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,499,182:88:0	
2664	96	180	08:59:49.533	175EE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,182:88:0	
2665	96	180	08:59:50.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3640.30 +/- 3	2R5	4	1	3,499,182:90:1	
2666	96	180	09:01:33.533	488AU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R5	4	1	3,499,184:62:0	
2667	96	180	09:05:20.866	165GS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,499,188:39:0	
2668	96	180	09:05:21.533	165GS4B	7SCAN	NORM,358.903,-18	Check S/P Position	2R5	4	1	3,499,188:40:0	
2669	96	180	09:07:00.200	117GS	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,499,190:06:0	
2670	96	180	09:07:23.533	176GS6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,499,190:41:0	
2671	96	180	09:07:23.533	117GS105A106A4A	7STRP	-0.003,0.006,0,0	Slew =,0.34	2R5	4	1	3,499,190:41:0	
2672	96	180	09:07:46.866	117GS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,499,190:76:0	
2673	96	180	09:07:56.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,191:00:0	
2674	96	180	09:07:56.866	176GS6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,499,191:00:0	
2675	96	180	09:07:56.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3640.30 +/- 3	2R5	4	1	3,499,191:00:0	
2676	96	180	09:08:06.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3641.57 +/- 3	2R5	4	1	3,499,191:14:3	
2677	96	180	09:08:14.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3639.74 +/- 3	2R5	4	1	3,499,191:26:0	
2678	96	180	09:08:14.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,191:26:0	
2679	96	180	09:08:15.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3639.68 +/- 3	2R5	4	1	3,499,191:28:1	
2680	96	180	09:15:00.200	488AU6C	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	2R5	4	1	3,499,197:89:0	
2681	96	180	09:28:51.533	488AU6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R5	4	1	3,499,211:62:0	
2682	96	180	09:31:10.866	165EH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,499,213:89:0	
2683	96	180	09:31:11.533	165EH4B	7SCAN	NORM,12.686,0.23	Check S/P Position	2R5	4	1	3,499,213:90:0	
2684	**96**	**180**	**09:31:16.266**	**G1JNGRS5UM01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2685	96	180	09:32:08.200	125EH	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,499,214:84:0	
2686	96	180	09:32:08.200	125EH11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	3,499,214:84:0	
2687	**96**	**180**	**09:32:08.200**	**125EH4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R5**	**4**	**1**	**3,499,214:84:0**	
2688	96	180	09:33:03.533	175EH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R5	4	1	3,499,215:76:0	
2689	96	180	09:33:03.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3639.68 +/- 3	4R5	4	1	3,499,215:76:0	
2690	96	180	09:33:04.200	117EH	**CSMOS**	GS	***** GROUP START CSMOS	4R5	4	1	3,499,215:77:0	
2691	96	180	09:33:08.866	127EH	NIMSTAB	GS	%%%%% GROUP START TAB	4R5	4	1	3,499,215:84:0	
2692	**96**	**180**	**09:33:08.866**	**127EH4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,499,215:84:0**	
2693	**96**	**180**	**09:33:09.533**	**127EH4B**	**37ETB**	**,CD,02,03,FF,1A,**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,499,215:85:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2694	96	180	09:33:12.866	175EH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,499,215:90:0
2695	96	180	09:33:13.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3640.96 +/- 3	4R3	4	0	3,499,215:90:3
2696	96	180	09:33:13.533	117EH105A106A4A	7STRP	-0.032011,0.0,0,	Slew =,0.03	4R3	4	0	3,499,216:00:0
2697	96	180	09:33:17.533	127EH11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,499,216:06:0
2698	96	180	09:51:03.533	117EH105A106A4B	7STRP	0.026006,0.008,0	Slew =12.01	4R3	4	0	3,499,233:58:0
2699	96	180	09:51:11.533	117EH105A106A4C	7STRP	-0.032011,0.0,0,	Slew =,0.03	4R3	4	0	3,499,233:70:0
2700	96	180	10:01:39.533	488AU6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	3,499,244:11:0
2701	96	180	10:09:01.533	117EH11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,499,251:37:0
2702	96	180	10:09:11.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3135.07 +/- 3	4R3	4	0	3,499,251:52:0
2703	96	180	10:09:11.533	175EH422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,251:52:0
2704	96	180	10:09:11.533	175EH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,499,251:52:0
2705	96	180	10:09:12.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3135.01 +/- 3	4R3	4	0	3,499,251:54:1
2706	**96**	**180**	**10:09:16.932**	**G1JNGRS5UM01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
2707	96	180	10:12:34.200	165GT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,499,254:83:0
2708	96	180	10:12:34.866	165GT4B	7SCAN	NORM,2.047,-15.6	Check S/P Position	4R3	4	0	3,499,254:84:0
2709	96	180	10:14:44.866	117GT	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,499,257:06:0
2710	96	180	10:15:37.533	117GT105A106A4A	7STRP	-0.003,0.006,0,0	Slew =,0.34	4R3	4	0	3,499,257:85:0
2711	96	180	10:15:37.533	176GT6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,499,257:85:0
2712	96	180	10:16:00.866	117GT11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,499,258:29:0
2713	96	180	10:16:10.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3135.01 +/- 3	4R3	4	0	3,499,258:44:0
2714	96	180	10:16:10.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,258:44:0
2715	96	180	10:16:10.866	176GT6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,499,258:44:0
2716	96	180	10:16:20.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3136.28 +/- 4	4R3	4	0	3,499,258:58:3
2717	96	180	10:16:28.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,258:70:0
2718	96	180	10:16:28.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3134.46 +/- 4	4R3	4	0	3,499,258:70:0
2719	96	180	10:16:29.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3134.40 +/- 4	4R3	4	0	3,499,258:72:1
2720	96	180	10:17:41.533	165EI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,499,259:89:0
2721	96	180	10:17:42.200	165EI4B	7SCAN	NORM,15.044,1.48	Check S/P Position	4R3	4	0	3,499,259:90:0
2722	**96**	**180**	**10:17:46.932**	**G1JNGRS3UM01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
2723	96	180	10:18:33.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 3134.40 +/- 4	4R3	4	0	3,499,260:76:0
2724	96	180	10:18:33.533	175EI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,260:76:0
2725	96	180	10:18:34.200	117EI	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,499,260:77:0
2726	96	180	10:18:38.866	127EI	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,499,260:84:0
2727	**96**	**180**	**10:18:39.533**	**127EI4A**	**37ETB**		**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,499,260:85:0**
2728	96	180	10:18:42.200	165EI4C	7VECT		Inert vect update UTC	4R3	4	0	3,499,260:89:0
2729	96	180	10:18:42.866	175EI176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,499,260:90:0
2730	96	180	10:18:42.866	165EI4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	4R3	4	0	3,499,260:90:0
2731	96	180	10:18:43.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3135.67 +/- 4	4R3	4	0	3,499,260:90:3
2732	96	180	10:18:43.533	117EI105A106A4A	7STRP	0.028708,0.0,0,0	Slew =,0.03	4R3	4	0	3,499,261:00:0
2733	96	180	10:18:47.533	127EI11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,499,261:06:0
2734	96	180	10:34:49.533	117EI105A106A4B	7STRP	-0.032011,0.008,	Slew =12.01	4R3	4	0	3,499,276:84:0
2735	96	180	10:34:59.533	117EI105A106A4C	7STRP	0.028708,0.0,0,0	Slew =,0.03	4R3	4	0	3,499,277:08:0
2736	96	180	10:51:05.533	117EI11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,499,293:01:0
2737	**96**	**180**	**10:51:08.932**	**G1JNGRS3UM01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
2738	96	180	10:51:15.533	175EI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,499,293:16:0
2739	96	180	10:51:15.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2678.06 +/- 4	4R3	4	0	3,499,293:16:0
2740	96	180	10:51:15.533	175EI422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,293:16:0
2741	96	180	10:51:16.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2678.00 +/- 4	4R3	4	0	3,499,293:18:1
2742	**96**	**180**	**11:16:25.533**	**G1INCHEMIS02-**		**-----START------**		**4R3**	**4**	**0**	**: :**
2743	96	180	11:17:14.200	165EL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,499,318:79:0
2744	96	180	11:17:14.866	165EL4B	7SCAN	NORM,46.293,14.7	Check S/P Position	4R3	4	0	3,499,318:80:0
2745	**96**	**180**	**11:18:18.200**	**125EL4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,499,319:84:0**
2746	96	180	11:18:18.200	125EL11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,499,319:84:0
2747	96	180	11:18:18.200	125EL	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,499,319:84:0
2748	96	180	11:19:13.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2678.00 +/- 4	2R3	4	0	3,499,320:76:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2749	96	180	11:19:13.533	175EL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,499,320:76:0	
2750	96	180	11:19:14.200	117EL	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,499,320:77:0	
2751	96	180	11:19:18.866	127EL	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,499,320:84:0	
2752	**96**	**180**	**11:19:19.533**	**127EL4A**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,499,320:85:0**	
2753	96	180	11:19:22.866	175EL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,499,320:90:0	
2754	96	180	11:19:23.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2679.28 +/- 4	2R3	4	0	3,499,320:90:3	
2755	96	180	11:19:23.533	117EL105A106A4A	7STRP	0.0019,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,499,321:00:0	
2756	**96**	**180**	**11:19:23.570**	**G1INCHEMIS02-**	**NIMPBK**	**301EL**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
2757	96	180	11:19:27.533	127EL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,499,321:06:0	
2758	96	180	11:20:31.533	117EL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,499,322:11:0	
2759	**96**	**180**	**11:20:31.570**	**G1INCHEMIS02-**	**DESELC**	**300EL**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
2760	96	180	11:20:41.533	175EL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,499,322:26:0	
2761	96	180	11:20:41.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2660.89 +/- 4	2R3	4	0	3,499,322:26:0	
2762	96	180	11:20:41.533	175EL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,499,322:26:0	
2763	96	180	11:20:42.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2660.83 +/- 4	2R3	4	0	3,499,322:28:1	
2764	**96**	**180**	**11:20:46.867**	**G1INCHEMIS02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2765	96	180	11:21:23.533	165EK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,499,322:89:0	
2766	96	180	11:21:24.200	165EK4B	7SCAN	NORM,46.407,14.7	Check S/P Position	2R3	4	0	3,499,322:90:0	
2767	**96**	**180**	**11:21:28.867**	**G1INTHRMAL02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2768	96	180	11:22:20.866	125EK	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,499,323:84:0	
2769	**96**	**180**	**11:22:20.866**	**125EK4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,499,323:84:0**	
2770	96	180	11:22:20.866	125EK11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,499,323:84:0	
2771	96	180	11:23:16.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2660.83 +/- 4	4R3	4	0	3,499,324:76:0	
2772	96	180	11:23:16.200	175EK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,324:76:0	
2773	96	180	11:23:16.866	117EK	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,499,324:77:0	
2774	96	180	11:23:21.533	127EK	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,499,324:84:0	
2775	**96**	**180**	**11:23:22.200**	**127EK4A**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,499,324:85:0**	
2776	96	180	11:23:25.533	175EK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,499,324:90:0	
2777	96	180	11:23:25.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2662.10 +/- 4	4R3	4	0	3,499,324:90:3	
2778	96	180	11:23:26.200	117EK105A106A4A	7STRP	0.0027,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,499,325:00:0	
2779	**96**	**180**	**11:23:26.237**	**G1INTHRMAL02-**	**NIMPBK**	**301EK**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
2780	96	180	11:23:30.200	127EK11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,499,325:06:0	
2781	96	180	11:25:02.200	117EK11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,499,326:53:0	
2782	**96**	**180**	**11:25:02.237**	**G1INTHRMAL02-**	**DESELC**	**300EK**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
2783	96	180	11:25:12.200	175EK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,326:68:0	
2784	96	180	11:25:12.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2637.15 +/- 4	4R3	4	0	3,499,326:68:0	
2785	96	180	11:25:12.200	175EK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,499,326:68:0	
2786	96	180	11:25:13.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2637.09 +/- 4	4R3	4	0	3,499,326:70:1	
2787	**96**	**180**	**11:26:06.867**	**G1INTHRMAL02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2788	96	180	11:26:26.866	165EM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,499,327:89:0	
2789	96	180	11:26:27.533	165EM4B	7SCAN	NORM,46.615,14.7	Check S/P Position	4R3	4	0	3,499,327:90:0	
2790	**96**	**180**	**11:26:32.200**	**G1INVOLCAN05-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2791	96	180	11:27:24.200	125EM	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,499,328:84:0	
2792	**96**	**180**	**11:27:24.200**	**125EM4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,499,328:84:0**	
2793	96	180	11:27:24.200	125EM11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,499,328:84:0	
2794	96	180	11:28:19.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2637.09 +/- 4	2R3	4	0	3,499,329:76:0	
2795	96	180	11:28:19.533	175EM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,499,329:76:0	
2796	96	180	11:28:20.200	117EM	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,499,329:77:0	
2797	**96**	**180**	**11:28:24.866**	**127EM4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,499,329:84:0**	
2798	96	180	11:28:24.866	127EM	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,499,329:84:0	
2799	**96**	**180**	**11:28:25.533**	**127EM4B**	**37ETB**	**07,C7,19,D5,55,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,499,329:85:0**	
2800	96	180	11:28:28.866	175EM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,499,329:90:0	
2801	96	180	11:28:29.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2638.37 +/- 4	2R7	4	21	3,499,329:90:3	
2802	96	180	11:28:29.533	117EM105A106A4A	7STRP	0.00375,0.0,0,0,	Slew =,0.76	2R7	4	21	3,499,330:00:0	
2803	**96**	**180**	**11:28:29.570**	**G1INVOLCAN05-**	**NIMPBK**	**301EM**	**MONITORING OF SELECTED VOLCANIC**	**2R7**	**4**	**21**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2804	96	180	11:28:33.533	127EM11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,499,330:06:0	
2805	96	180	11:28:38.200	117EM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,499,330:13:0	
2806	**96**	**180**	**11:28:38.237**	**G1INVOLCAN05-**	**DESELC**	**300EM**	**MONITORING OF SELECTED VOLCANIC**	**2R7**	**4**	**21**	**: :**	
2807	96	180	11:28:48.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2633.88 +/- 4	2R7	4	21	3,499,330:28:0	
2808	96	180	11:28:48.200	175EM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,499,330:28:0	
2809	96	180	11:28:48.200	175EM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,499,330:28:0	
2810	96	180	11:28:49.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2633.82 +/- 4	2R7	4	21	3,499,330:30:1	
2811	**96**	**180**	**11:30:49.533**	**G1INVOLCAN05-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
2812	96	180	12:00:49.533	165GU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,499,361:89:0	
2813	96	180	12:00:50.200	165GU4B	7SCAN	NORM,6.174,-10.9	Check S/P Position	2R7	4	21	3,499,361:90:0	
2814	96	180	12:02:42.866	117GU	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,499,363:77:0	
2815	96	180	12:02:52.200	117GU105A106A4A	7STRP	-0.0025,0.006,0,	Slew =,0.32	2R7	4	21	3,499,364:00:0	
2816	96	180	12:02:52.200	176GU6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R7	4	21	3,499,364:00:0	
2817	96	180	12:03:15.533	117GU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,499,364:35:0	
2818	96	180	12:03:25.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,499,364:50:0	
2819	96	180	12:03:25.533	176GU6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,499,364:50:0	
2820	96	180	12:03:25.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2633.82 +/- 4	2R7	4	21	3,499,364:50:0	
2821	96	180	12:03:35.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2635.10 +/- 5	2R7	4	21	3,499,364:64:3	
2822	96	180	12:03:42.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,499,364:76:0	
2823	96	180	12:03:42.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2633.27 +/- 5	2R7	4	21	3,499,364:76:0	
2824	96	180	12:03:44.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2633.21 +/- 5	2R7	4	21	3,499,364:78:1	
2825	96	180	12:23:04.200	165EN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,499,383:89:0	
2826	96	180	12:23:04.866	165EN4B	7SCAN	NORM,48.883,15.3	Check S/P Position	2R7	4	21	3,499,383:90:0	
2827	**96**	**180**	**12:23:09.533**	**G1INVOLCAN04-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
2828	96	180	12:24:56.866	175EN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,499,385:76:0	
2829	96	180	12:24:56.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2633.21 +/- 5	2R7	4	21	3,499,385:76:0	
2830	96	180	12:24:57.533	117EN	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,499,385:77:0	
2831	96	180	12:25:02.200	127EN	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,499,385:84:0	
2832	**96**	**180**	**12:25:02.866**	**127EN4A**	**37ETB**	**07,C7,19,D5,55,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,499,385:85:0**	
2833	96	180	12:25:06.200	175EN176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,499,385:90:0	
2834	96	180	12:25:06.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2634.48 +/- 5	2R7	4	21	3,499,385:90:3	
2835	96	180	12:25:06.866	117EN105A106A4A	7STRP	0.00375,0.0,0,0,	Slew =,0.76	2R7	4	21	3,499,386:00:0	
2836	**96**	**180**	**12:25:06.902**	**G1INVOLCAN04-**	**NIMPBK**	**301EN**	**MONITORING OF SELECTED VOLCANIC**	**2R7**	**4**	**21**	**: :**	
2837	96	180	12:25:10.866	127EN11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,499,386:06:0	
2838	96	180	12:25:15.533	117EN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,499,386:13:0	
2839	**96**	**180**	**12:25:15.568**	**G1INVOLCAN04-**	**DESELC**	**300EN**	**MONITORING OF SELECTED VOLCANIC**	**2R7**	**4**	**21**	**: :**	
2840	96	180	12:25:25.533	175EN6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,499,386:28:0	
2841	96	180	12:25:25.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2630.00 +/- 5	2R7	4	21	3,499,386:28:0	
2842	96	180	12:25:25.533	175EN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,499,386:28:0	
2843	96	180	12:25:26.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2629.94 +/- 5	2R7	4	21	3,499,386:30:1	
2844	**96**	**180**	**12:27:26.867**	**G1INVOLCAN04-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
2845	96	180	13:11:37.533	192GV4A	7CONE	17.4,0.0	Check S/P Position	2R7	4	21	3,499,432:00:0	
2846	96	180	13:16:24.200	176GV6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R7	4	21	3,499,436:66:0	
2847	96	180	13:17:50.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2629.94 +/- 5	2R7	4	21	3,499,438:14:0	
2848	96	180	13:17:50.866	176GV6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,499,438:14:0	
2849	96	180	13:17:50.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,499,438:14:0	
2850	96	180	13:18:00.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2631.22 +/- 5	2R7	4	21	3,499,438:28:3	
2851	96	180	13:18:08.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2629.23 +/- 5	2R7	4	21	3,499,438:41:0	
2852	96	180	13:18:08.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,499,438:41:0	
2853	96	180	13:18:10.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2629.17 +/- 5	2R7	4	21	3,499,438:43:1	
2854	96	180	13:43:57.533	165EO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,499,463:89:0	
2855	96	180	13:43:58.200	165EO4B	7SCAN	NORM,51.51,15.89	Check S/P Position	2R7	4	21	3,499,463:90:0	
2856	**96**	**180**	**13:45:03.533**	**G1INCHEMIS03-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
2857	96	180	13:47:51.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2629.17 +/- 5	2R7	4	21	3,499,467:76:0	
2858	96	180	13:47:51.533	175EO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,499,467:76:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2859	96	180	13:47:52.200	117EO	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,499,467:77:0	
2860	96	180	13:47:56.866	127EO	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,499,467:84:0	
2861	**96**	**180**	**13:47:56.866**	**127EO4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,499,467:84:0**	
2862	**96**	**180**	**13:47:57.533**	**127EO4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,499,467:85:0**	
2863	96	180	13:48:00.866	175EO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,499,467:90:0	
2864	96	180	13:48:01.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2630.45 +/- 5	2R3	4	0	3,499,467:90:3	
2865	96	180	13:48:01.533	117EO105A106A4A	7STRP	0.0025,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,499,468:00:0	
2866	**96**	**180**	**13:48:01.564**	**G1INCHEMIS03-**	**NIMPBK**	**301EO**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
2867	96	180	13:48:05.533	127EO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,499,468:06:0	
2868	96	180	13:49:30.866	117EO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,499,469:43:0	
2869	**96**	**180**	**13:49:30.898**	**G1INCHEMIS03-**	**DESELC**	**300EO**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
2870	96	180	13:49:40.866	175EO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,499,469:58:0	
2871	96	180	13:49:40.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2607.06 +/- 5	2R3	4	0	3,499,469:58:0	
2872	96	180	13:49:40.866	175EO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,499,469:58:0	
2873	96	180	13:49:42.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2607.00 +/- 5	2R3	4	0	3,499,469:60:1	
2874	**96**	**180**	**13:50:35.533**	**G1INCHEMIS03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2875	96	180	13:52:02.866	165EP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,499,471:89:0	
2876	96	180	13:52:03.533	165EP4B	7SCAN	NORM,51.323,15.8	Check S/P Position	2R3	4	0	3,499,471:90:0	
2877	**96**	**180**	**13:52:08.200**	**G1INTHRMAL03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2878	96	180	13:53:00.200	125EP	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,499,472:84:0	
2879	**96**	**180**	**13:53:00.200**	**125EP4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,499,472:84:0**	
2880	96	180	13:53:00.200	125EP11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,499,472:84:0	
2881	96	180	13:53:55.533	175EP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,473:76:0	
2882	96	180	13:53:55.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2607.00 +/- 5	4R3	4	0	3,499,473:76:0	
2883	96	180	13:53:56.200	117EP	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,499,473:77:0	
2884	96	180	13:54:00.866	127EP	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,499,473:84:0	
2885	**96**	**180**	**13:54:01.533**	**127EP4A**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,499,473:85:0**	
2886	96	180	13:54:04.866	175EP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,499,473:90:0	
2887	96	180	13:54:05.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2608.27 +/- 5	4R3	4	0	3,499,473:90:3	
2888	96	180	13:54:05.533	117EP105A106A4A	7STRP	-0.0058,0.0,0,0,	Slew =,0.03	4R3	4	0	3,499,474:00:0	
2889	**96**	**180**	**13:54:05.564**	**G1INTHRMAL03-**	**NIMPBK**	**301EP**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
2890	96	180	13:54:09.533	127EP11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,499,474:06:0	
2891	96	180	13:57:30.200	117EP11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,499,477:34:0	
2892	**96**	**180**	**13:57:30.231**	**G1INTHRMAL03-**	**DESELC**	**300EP**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
2893	96	180	13:57:40.200	175EP422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,477:49:0	
2894	96	180	13:57:40.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2557.85 +/- 5	4R3	4	0	3,499,477:49:0	
2895	96	180	13:57:40.200	175EP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,499,477:49:0	
2896	96	180	13:57:41.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2557.79 +/- 5	4R3	4	0	3,499,477:51:1	
2897	**96**	**180**	**13:58:36.200**	**G1INTHRMAL03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2898	96	180	14:00:46.866	165GY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,499,480:56:0	
2899	96	180	14:00:47.533	165GY4B	7SCAN	NORM,9.977,-6.56	Check S/P Position	4R3	4	0	3,499,480:57:0	
2900	96	180	14:02:14.866	117GY	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,499,482:06:0	
2901	96	180	14:02:49.533	176GY6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,499,482:58:0	
2902	96	180	14:02:49.533	117GY105A106A4A	7STRP	-0.0015,0.006,0,	Slew =,0.32	4R3	4	0	3,499,482:58:0	
2903	96	180	14:03:12.866	117GY11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,499,483:02:0	
2904	96	180	14:03:22.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,483:17:0	
2905	96	180	14:03:22.866	176GY6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,499,483:17:0	
2906	96	180	14:03:22.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2557.79 +/- 6	4R3	4	0	3,499,483:17:0	
2907	96	180	14:03:32.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2559.07 +/- 6	4R3	4	0	3,499,483:31:3	
2908	96	180	14:03:40.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2557.24 +/- 6	4R3	4	0	3,499,483:43:0	
2909	96	180	14:03:40.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,483:43:0	
2910	96	180	14:03:41.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2557.18 +/- 6	4R3	4	0	3,499,483:45:1	
2911	96	180	14:06:12.200	165HF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,499,485:89:0	
2912	96	180	14:06:12.866	165HF4B	7SCAN	NORM,29.182,8.79	Check S/P Position	4R3	4	0	3,499,485:90:0	
2913	96	180	14:10:06.866	117HF	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,499,489:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2914	96	180	14:10:16.200	117HF105A106A4A	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,490	00:0
2915	96	180	14:10:16.200	176HF6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,499,490	00:0
2916	96	180	14:12:20.200	117HF105A106A4B	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,492	04:0
2917	96	180	14:12:32.200	117HF105A106A4C	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,492	22:0
2918	96	180	14:14:36.200	117HF105A106A4D	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,494	26:0
2919	96	180	14:14:48.200	117HF105A106A4E	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,494	44:0
2920	96	180	14:16:52.200	117HF105A106A4F	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,496	48:0
2921	96	180	14:17:04.200	117HF105A106A4G	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,496	66:0
2922	96	180	14:19:08.200	117HF105A106A4H	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,498	70:0
2923	96	180	14:19:20.200	117HF105A106A4I	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,498	88:0
2924	96	180	14:21:24.200	117HF105A106A4J	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,501	01:0
2925	96	180	14:21:36.200	117HF105A106A4K	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,501	19:0
2926	96	180	14:23:40.200	117HF105A106A4L	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,503	23:0
2927	96	180	14:23:52.200	117HF105A106A4M	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,503	41:0
2928	96	180	14:24:29.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,504	06:0
2929	96	180	14:24:29.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2557.18 +/- 6	4R3	4	0	3,499,504	06:0
2930	96	180	14:24:39.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2558.45 +/- 6	4R3	4	0	3,499,504	20:3
2931	96	180	14:24:59.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,504	51:0
2932	96	180	14:24:59.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2553.66 +/- 6	4R3	4	0	3,499,504	51:0
2933	96	180	14:25:00.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2553.60 +/- 6	4R3	4	0	3,499,504	53:1
2934	96	180	14:25:56.200	117HF105A106A4N	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,505	45:0
2935	96	180	14:26:08.200	117HF105A106A4O	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,505	63:0
2936	96	180	14:28:12.200	117HF105A106A4P	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,507	67:0
2937	96	180	14:28:24.200	117HF105A106A4Q	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,507	85:0
2938	96	180	14:30:28.200	117HF105A106A4R	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,509	89:0
2939	96	180	14:30:40.200	117HF105A106A4S	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,510	16:0
2940	96	180	14:32:44.200	117HF105A106A4T	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,512	20:0
2941	96	180	14:32:56.200	117HF105A106A4U	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,512	38:0
2942	96	180	14:35:00.200	117HF105A106A4V	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,514	42:0
2943	96	180	14:35:12.200	117HF105A106A4W	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,514	60:0
2944	96	180	14:37:16.200	117HF105A106A4X	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,516	64:0
2945	96	180	14:37:28.200	117HF105A106A4Y	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,516	82:0
2946	96	180	14:38:54.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2553.60 +/- 6	4R3	4	0	3,499,518	29:0
2947	96	180	14:38:54.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,518	29:0
2948	96	180	14:39:03.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2554.87 +/- 6	4R3	4	0	3,499,518	43:3
2949	96	180	14:39:24.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2550.08 +/- 6	4R3	4	0	3,499,518	74:0
2950	96	180	14:39:24.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,518	74:0
2951	96	180	14:39:25.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2550.02 +/- 6	4R3	4	0	3,499,518	76:1
2952	96	180	14:39:32.200	117HF105A106A4Z	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,518	86:0
2953	96	180	14:39:44.200	117HF105A106A4AA	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,519	13:0
2954	96	180	14:40:00.200	488AV6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	4R3	4	0	3,499,519	37:0
2955	96	180	14:41:48.200	117HF105A106A4AB	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,521	17:0
2956	96	180	14:42:00.200	117HF105A106A4AC	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,521	35:0
2957	96	180	14:44:04.200	117HF105A106A4AD	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,523	39:0
2958	96	180	14:44:16.200	117HF105A106A4AE	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,523	57:0
2959	96	180	14:46:20.200	117HF105A106A4AF	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,525	61:0
2960	96	180	14:46:32.200	117HF105A106A4AG	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,525	79:0
2961	96	180	14:48:36.200	117HF105A106A4AH	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,527	83:0
2962	96	180	14:48:48.200	117HF105A106A4AI	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,528	10:0
2963	96	180	14:50:52.200	117HF105A106A4AJ	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,530	14:0
2964	96	180	14:51:04.200	117HF105A106A4AK	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,530	32:0
2965	96	180	14:53:08.200	117HF105A106A4AL	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,532	36:0
2966	96	180	14:53:18.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,532	52:0
2967	96	180	14:53:18.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2550.02 +/- 6	4R3	4	0	3,499,532	52:0
2968	96	180	14:53:20.200	117HF105A106A4AM	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,532	54:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2969	96	180	14:53:28.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2551.29 +/- 6	4R3	4	0	3,499,532	66:3
2970	96	180	14:53:48.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,533	06:0
2971	96	180	14:53:48.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2546.49 +/- 6	4R3	4	0	3,499,533	06:0
2972	96	180	14:53:50.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2546.43 +/- 6	4R3	4	0	3,499,533	08:1
2973	96	180	14:55:24.200	117HF105A106A4AN	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,534	58:0
2974	96	180	14:55:36.200	117HF105A106A4AO	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,534	76:0
2975	96	180	14:57:40.200	117HF105A106A4AP	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,536	80:0
2976	96	180	14:57:52.200	117HF105A106A4AQ	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,537	07:0
2977	96	180	14:59:56.200	117HF105A106A4AR	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,539	11:0
2978	96	180	15:00:08.200	117HF105A106A4AS	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,539	29:0
2979	96	180	15:02:12.200	117HF105A106A4AT	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,541	33:0
2980	96	180	15:02:24.200	117HF105A106A4AU	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,541	51:0
2981	96	180	15:04:28.200	117HF105A106A4AV	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,543	55:0
2982	96	180	15:04:40.200	117HF105A106A4AW	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,543	73:0
2983	96	180	15:06:44.200	117HF105A106A4AX	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,545	77:0
2984	96	180	15:06:56.200	117HF105A106A4AY	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,546	04:0
2985	96	180	15:07:43.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,546	75:0
2986	96	180	15:07:43.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2546.43 +/- 6	4R3	4	0	3,499,546	75:0
2987	96	180	15:07:53.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2547.71 +/- 6	4R3	4	0	3,499,546	89:3
2988	96	180	15:08:13.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,547	29:0
2989	96	180	15:08:13.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2542.91 +/- 6	4R3	4	0	3,499,547	29:0
2990	96	180	15:08:14.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2542.85 +/- 6	4R3	4	0	3,499,547	31:1
2991	96	180	15:09:00.200	117HF105A106A4AZ	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,548	08:0
2992	96	180	15:09:12.200	117HF105A106A4BA	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,548	26:0
2993	96	180	15:11:16.200	117HF105A106A4BB	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,550	30:0
2994	96	180	15:11:28.200	117HF105A106A4BC	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,550	48:0
2995	96	180	15:13:32.200	117HF105A106A4BD	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,552	52:0
2996	96	180	15:13:44.200	117HF105A106A4BE	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,552	70:0
2997	96	180	15:15:48.200	117HF105A106A4BF	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,554	74:0
2998	96	180	15:16:00.200	117HF105A106A4BG	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,555	01:0
2999	96	180	15:18:04.200	117HF105A106A4BH	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,557	05:0
3000	96	180	15:18:16.200	117HF105A106A4BI	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,557	23:0
3001	96	180	15:20:20.200	117HF105A106A4BJ	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,559	27:0
3002	96	180	15:20:32.200	117HF105A106A4BK	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,559	45:0
3003	96	180	15:22:08.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2542.85 +/- 7	4R3	4	0	3,499,561	07:0
3004	96	180	15:22:08.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,561	07:0
3005	96	180	15:22:17.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2544.13 +/- 7	4R3	4	0	3,499,561	21:3
3006	96	180	15:22:36.200	117HF105A106A4BL	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,561	49:0
3007	96	180	15:22:38.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2539.33 +/- 7	4R3	4	0	3,499,561	52:0
3008	96	180	15:22:38.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,561	52:0
3009	96	180	15:22:39.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2539.27 +/- 7	4R3	4	0	3,499,561	54:1
3010	96	180	15:22:48.200	117HF105A106A4BM	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,561	67:0
3011	96	180	15:24:52.200	117HF105A106A4BN	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,563	71:0
3012	96	180	15:25:04.200	117HF105A106A4BO	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,563	89:0
3013	96	180	15:27:08.200	117HF105A106A4BP	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,566	02:0
3014	96	180	15:27:20.200	117HF105A106A4BQ	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,566	20:0
3015	96	180	15:29:24.200	117HF105A106A4BR	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,568	24:0
3016	96	180	15:29:36.200	117HF105A106A4BS	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,568	42:0
3017	96	180	15:31:40.200	117HF105A106A4BT	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,570	46:0
3018	96	180	15:31:52.200	117HF105A106A4BU	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,570	64:0
3019	96	180	15:33:56.200	117HF105A106A4BV	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,572	68:0
3020	96	180	15:34:08.200	117HF105A106A4BW	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,572	86:0
3021	96	180	15:36:12.200	117HF105A106A4BX	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,574	90:0
3022	96	180	15:36:24.200	117HF105A106A4BY	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,575	17:0
3023	96	180	15:36:32.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,575	29:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3024	96	180	15:36:32.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2539.27 +/- 7	4R3	4	0	3,499,575	29:0
3025	96	180	15:36:41.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2540.55 +/- 7	4R3	4	0	3,499,575	43:3
3026	96	180	15:37:02.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,575	74:0
3027	96	180	15:37:02.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2535.75 +/- 7	4R3	4	0	3,499,575	74:0
3028	96	180	15:37:03.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2535.69 +/- 7	4R3	4	0	3,499,575	76:1
3029	96	180	15:38:28.200	117HF105A106A4BZ	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,577	21:0
3030	96	180	15:38:40.200	117HF105A106A4CA	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,577	39:0
3031	96	180	15:40:44.200	117HF105A106A4CB	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,579	43:0
3032	96	180	15:40:56.200	117HF105A106A4CC	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,579	61:0
3033	96	180	15:43:00.200	117HF105A106A4CD	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,581	65:0
3034	96	180	15:43:12.200	117HF105A106A4CE	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,581	83:0
3035	96	180	15:45:16.200	117HF105A106A4CF	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,583	87:0
3036	96	180	15:45:28.200	117HF105A106A4CG	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,584	14:0
3037	96	180	15:47:32.200	117HF105A106A4CH	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,586	18:0
3038	96	180	15:47:44.200	117HF105A106A4CI	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,586	36:0
3039	96	180	15:49:48.200	117HF105A106A4CJ	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,588	40:0
3040	96	180	15:50:00.200	117HF105A106A4CK	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,588	58:0
3041	96	180	15:50:56.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,589	52:0
3042	96	180	15:50:56.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2535.69 +/- 7	4R3	4	0	3,499,589	52:0
3043	96	180	15:51:06.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2536.97 +/- 7	4R3	4	0	3,499,589	66:3
3044	96	180	15:51:26.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2532.17 +/- 7	4R3	4	0	3,499,590	06:0
3045	96	180	15:51:26.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,590	06:0
3046	96	180	15:51:28.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2532.11 +/- 7	4R3	4	0	3,499,590	08:1
3047	96	180	15:52:04.200	117HF105A106A4CL	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,590	62:0
3048	96	180	15:52:16.200	117HF105A106A4CM	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,590	80:0
3049	96	180	15:54:20.200	117HF105A106A4CN	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,592	84:0
3050	96	180	15:54:32.200	117HF105A106A4CO	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,593	11:0
3051	96	180	15:56:36.200	117HF105A106A4CP	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,595	15:0
3052	96	180	15:56:48.200	117HF105A106A4CQ	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,595	33:0
3053	96	180	15:58:52.200	117HF105A106A4CR	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,597	37:0
3054	96	180	15:59:04.200	117HF105A106A4CS	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,597	55:0
3055	96	180	16:01:08.200	117HF105A106A4CT	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,599	59:0
3056	96	180	16:01:20.200	117HF105A106A4CU	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,599	77:0
3057	96	180	16:03:24.200	117HF105A106A4CV	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,601	81:0
3058	96	180	16:03:36.200	117HF105A106A4CW	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,602	08:0
3059	96	180	16:05:21.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,603	75:0
3060	96	180	16:05:21.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2532.11 +/- 7	4R3	4	0	3,499,603	75:0
3061	96	180	16:05:31.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2533.38 +/- 7	4R3	4	0	3,499,603	89:3
3062	96	180	16:05:40.200	117HF105A106A4CX	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,604	12:0
3063	96	180	16:05:51.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,604	29:0
3064	96	180	16:05:51.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2528.59 +/- 7	4R3	4	0	3,499,604	29:0
3065	96	180	16:05:52.200	117HF105A106A4CY	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,604	30:0
3066	96	180	16:05:52.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2528.53 +/- 7	4R3	4	0	3,499,604	31:1
3067	96	180	16:07:56.200	117HF105A106A4CZ	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,606	34:0
3068	96	180	16:08:08.200	117HF105A106A4DA	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,606	52:0
3069	96	180	16:10:12.200	117HF105A106A4DB	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,608	56:0
3070	96	180	16:10:24.200	117HF105A106A4DC	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,608	74:0
3071	96	180	16:12:28.200	117HF105A106A4DD	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,610	78:0
3072	96	180	16:12:40.200	117HF105A106A4DE	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,611	05:0
3073	96	180	16:14:44.200	117HF105A106A4DF	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,613	09:0
3074	96	180	16:14:56.200	117HF105A106A4DG	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,613	27:0
3075	96	180	16:17:00.200	117HF105A106A4DH	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,615	31:0
3076	96	180	16:17:12.200	117HF105A106A4DI	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,615	49:0
3077	96	180	16:19:16.200	117HF105A106A4DJ	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,617	53:0
3078	96	180	16:19:28.200	117HF105A106A4DK	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,617	71:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3079	96	180	16:19:46.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,618	07:0
3080	96	180	16:19:46.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2528.53 +/- 7	4R3	4	0	3,499,618	07:0
3081	96	180	16:19:55.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2529.80 +/- 7	4R3	4	0	3,499,618	21:3
3082	96	180	16:20:16.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2525.01 +/- 7	4R3	4	0	3,499,618	52:0
3083	96	180	16:20:16.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,618	52:0
3084	96	180	16:20:17.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2524.95 +/- 7	4R3	4	0	3,499,618	54:1
3085	96	180	16:21:32.200	117HF105A106A4DL	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,619	75:0
3086	96	180	16:21:44.200	117HF105A106A4DM	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,620	02:0
3087	96	180	16:23:48.200	117HF105A106A4DN	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,622	06:0
3088	96	180	16:24:00.200	117HF105A106A4DO	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,622	24:0
3089	96	180	16:26:04.200	117HF105A106A4DP	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,624	28:0
3090	96	180	16:26:16.200	117HF105A106A4DQ	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,624	46:0
3091	96	180	16:28:20.200	117HF105A106A4DR	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,626	50:0
3092	96	180	16:28:32.200	117HF105A106A4DS	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,626	68:0
3093	96	180	16:30:36.200	117HF105A106A4DT	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,628	72:0
3094	96	180	16:30:48.200	117HF105A106A4DU	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,628	90:0
3095	96	180	16:32:52.200	117HF105A106A4DV	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,631	03:0
3096	96	180	16:33:04.200	117HF105A106A4DW	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,631	21:0
3097	96	180	16:34:10.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2524.95 +/- 8	4R3	4	0	3,499,632	30:0
3098	96	180	16:34:10.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,632	30:0
3099	96	180	16:34:20.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2526.22 +/- 8	4R3	4	0	3,499,632	44:3
3100	96	180	16:34:40.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2521.43 +/- 8	4R3	4	0	3,499,632	75:0
3101	96	180	16:34:40.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,632	75:0
3102	96	180	16:34:42.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2521.37 +/- 8	4R3	4	0	3,499,632	77:1
3103	96	180	16:35:08.200	117HF105A106A4DX	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,633	25:0
3104	96	180	16:35:20.200	117HF105A106A4DY	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,633	43:0
3105	96	180	16:37:24.200	117HF105A106A4DZ	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,635	47:0
3106	96	180	16:37:36.200	117HF105A106A4EA	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,635	65:0
3107	96	180	16:39:40.200	117HF105A106A4EB	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,637	69:0
3108	96	180	16:39:52.200	117HF105A106A4EC	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,637	87:0
3109	96	180	16:40:00.200	481SC4A	7VECT		Inert vect update UTC	4R3	4	0	3,499,638	08:0
3110	96	180	16:41:56.200	117HF105A106A4ED	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,640	00:0
3111	96	180	16:42:08.200	117HF105A106A4EE	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,640	18:0
3112	96	180	16:44:12.200	117HF105A106A4EF	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,642	22:0
3113	96	180	16:44:24.200	117HF105A106A4EG	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,642	40:0
3114	96	180	16:46:28.200	117HF105A106A4EH	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,644	44:0
3115	96	180	16:46:40.200	117HF105A106A4EI	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,644	62:0
3116	96	180	16:48:34.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2521.37 +/- 8	4R3	4	0	3,499,646	52:0
3117	96	180	16:48:34.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,646	52:0
3118	96	180	16:48:44.200	117HF105A106A4EJ	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,646	66:0
3119	96	180	16:48:44.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2522.64 +/- 8	4R3	4	0	3,499,646	66:3
3120	96	180	16:48:56.200	117HF105A106A4EK	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,646	84:0
3121	96	180	16:49:04.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,647	06:0
3122	96	180	16:49:04.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2517.84 +/- 8	4R3	4	0	3,499,647	06:0
3123	96	180	16:49:06.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2517.78 +/- 8	4R3	4	0	3,499,647	08:1
3124	96	180	16:51:00.200	117HF105A106A4EL	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,648	88:0
3125	96	180	16:51:12.200	117HF105A106A4EM	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,649	15:0
3126	96	180	16:53:16.200	117HF105A106A4EN	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,651	19:0
3127	96	180	16:53:28.200	117HF105A106A4EO	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,651	37:0
3128	96	180	16:55:32.200	117HF105A106A4EP	7STRP	-0.002,-0.016052	Slew =12.01	4R3	4	0	3,499,653	41:0
3129	96	180	16:55:44.200	117HF105A106A4EQ	7STRP	0.0,0.016002,0,0	Slew =,0.16	4R3	4	0	3,499,653	59:0
3130	96	180	16:57:48.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2517.78 +/- 8	4R3	4	0	3,499,655	63:0
3131	96	180	16:57:48.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,499,655	63:0
3132	96	180	16:57:48.200	176HF6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,499,655	63:0
3133	96	180	16:57:48.200	117HF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,499,655	63:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3134	96	180	16:57:57.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2519.06 +/- 8	4R3	4	0	3,499,655:77:3
3135	96	180	16:58:12.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2515.51 +/- 8	4R3	4	0	3,499,656:09:0
3136	96	180	16:58:12.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,499,656:09:0
3137	96	180	16:58:14.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2515.45 +/- 8	4R3	4	0	3,499,656:11:1
3138	96	180	17:00:06.866	165EQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,499,657:89:0
3139	96	180	17:00:07.533	165EQ4B	7SCAN	NORM,53.194,16.1	Check S/P Position	4R3	4	0	3,499,657:90:0
3140	**96**	**180**	**17:00:12.200**	**G1INCHEMIS04-**		**-----START------**		**4R3**	**4**	**0**	**: :**
3141	96	180	17:03:05.533	125EQ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,499,660:84:0
3142	96	180	17:03:05.533	125EQ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,499,660:84:0
3143	**96**	**180**	**17:03:05.533**	**125EQ4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,499,660:84:0**
3144	96	180	17:04:00.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2515.45 +/- 8	2R3	4	0	3,499,661:76:0
3145	96	180	17:04:00.866	175EQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,499,661:76:0
3146	96	180	17:04:01.533	117EQ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,499,661:77:0
3147	96	180	17:04:06.200	127EQ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,499,661:84:0
3148	**96**	**180**	**17:04:06.866**	**127EQ4A**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,499,661:85:0**
3149	96	180	17:04:10.200	175EQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,499,661:90:0
3150	96	180	17:04:10.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2516.73 +/- 8	2R3	4	0	3,499,661:90:3
3151	96	180	17:04:10.866	117EQ105A106A4A	7STRP	0.0035,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,499,662:00:0
3152	**96**	**180**	**17:04:10.891**	**G1INCHEMIS04-**	**NIMPBK**	**301EQ**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
3153	96	180	17:04:14.866	127EQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,499,662:06:0
3154	96	180	17:06:15.533	117EQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,499,664:05:0
3155	**96**	**180**	**17:06:15.557**	**G1INCHEMIS04-**	**DESELC**	**300EQ**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
3156	96	180	17:06:25.533	175EQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,499,664:20:0
3157	96	180	17:06:25.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2485.06 +/- 8	2R3	4	0	3,499,664:20:0
3158	96	180	17:06:25.533	175EQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,499,664:20:0
3159	96	180	17:06:26.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2485.00 +/- 8	2R3	4	0	3,499,664:22:1
3160	**96**	**180**	**17:11:41.533**	**G1INCHEMIS04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
3161	96	180	17:12:14.866	165DH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,499,669:89:0
3162	96	180	17:12:15.533	165DH4B	7SCAN	NORM,52.923,16.1	Check S/P Position	2R3	4	0	3,499,669:90:0
3163	**96**	**180**	**17:12:20.200**	**G1INIOMON_05-**		**-----START------**		**2R3**	**4**	**0**	**: :**
3164	**96**	**180**	**17:14:12.866**	**125DH4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,499,671:84:0**
3165	96	180	17:14:12.866	125DH	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,499,671:84:0
3166	**96**	**180**	**17:15:13.533**	**125DH4B**	**37MB**	**18,03,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**3,499,672:84:0**
3167	96	180	17:15:13.533	125DH11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,499,672:84:0
3168	**96**	**180**	**17:15:38.200**	**432DH6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,499,673:30:0**
3169	96	180	17:16:09.533	117DH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,499,673:77:0
3170	**96**	**180**	**17:16:14.200**	**127DH4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,499,673:84:0**
3171	96	180	17:16:14.200	127DH	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,499,673:84:0
3172	**96**	**180**	**17:16:14.866**	**127DH4B**	**37ETB**	**07,C7,19,2A,95,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,499,673:85:0**
3173	96	180	17:16:18.866	117DH105A106A4A	7STRP	0.003,0.0,0,0,0,	Slew =,0.76	2R7	4	21	3,499,674:00:0
3174	96	180	17:16:22.866	127DH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,499,674:06:0
3175	96	180	17:16:26.866	117DH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,499,674:12:0
3176	**96**	**180**	**17:16:30.867**	**G1INIOMON_05-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**
3177	**96**	**180**	**17:16:37.533**	**432DR6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R7**	**4**	**21**	**3,499,674:28:0**
3178	96	180	17:17:14.866	125ER	NIMSINIT	GS	##### GROUP START INIT	2R7	4	21	3,499,674:84:0
3179	**96**	**180**	**17:17:14.866**	**125ER4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R7**	**4**	**21**	**3,499,674:84:0**
3180	96	180	17:17:18.200	165ER4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,499,674:89:0
3181	96	180	17:17:18.866	165ER4B	7SCAN	NORM,52.734,16.0	Check S/P Position	2R7	4	21	3,499,674:90:0
3182	**96**	**180**	**17:17:23.533**	**G1INNSPEC_01-**		**-----START------**		**2R7**	**4**	**21**	**: :**
3183	96	180	17:18:15.533	125ER11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	21	3,499,675:84:0
3184	**96**	**180**	**17:18:15.533**	**125ER4B**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R7**	**4**	**21**	**3,499,675:84:0**
3185	96	180	17:19:08.200		DMS:	: *US-RUNUP	R28, TRACK 4, REV, TIC 2485.00 +/- 8	4R7	4	21	3,499,676:72:0
3186	96	180	17:19:08.200	175ER422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R7	4	21	3,499,676:72:0
3187	96	180	17:19:11.533	117ER	**CSMOS**	GS	***** GROUP START CSMOS	4R7	4	21	3,499,676:77:0
3188	**96**	**180**	**17:19:16.200**	**127ER4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,499,676:84:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3189	96	180	17:19:16.200	127ER	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,499,676:84:0	
3190	**96**	**180**	**17:19:16.866**	**127ER4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,499,676:85:0**	
3191	96	180	17:19:20.200	175ER176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	3,499,676:90:0	
3192	96	180	17:19:20.266		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *2484.89 +/- 9	4R3	4	0	3,499,676:90:1	
3193	96	180	17:19:20.866	117ER105A106A4A	7STRP	-0.0045,0.0,0,0,	Slew =,0.03	4R3	4	0	3,499,677:00:0	
3194	**96**	**180**	**17:19:20.890**	**G1INNSPEC_01-**	**NIMPBK**	**301ER**	**NIGHTSIDE SPECTRA AT HIGH RESOLU**	**4R3**	**4**	**0**	**: :**	
3195	96	180	17:19:24.866	127ER11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,499,677:06:0	
3196	**96**	**180**	**17:22:00.200**	**G1INNSPEC_01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3197	96	180	17:22:00.200	117ER11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,499,679:57:0	
3198	**96**	**180**	**17:22:00.223**	**G1INNSPEC_01-**	**DESELC**	**300ER**	**NIGHTSIDE SPECTRA AT HIGH RESOLU**	**4R3**	**4**	**0**	**: :**	
3199	96	180	17:32:39.533		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *1782.41 +/- 9	4R3	4	0	3,499,690:15:0	
3200	96	180	17:32:39.533	465KD6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	4R3	4	0	3,499,690:15:0	
3201	96	180	17:32:40.933		DMS:	: *RUNUP	P7, TRACK *1, *FWD, TIC *1782.19 +/- 9	4R3	4	0	3,499,690:17:1	
3202	96	180	17:32:42.400		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC *1782.31 +/- 9	4R3	4	0	3,499,690:19:3	
3203	96	180	18:08:03.533	488AV6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	4R3	4	0	3,499,725:16:0	
3204	96	180	18:12:08.866		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2336.95 +/- 9	4R3	4	0	3,499,729:20:0	
3205	96	180	18:12:08.866	465KD6B	6DMSC	RDY,1	DMS Control Tape stop	4R3	4	0	3,499,729:20:0	
3206	96	180	18:12:10.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2337.01 +/- 9	4R3	4	0	3,499,729:22:1	
3207	96	180	18:12:54.866	165EW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,499,729:89:0	
3208	96	180	18:12:55.533	165EW4B	7SCAN	NORM,41.919,13.4	Check S/P Position	4R3	4	0	3,499,729:90:0	
3209	**96**	**180**	**18:13:00.266**	**G1JNGRS12301-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3210	**96**	**180**	**18:15:53.533**	**125EW4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,499,732:84:0**	
3211	96	180	18:15:53.533	125EW	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,499,732:84:0	
3212	96	180	18:15:53.533	125EW11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,499,732:84:0	
3213	96	180	18:16:48.866	175EW422A6A	6DMSC	R7,4	DMS Control Tape runup 7.68kbp	2R3	4	0	3,499,733:76:0	
3214	96	180	18:16:48.866		DMS:	: *US-RUNUP	R7, TRACK *4, *REV, TIC 2337.01 +/- 9	2R3	4	0	3,499,733:76:0	
3215	96	180	18:16:49.533	117EW	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,499,733:77:0	
3216	**96**	**180**	**18:16:54.200**	**127EW4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,499,733:84:0**	
3217	96	180	18:16:54.200	127EW	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,499,733:84:0	
3218	**96**	**180**	**18:16:54.866**	**127EW4B**	**37ETB**	**,00,05,FF,F8,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,499,733:85:0**	
3219	96	180	18:16:58.200	175EW176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,499,733:90:0	
3220	96	180	18:16:58.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2338.29 +/- 9	2R5	4	1	3,499,733:90:3	
3221	96	180	18:16:58.866	117EW105A106A4A	7STRP	0.0104,0.0,0,0,0	Slew =,0.11	2R5	4	1	3,499,734:00:0	
3222	**96**	**180**	**18:16:58.888**	**G1JNGRS12301-**	**NIMPBK**	**301EW**	**GRS 123 PHASE #1**	**2R5**	**4**	**1**	**: :**	
3223	96	180	18:17:02.866	127EW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,499,734:06:0	
3224	96	180	18:18:48.866	117EW105A106A4B	7STRP	-0.0107,0.008,0,	Slew =12.01	2R5	4	1	3,499,735:74:0	
3225	96	180	18:19:00.866	117EW105A106A4C	7STRP	0.0104,0.0,0,0,0	Slew =,0.11	2R5	4	1	3,499,736:01:0	
3226	96	180	18:20:50.866	117EW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,499,737:75:0	
3227	**96**	**180**	**18:20:50.888**	**G1JNGRS12301-**	**DESELC**	**300EW**	**GRS 123 PHASE #1**	**2R5**	**4**	**1**	**: :**	
3228	96	180	18:21:00.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2281.46 +/- 9	2R5	4	1	3,499,737:90:0	
3229	96	180	18:21:00.866	175EW6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,499,737:90:0	
3230	96	180	18:21:00.866	175EW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,737:90:0	
3231	**96**	**180**	**18:21:02.266**	**G1JNGRS12301-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3232	96	180	18:21:02.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2281.40 +/- 9	2R5	4	1	3,499,738:01:1	
3233	96	180	18:21:21.533	165GW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,499,738:30:0	
3234	96	180	18:21:22.200	165GW4B	7SCAN	NORM,52.153,16.1	Check S/P Position	2R5	4	1	3,499,738:31:0	
3235	96	180	18:21:48.866	117GW	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,499,738:71:0	
3236	96	180	18:21:58.200	176GW6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,499,738:85:0	
3237	96	180	18:21:58.200	117GW105A106A4A	7STRP	0.0058,0.0,0,0,0	Slew =,0.04	2R5	4	1	3,499,738:85:0	
3238	96	180	18:24:25.533	117GW105A106A4B	7STRP	-0.0051,0.0011,0	Slew =12.01	2R5	4	1	3,499,741:33:0	
3239	96	180	18:24:30.866	117GW105A106A4C	7STRP	0.0058,0.0,0,0,0	Slew =,0.04	2R5	4	1	3,499,741:41:0	
3240	96	180	18:26:58.200	117GW105A106A4D	7STRP	-0.0051,0.0011,0	Slew =12.01	2R5	4	1	3,499,743:80:0	
3241	96	180	18:27:03.533	117GW105A106A4E	7STRP	0.0058,0.0,0,0,0	Slew =,0.04	2R5	4	1	3,499,743:88:0	
3242	96	180	18:29:30.866	117GW105A106A4F	7STRP	-0.0051,0.0011,0	Slew =12.01	2R5	4	1	3,499,746:36:0	
3243	96	180	18:29:36.200	117GW105A106A4G	7STRP	0.0058,0.0,0,0,0	Slew =,0.04	2R5	4	1	3,499,746:44:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3244	96	180	18:32:03.533	117GW105A106B4A	7STRP	-0.0044,0.0011,0	Slew =12.01	2R5	4	1	3,499,748:83:0	
3245	96	180	18:32:08.866	117GW105A106B4B	7STRP	0.0048,0.0,0,0,0	Slew =,0.04	2R5	4	1	3,499,749:00:0	
3246	96	180	18:34:16.866	176GW6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,499,751:10:0	
3247	96	180	18:34:16.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,751:10:0	
3248	96	180	18:34:16.866	117GW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,499,751:10:0	
3249	96	180	18:34:16.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2281.40 +/- 9	2R5	4	1	3,499,751:10:0	
3250	96	180	18:34:26.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2282.68 +/- 9	2R5	4	1	3,499,751:24:3	
3251	96	180	18:34:44.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2278.51 +/- 9	2R5	4	1	3,499,751:51:0	
3252	96	180	18:34:44.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,751:51:0	
3253	96	180	18:34:45.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2278.45 +/- 9	2R5	4	1	3,499,751:53:1	
3254	96	180	18:35:09.533	165HB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,499,751:89:0	
3255	96	180	18:35:10.200	165HB4B	7SCAN	NORM,41.673,13.5	Check S/P Position	2R5	4	1	3,499,751:90:0	
3256	96	180	18:36:02.200	117HB	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,499,752:77:0	
3257	96	180	18:36:11.533	117HB105A106A4A	7STRP	0.002,0.01,0,0,0	Slew =,0.16	2R5	4	1	3,499,753:00:0	
3258	96	180	18:36:11.533	176HB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,499,753:00:0	
3259	96	180	18:37:32.200	117HB105A106A4B	7STRP	-0.0045,-0.01,0,	Slew =12.01	2R5	4	1	3,499,754:30:0	
3260	96	180	18:37:44.200	117HB105A106A4C	7STRP	0.002,0.01,0,0,0	Slew =,0.16	2R5	4	1	3,499,754:48:0	
3261	96	180	18:39:04.866	117HB105A106A4D	7STRP	-0.0045,-0.01,0,	Slew =12.01	2R5	4	1	3,499,755:78:0	
3262	96	180	18:39:16.866	117HB105A106A4E	7STRP	0.002,0.01,0,0,0	Slew =,0.16	2R5	4	1	3,499,756:05:0	
3263	96	180	18:40:37.533	117HB105A106A4F	7STRP	-0.0045,-0.01,0,	Slew =12.01	2R5	4	1	3,499,757:35:0	
3264	96	180	18:40:49.533	117HB105A106A4G	7STRP	0.002,0.01,0,0,0	Slew =,0.16	2R5	4	1	3,499,757:53:0	
3265	96	180	18:42:10.200	117HB105A106A4H	7STRP	-0.0045,-0.01,0,	Slew =12.01	2R5	4	1	3,499,758:83:0	
3266	96	180	18:42:22.200	117HB105A106A4I	7STRP	0.002,0.01,0,0,0	Slew =,0.16	2R5	4	1	3,499,759:10:0	
3267	96	180	18:43:42.866	117HB105A106A4J	7STRP	-0.0045,-0.01,0,	Slew =12.01	2R5	4	1	3,499,760:40:0	
3268	96	180	18:43:54.866	117HB105A106A4K	7STRP	0.002,0.01,0,0,0	Slew =,0.16	2R5	4	1	3,499,760:58:0	
3269	96	180	18:45:15.533	117HB105A106A4L	7STRP	-0.0045,-0.01,0,	Slew =12.01	2R5	4	1	3,499,761:88:0	
3270	96	180	18:45:27.533	117HB105A106A4M	7STRP	0.002,0.01,0,0,0	Slew =,0.16	2R5	4	1	3,499,762:15:0	
3271	96	180	18:46:48.200	117HB105A106A4N	7STRP	-0.0045,-0.01,0,	Slew =12.01	2R5	4	1	3,499,763:45:0	
3272	96	180	18:47:00.200	117HB105A106A4O	7STRP	0.002,0.01,0,0,0	Slew =,0.16	2R5	4	1	3,499,763:63:0	
3273	96	180	18:48:20.866	117HB105A106A4P	7STRP	-0.0045,-0.01,0,	Slew =12.01	2R5	4	1	3,499,765:02:0	
3274	96	180	18:48:32.866	117HB105A106A4Q	7STRP	0.002,0.01,0,0,0	Slew =,0.16	2R5	4	1	3,499,765:20:0	
3275	96	180	18:49:53.533	117HB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,499,766:50:0	
3276	96	180	18:49:53.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,766:50:0	
3277	96	180	18:49:53.533	176HB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,499,766:50:0	
3278	96	180	18:49:53.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2278.45 +/- 9	2R5	4	1	3,499,766:50:0	
3279	96	180	18:50:03.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2279.72 +/- 9	2R5	4	1	3,499,766:64:3	
3280	96	180	18:50:20.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2275.71 +/- 9	2R5	4	1	3,499,766:90:0	
3281	96	180	18:50:20.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,766:90:0	
3282	96	180	18:50:21.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2275.65 +/- 9	2R5	4	1	3,499,767:01:1	
3283	96	180	19:04:28.866	165GK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,499,780:89:0	
3284	96	180	19:04:29.533	165GK4B	7SCAN	NORM,37.477,14.3	Check S/P Position	2R5	4	1	3,499,780:90:0	
3285	96	180	19:08:23.533	117GK	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,499,784:77:0	
3286	96	180	19:08:32.866	117GK105A106A4A	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,785:00:0	
3287	96	180	19:08:32.866	176GK6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,499,785:00:0	
3288	96	180	19:10:50.200	117GK105A106A4B	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,787:24:0	
3289	96	180	19:11:05.533	117GK105A106A4C	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,787:47:0	
3290	96	180	19:13:22.866	117GK105A106A4D	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,789:71:0	
3291	96	180	19:13:38.200	117GK105A106A4E	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,790:03:0	
3292	96	180	19:15:55.533	117GK105A106A4F	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,792:27:0	
3293	96	180	19:16:10.866	117GK105A106A4G	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,792:50:0	
3294	96	180	19:18:28.200	117GK105A106A4H	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,794:74:0	
3295	96	180	19:18:43.533	117GK105A106A4I	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,795:06:0	
3296	96	180	19:21:00.866	117GK105A106A4J	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,797:30:0	
3297	96	180	19:21:16.200	117GK105A106A4K	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,797:53:0	
3298	96	180	19:22:46.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2275.65 +/- 9	2R5	4	1	3,499,799:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3299	96	180	19:22:46.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,799:06:0	
3300	96	180	19:22:55.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2276.92 +/- 9	2R5	4	1	3,499,799:20:3	
3301	96	180	19:23:16.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2272.12 +/- 9	2R5	4	1	3,499,799:51:0	
3302	96	180	19:23:16.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,799:51:0	
3303	96	180	19:23:17.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2272.06 +/- 9	2R5	4	1	3,499,799:53:1	
3304	96	180	19:23:33.533	117GK105A106A4L	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,799:77:0	
3305	96	180	19:23:48.866	117GK105A106A4M	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,800:09:0	
3306	96	180	19:26:00.866	488AV6C	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2R5	4	1	3,499,802:25:0	
3307	96	180	19:26:06.200	117GK105A106A4N	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,802:33:0	
3308	96	180	19:26:21.533	117GK105A106A4O	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,802:56:0	
3309	96	180	19:28:38.866	117GK105A106A4P	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,804:80:0	
3310	96	180	19:28:54.200	117GK105A106A4Q	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,805:12:0	
3311	96	180	19:31:11.533	117GK105A106A4R	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,807:36:0	
3312	96	180	19:31:26.866	117GK105A106A4S	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,807:59:0	
3313	96	180	19:33:23.533	488AV6D	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2R5	4	1	3,499,809:52:0	
3314	96	180	19:33:44.200	117GK105A106A4T	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,809:83:0	
3315	96	180	19:33:59.533	117GK105A106A4U	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,810:15:0	
3316	96	180	19:36:16.866	117GK105A106A4V	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,812:39:0	
3317	96	180	19:36:32.200	117GK105A106A4W	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,812:62:0	
3318	96	180	19:37:10.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2272.06 +/- 10	2R5	4	1	3,499,813:29:0	
3319	96	180	19:37:10.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,813:29:0	
3320	96	180	19:37:20.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2273.34 +/- 10	2R5	4	1	3,499,813:43:3	
3321	96	180	19:37:40.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,813:74:0	
3322	96	180	19:37:40.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2268.54 +/- 10	2R5	4	1	3,499,813:74:0	
3323	96	180	19:37:42.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2268.48 +/- 10	2R5	4	1	3,499,813:76:1	
3324	96	180	19:38:49.533	117GK105A106A4X	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,814:86:0	
3325	96	180	19:39:04.866	117GK105A106A4Y	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,815:18:0	
3326	96	180	19:41:22.200	117GK105A106A4Z	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,817:42:0	
3327	96	180	19:41:37.533	117GK105A106A4AA	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,817:65:0	
3328	96	180	19:43:54.866	117GK105A106A4AB	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,819:89:0	
3329	96	180	19:44:10.200	117GK105A106A4AC	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,820:21:0	
3330	96	180	19:46:27.533	117GK105A106A4AD	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,822:45:0	
3331	96	180	19:46:42.866	117GK105A106A4AE	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,822:68:0	
3332	96	180	19:49:00.200	117GK105A106A4AF	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,825:01:0	
3333	96	180	19:49:15.533	117GK105A106A4AG	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,825:24:0	
3334	96	180	19:51:32.866	117GK105A106A4AH	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,827:48:0	
3335	96	180	19:51:35.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2268.48 +/- 10	2R5	4	1	3,499,827:52:0	
3336	96	180	19:51:35.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,827:52:0	
3337	96	180	19:51:45.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2269.76 +/- 10	2R5	4	1	3,499,827:66:3	
3338	96	180	19:51:48.200	117GK105A106A4AI	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,827:71:0	
3339	96	180	19:52:05.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2264.96 +/- 10	2R5	4	1	3,499,828:06:0	
3340	96	180	19:52:05.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,828:06:0	
3341	96	180	19:52:06.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2264.90 +/- 10	2R5	4	1	3,499,828:08:1	
3342	96	180	19:54:05.533	117GK105A106A4AJ	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,830:04:0	
3343	96	180	19:54:20.866	117GK105A106A4AK	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,830:27:0	
3344	96	180	19:56:38.200	117GK105A106A4AL	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,832:51:0	
3345	96	180	19:56:53.533	117GK105A106A4AM	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,832:74:0	
3346	96	180	19:59:10.866	117GK105A106A4AN	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,835:07:0	
3347	96	180	19:59:26.200	117GK105A106A4AO	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,835:30:0	
3348	96	180	20:01:43.533	117GK105A106A4AP	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,837:54:0	
3349	96	180	20:01:58.866	117GK105A106A4AQ	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,837:77:0	
3350	96	180	20:04:16.200	117GK105A106A4AR	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,840:10:0	
3351	96	180	20:04:31.533	117GK105A106A4AS	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,840:33:0	
3352	96	180	20:06:00.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,841:75:0	
3353	96	180	20:06:00.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2264.90 +/- 10	2R5	4	1	3,499,841:75:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3354	96	180	20:06:09.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2266.18 +/- 10	2R5	4	1	3,499,841:89:3	
3355	96	180	20:06:30.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,842:29:0	
3356	96	180	20:06:30.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2261.38 +/- 10	2R5	4	1	3,499,842:29:0	
3357	96	180	20:06:31.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2261.32 +/- 10	2R5	4	1	3,499,842:31:1	
3358	96	180	20:06:48.866	117GK105A106A4AT	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,842:57:0	
3359	96	180	20:07:04.200	117GK105A106A4AU	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,842:80:0	
3360	96	180	20:09:21.533	117GK105A106A4AV	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,845:13:0	
3361	96	180	20:09:36.866	117GK105A106A4AW	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,845:36:0	
3362	96	180	20:11:54.200	117GK105A106A4AX	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,847:60:0	
3363	96	180	20:12:09.533	117GK105A106A4AY	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,847:83:0	
3364	96	180	20:14:26.866	117GK105A106A4AZ	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,850:16:0	
3365	96	180	20:14:42.200	117GK105A106A4BA	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,850:39:0	
3366	96	180	20:16:59.533	117GK105A106A4BB	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,852:63:0	
3367	96	180	20:17:14.866	117GK105A106A4BC	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,852:86:0	
3368	96	180	20:19:32.200	117GK105A106A4BD	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,855:19:0	
3369	96	180	20:19:47.533	117GK105A106A4BE	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,855:42:0	
3370	96	180	20:20:24.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2261.32 +/- 10	2R5	4	1	3,499,856:07:0	
3371	96	180	20:20:24.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,856:07:0	
3372	96	180	20:20:34.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2262.60 +/- 10	2R5	4	1	3,499,856:21:3	
3373	96	180	20:20:54.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,856:52:0	
3374	96	180	20:20:54.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2257.80 +/- 10	2R5	4	1	3,499,856:52:0	
3375	96	180	20:20:56.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2257.74 +/- 10	2R5	4	1	3,499,856:54:1	
3376	96	180	20:22:04.866	117GK105A106A4BF	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,857:66:0	
3377	96	180	20:22:20.200	117GK105A106A4BG	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,857:89:0	
3378	96	180	20:24:37.533	117GK105A106A4BH	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,860:22:0	
3379	96	180	20:24:52.866	117GK105A106A4BI	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,860:45:0	
3380	96	180	20:27:10.200	117GK105A106A4BJ	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,862:69:0	
3381	96	180	20:27:25.533	117GK105A106A4BK	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,863:01:0	
3382	96	180	20:29:42.866	117GK105A106A4BL	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,865:25:0	
3383	96	180	20:29:58.200	117GK105A106A4BM	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,865:48:0	
3384	96	180	20:32:15.533	117GK105A106A4BN	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,867:72:0	
3385	96	180	20:32:30.866	117GK105A106A4BO	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,868:04:0	
3386	96	180	20:34:48.200	117GK105A106A4BP	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,870:28:0	
3387	96	180	20:34:48.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,870:29:0	
3388	96	180	20:34:48.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2257.74 +/- 10	2R5	4	1	3,499,870:29:0	
3389	96	180	20:34:58.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2259.02 +/- 10	2R5	4	1	3,499,870:43:3	
3390	96	180	20:35:03.533	117GK105A106A4BQ	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,870:51:0	
3391	96	180	20:35:18.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2254.22 +/- 10	2R5	4	1	3,499,870:74:0	
3392	96	180	20:35:18.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,870:74:0	
3393	96	180	20:35:20.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2254.16 +/- 10	2R5	4	1	3,499,870:76:1	
3394	96	180	20:37:20.866	117GK105A106A4BR	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,872:75:0	
3395	96	180	20:37:36.200	117GK105A106A4BS	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,873:07:0	
3396	96	180	20:39:53.533	117GK105A106A4BT	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,875:31:0	
3397	96	180	20:40:08.866	117GK105A106A4BU	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,875:54:0	
3398	96	180	20:42:26.200	117GK105A106A4BV	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,877:78:0	
3399	96	180	20:42:41.533	117GK105A106A4BW	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,878:10:0	
3400	96	180	20:44:58.866	117GK105A106A4BX	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,880:34:0	
3401	96	180	20:45:14.200	117GK105A106A4BY	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,880:57:0	
3402	96	180	20:45:45.533	488AW6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2R5	4	1	3,499,881:13:0	
3403	96	180	20:47:31.533	117GK105A106A4BZ	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,882:81:0	
3404	96	180	20:47:46.866	117GK105A106A4CA	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,883:13:0	
3405	96	180	20:49:13.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,884:52:0	
3406	96	180	20:49:13.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2254.16 +/- 11	2R5	4	1	3,499,884:52:0	
3407	96	180	20:49:23.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2255.43 +/- 11	2R5	4	1	3,499,884:66:3	
3408	96	180	20:49:43.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2250.64 +/- 11	2R5	4	1	3,499,885:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3409	96	180	20:49:43.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,885	06:0
3410	96	180	20:49:44.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2250.58 +/- 11	2R5	4	1	3,499,885	08:1
3411	96	180	20:50:04.200	117GK105A106A4CB	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,885	37:0
3412	96	180	20:50:19.533	117GK105A106A4CC	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,885	60:0
3413	96	180	20:52:36.866	117GK105A106A4CD	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,887	84:0
3414	96	180	20:52:52.200	117GK105A106A4CE	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,888	16:0
3415	96	180	20:55:09.533	117GK105A106A4CF	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,890	40:0
3416	96	180	20:55:24.866	117GK105A106A4CG	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,890	63:0
3417	96	180	20:57:42.200	117GK105A106A4CH	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,892	87:0
3418	96	180	20:57:57.533	117GK105A106A4CI	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,893	19:0
3419	96	180	21:00:14.866	117GK105A106A4CJ	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,895	43:0
3420	96	180	21:00:30.200	117GK105A106A4CK	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,895	66:0
3421	96	180	21:02:47.533	117GK105A106A4CL	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,897	90:0
3422	96	180	21:02:59.533	488AW6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2R5	4	1	3,499,898	17:0
3423	96	180	21:03:02.866	117GK105A106A4CM	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,898	22:0
3424	96	180	21:03:38.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,898	75:0
3425	96	180	21:03:38.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2250.58 +/- 11	2R5	4	1	3,499,898	75:0
3426	96	180	21:03:47.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2251.85 +/- 11	2R5	4	1	3,499,898	89:3
3427	96	180	21:04:08.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,899	29:0
3428	96	180	21:04:08.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2247.06 +/- 11	2R5	4	1	3,499,899	29:0
3429	96	180	21:04:09.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2247.00 +/- 11	2R5	4	1	3,499,899	31:1
3430	96	180	21:05:20.200	117GK105A106A4CN	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,900	46:0
3431	96	180	21:05:35.533	117GK105A106A4CO	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,900	69:0
3432	96	180	21:07:52.866	117GK105A106A4CP	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,903	02:0
3433	96	180	21:08:08.200	117GK105A106A4CQ	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,903	25:0
3434	96	180	21:10:25.533	117GK105A106A4CR	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,905	49:0
3435	96	180	21:10:40.866	117GK105A106A4CS	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,905	72:0
3436	96	180	21:12:58.200	117GK105A106A4CT	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,908	05:0
3437	96	180	21:13:13.533	117GK105A106A4CU	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,908	28:0
3438	96	180	21:15:30.866	117GK105A106A4CV	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,910	52:0
3439	96	180	21:15:46.200	117GK105A106A4CW	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,910	75:0
3440	96	180	21:18:02.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,913	07:0
3441	96	180	21:18:02.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2247.00 +/- 11	2R5	4	1	3,499,913	07:0
3442	96	180	21:18:03.533	117GK105A106A4CX	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,913	08:0
3443	96	180	21:18:12.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2248.27 +/- 11	2R5	4	1	3,499,913	21:3
3444	96	180	21:18:18.866	117GK105A106A4CY	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,913	31:0
3445	96	180	21:18:32.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2243.47 +/- 11	2R5	4	1	3,499,913	52:0
3446	96	180	21:18:32.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,913	52:0
3447	96	180	21:18:34.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2243.41 +/- 11	2R5	4	1	3,499,913	54:1
3448	96	180	21:20:36.200	117GK105A106A4CZ	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,915	55:0
3449	96	180	21:20:51.533	117GK105A106A4DA	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,915	78:0
3450	96	180	21:23:08.866	117GK105A106A4DB	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,918	11:0
3451	96	180	21:23:24.200	117GK105A106A4DC	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,918	34:0
3452	96	180	21:25:41.533	117GK105A106A4DD	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,920	58:0
3453	96	180	21:25:56.866	117GK105A106A4DE	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,920	81:0
3454	96	180	21:28:14.200	117GK105A106A4DF	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,923	14:0
3455	96	180	21:28:29.533	117GK105A106A4DG	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,923	37:0
3456	96	180	21:30:46.866	117GK105A106A4DH	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,925	61:0
3457	96	180	21:31:02.200	117GK105A106A4DI	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,925	84:0
3458	96	180	21:32:27.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2243.41 +/- 11	2R5	4	1	3,499,927	30:0
3459	96	180	21:32:27.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,927	30:0
3460	96	180	21:32:37.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2244.69 +/- 11	2R5	4	1	3,499,927	44:3
3461	96	180	21:32:57.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,927	75:0
3462	96	180	21:32:57.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2239.89 +/- 11	2R5	4	1	3,499,927	75:0
3463	96	180	21:32:58.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2239.83 +/- 11	2R5	4	1	3,499,927	77:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3464	96	180	21:33:19.533	117GK105A106A4DJ	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,928	17:0
3465	96	180	21:33:34.866	117GK105A106A4DK	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,928	40:0
3466	96	180	21:35:52.200	117GK105A106A4DL	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,930	64:0
3467	96	180	21:36:07.533	117GK105A106A4DM	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,930	87:0
3468	96	180	21:38:24.866	117GK105A106A4DN	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,933	20:0
3469	96	180	21:38:40.200	117GK105A106A4DO	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,933	43:0
3470	96	180	21:40:57.533	117GK105A106A4DP	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,935	67:0
3471	96	180	21:41:12.866	117GK105A106A4DQ	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,935	90:0
3472	96	180	21:43:30.200	117GK105A106A4DR	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,938	23:0
3473	96	180	21:43:45.533	117GK105A106A4DS	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,938	46:0
3474	96	180	21:45:00.200	488AW6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R5	4	1	3,499,939	67:0
3475	96	180	21:46:02.866	117GK105A106A4DT	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,940	70:0
3476	96	180	21:46:18.200	117GK105A106A4DU	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,941	02:0
3477	96	180	21:46:51.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2239.83 +/- 11	2R5	4	1	3,499,941	52:0
3478	96	180	21:46:51.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,941	52:0
3479	96	180	21:47:01.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2241.11 +/- 11	2R5	4	1	3,499,941	66:3
3480	96	180	21:47:21.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,942	06:0
3481	96	180	21:47:21.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2236.31 +/- 11	2R5	4	1	3,499,942	06:0
3482	96	180	21:47:22.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2236.25 +/- 11	2R5	4	1	3,499,942	08:1
3483	96	180	21:48:35.533	117GK105A106A4DV	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,943	26:0
3484	96	180	21:48:50.866	117GK105A106A4DW	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,943	49:0
3485	96	180	21:51:08.200	117GK105A106A4DX	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,945	73:0
3486	96	180	21:51:23.533	117GK105A106A4DY	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,946	05:0
3487	96	180	21:53:40.866	117GK105A106A4DZ	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,948	29:0
3488	96	180	21:53:56.200	117GK105A106A4EA	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,948	52:0
3489	96	180	21:56:13.533	117GK105A106A4EB	7STRP	-0.0025,-0.01600	Slew =17.01	2R5	4	1	3,499,950	76:0
3490	**96**	**180**	**21:56:22.200**	**432SB6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**2R5**	**4**	**1**	**3,499,950**	**89:0**
3491	96	180	21:56:26.866	488AW6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R5	4	1	3,499,951	05:0
3492	96	180	21:56:28.866	117GK105A106A4EC	7STRP	0.0,0.016002,0,0	Slew =,0.16	2R5	4	1	3,499,951	08:0
3493	96	180	21:58:46.200	176GK6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,499,953	32:0
3494	96	180	21:58:46.200	117GK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,499,953	32:0
3495	96	180	21:58:46.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2236.25 +/- 12	2R5	4	1	3,499,953	32:0
3496	96	180	21:58:46.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,953	32:0
3497	96	180	21:58:55.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2237.53 +/- 12	2R5	4	1	3,499,953	46:3
3498	96	180	21:59:13.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2233.36 +/- 12	2R5	4	1	3,499,953	73:0
3499	96	180	21:59:13.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,499,953	73:0
3500	96	180	21:59:14.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2233.30 +/- 12	2R5	4	1	3,499,953	75:1
3501	**96**	**180**	**22:00:30.199**	**G1INCHEMIS05-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3502	96	180	22:00:35.533	488AW6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R5	4	1	3,499,955	14:0
3503	96	180	22:01:15.533	165ES4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,499,955	74:0
3504	96	180	22:01:16.200	165ES4B	7SCAN	NORM,46.592,15.0	Check S/P Position	2R5	4	1	3,499,955	75:0
3505	96	180	22:03:18.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2233.30 +/- 12	2R5	4	1	3,499,957	76:0
3506	96	180	22:03:18.200	175ES422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,499,957	76:0
3507	96	180	22:03:18.866	117ES	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,499,957	77:0
3508	**96**	**180**	**22:03:23.533**	**127ES4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,499,957**	**84:0**
3509	96	180	22:03:23.533	127ES	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,499,957	84:0
3510	**96**	**180**	**22:03:24.200**	**127ES4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,499,957**	**85:0**
3511	96	180	22:03:27.533	175ES176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,499,957	90:0
3512	96	180	22:03:27.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2234.57 +/- 12	2R3	4	0	3,499,957	90:3
3513	96	180	22:03:28.200	117ES105A106A4A	7STRP	0.0035,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,499,958	00:0
3514	96	180	22:03:32.200	127ES11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,499,958	06:0
3515	96	180	22:05:32.866	117ES11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,499,960	05:0
3516	96	180	22:05:42.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2202.90 +/- 12	2R3	4	0	3,499,960	20:0
3517	96	180	22:05:42.866	175ES422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,499,960	20:0
3518	96	180	22:05:42.866	175ES6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,499,960	20:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3519	96	180	22:05:44.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2202.84 +/- 12	2R3	4	0	3,499,960:22:1	
3520	**96**	**180**	**22:05:46.199**	**G1INCHEMIS05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3521	96	180	22:06:28.866	165ET4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,499,960:89:0	
3522	96	180	22:06:29.533	165ET4B	7SCAN	NORM,46.149,14.9	Check S/P Position	2R3	4	0	3,499,960:90:0	
3523	**96**	**180**	**22:06:34.199**	**G1INTHRMAL04-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3524	96	180	22:08:21.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2202.84 +/- 12	2R3	4	0	3,499,962:76:0	
3525	96	180	22:08:21.533	175ET422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,499,962:76:0	
3526	96	180	22:08:22.200	117ET	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,499,962:77:0	
3527	96	180	22:08:26.866	127ET	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,499,962:84:0	
3528	**96**	**180**	**22:08:26.866**	**127ET4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,499,962:84:0**	
3529	**96**	**180**	**22:08:27.533**	**127ET4B**	**37ETB**	**07,C7,19,D5,55,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,499,962:85:0**	
3530	96	180	22:08:30.866	175ET176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,499,962:90:0	
3531	96	180	22:08:31.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2204.12 +/- 12	2R7	4	21	3,499,962:90:3	
3532	96	180	22:08:31.533	117ET105A106A4A	7STRP	-0.0045,0.0,0,0,	Slew =,0.76	2R7	4	21	3,499,963:00:0	
3533	96	180	22:08:35.533	127ET11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,499,963:06:0	
3534	96	180	22:08:40.866	117ET11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,499,963:14:0	
3535	96	180	22:08:50.866	175ET6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,499,963:29:0	
3536	96	180	22:08:50.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2199.47 +/- 12	2R7	4	21	3,499,963:29:0	
3537	96	180	22:08:50.866	175ET422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,499,963:29:0	
3538	96	180	22:08:52.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2199.41 +/- 12	2R7	4	21	3,499,963:31:1	
3539	**96**	**180**	**22:11:40.866**	**G1INTHRMAL04-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
3540	96	180	22:20:00.200	41U99A	POWER	PWR MODE change	Change to Maneuver Mode	2R7	4	21	3,499,974:32:0	
3541	**96**	**180**	**22:20:04.200**	**41U3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**2R7**	**4**	**21**	**3,499,974:38:0**	
3542	**96**	**180**	**22:20:14.200**	**41U3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**2R7**	**4**	**21**	**3,499,974:53:0**	
3543	**96**	**180**	**22:22:24.200**	**41U3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**2R7**	**4**	**21**	**3,499,976:66:0**	
3544	**96**	**180**	**22:22:34.200**	**41U3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**2R7**	**4**	**21**	**3,499,976:81:0**	
3545	**96**	**180**	**22:22:44.200**	**41U3I**	**40T2**	**1**	**PCT Heater 2 ON**	**2R7**	**4**	**21**	**3,499,977:05:0**	
3546	**96**	**180**	**22:22:54.200**	**41U3J**	**40T2**	**2**	**PCT Heater 2 ON**	**2R7**	**4**	**21**	**3,499,977:20:0**	
3547	96	180	22:35:02.866	490UA412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	2R7	4	21	3,499,989:21:0	
3548	96	180	22:40:00.866	490UA412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2R7	4	21	3,499,994:13:0	
3549	96	180	22:44:10.866	490UA412A4E	7VECT	RTH	Inert vect update UTC	2R7	4	21	3,499,998:24:0	
3550	96	180	22:44:14.866	490UA412A4F	7TURN	2,RTH	ALERT Thruster	2R7	4	21	3,499,998:30:0	
3551	96	180	22:48:02.866	490UA412A406A4A	7VECT		Inert vect update UTC	2R7	4	21	3,500,002:08:0	
3552	96	180	22:48:04.866	490UA412A406A4B	7STAR	1,3000,95.710999	Star catalog update	2R7	4	21	3,500,002:11:0	
3553	96	180	22:48:06.866	490UA412A406A4C	7STAR	2,217,50.186,49.	Star catalog update	2R7	4	21	3,500,002:14:0	
3554	96	180	22:48:08.866	490UA412A406A4D	7STAR	3,0,0.0,0.0	Star catalog update	2R7	4	21	3,500,002:17:0	
3555	96	180	22:48:10.866	490UA412A406A4E	7STAR	4,0,0.0,0.0	Star catalog update	2R7	4	21	3,500,002:20:0	
3556	96	180	22:48:12.866	490UA412A406A4F	7STAR	5,0,0.0,0.0	Star catalog update	2R7	4	21	3,500,002:23:0	
3557	96	180	22:48:14.866	490UA412A406A4G	7STAR	6,0,0.0,0.0	Star catalog update	2R7	4	21	3,500,002:26:0	
3558	**96**	**181**	**00:19:58.200**	**432SC6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**2R7**	**4**	**21**	**3,500,093:00:0**	
3559	96	181	00:50:00.200	41Y99A	POWER	PWR MODE change	Change to Data Taking Mode	2R7	4	21	3,500,122:64:0	
3560	**96**	**181**	**00:50:04.200**	**41Y3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**2R7**	**4**	**21**	**3,500,122:70:0**	
3561	**96**	**181**	**00:50:14.200**	**41Y3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**2R7**	**4**	**21**	**3,500,122:85:0**	
3562	**96**	**181**	**00:50:24.200**	**41Y3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**2R7**	**4**	**21**	**3,500,123:09:0**	
3563	**96**	**181**	**00:50:34.200**	**41Y3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**2R7**	**4**	**21**	**3,500,123:24:0**	
3564	**96**	**181**	**00:50:44.200**	**41Y3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**2R7**	**4**	**21**	**3,500,123:39:0**	
3565	**96**	**181**	**00:50:54.200**	**41Y3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**2R7**	**4**	**21**	**3,500,123:54:0**	
3566	96	181	00:59:59.533	432OD431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R7	4	21	3,500,132:53:0	
3567	96	181	01:00:00.200	432OD6A	6RTSL1		R/T Select of DDS and	2R7	4	21	3,500,132:54:0	
3568	96	181	01:01:24.200	165IT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,500,133:89:0	
3569	96	181	01:01:24.866	165IT4B	7SCAN	NORM,42.599,14.6	Check S/P Position	2R7	4	21	3,500,133:90:0	
3570	96	181	01:01:25.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2199.41 +/- 12	2R7	4	21	3,500,134:00:0	
3571	96	181	01:01:25.533	411JB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,500,134:00:0	
3572	96	181	01:01:35.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2200.69 +/- 12	2R7	4	21	3,500,134:14:3	
3573	96	181	01:01:35.533	411JB6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R7	4	21	3,500,134:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3574	96	181	01:03:36.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2172.14 +/- 12	2R7	4	21	3,500,136:15:0	
3575	96	181	01:03:36.866	411JB6D	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,500,136:15:0	
3576	96	181	01:03:36.866	411JB6C	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,500,136:15:0	
3577	96	181	01:03:38.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2172.08 +/- 12	2R7	4	21	3,500,136:17:1	
3578	96	181	01:05:22.200	118IT	**SMOS**	GS		2R7	4	21	3,500,137:82:0	
3579	96	181	01:05:32.200	118IT110A111A4A	7STRP	-0.002,0.0,92,0,	Slew =,1.01	2R7	4	21	3,500,138:06:0	
3580	96	181	01:06:19.533		DMS:	: *US-RUNUP	R115, TRACK 4, REV, TIC 2172.08 +/- 12	2R7	4	21	3,500,138:77:0	
3581	96	181	01:06:19.533	175IM422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	21	3,500,138:77:0	
3582	96	181	01:06:31.533	175IM176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	21	3,500,139:04:0	
3583	96	181	01:06:31.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2167.21 +/- 13	2R7	4	21	3,500,139:04:1	
3584	96	181	01:06:33.533	118IT11A	**SMOS**	GE		2R7	4	21	3,500,139:07:0	
3585	96	181	01:09:00.200	465TL6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	2R7	4	21	3,500,141:45:0	
3586	96	181	01:09:00.200		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1644.79 +/- 13	2R7	4	21	3,500,141:45:0	
3587	96	181	01:09:01.600		DMS:	: *RUNUP	P7, TRACK *1, *FWD, TIC *1643.87 +/- 13	2R7	4	21	3,500,141:47:1	
3588	96	181	01:09:03.066		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC *1643.99 +/- 13	2R7	4	21	3,500,141:49:3	
3589	**96**	**181**	**01:14:32.866**	**432SD6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**2R7**	**4**	**21**	**3,500,146:89:0**	
3590	96	181	01:39:08.200	465TL6B	6DMSC	RDY,1	DMS Control Tape stop	2R7	4	21	3,500,171:27:0	
3591	96	181	01:39:08.200		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2067.07 +/- 13	2R7	4	21	3,500,171:27:0	
3592	96	181	01:39:09.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2067.13 +/- 13	2R7	4	21	3,500,171:29:1	
3593	**96**	**181**	**02:24:24.199**	**G1INCHEMIS06-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
3594	96	181	02:25:13.533	165EU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,500,216:80:0	
3595	96	181	02:25:14.200	165EU4B	7SCAN	NORM,42.042,15.0	Check S/P Position	2R7	4	21	3,500,216:81:0	
3596	96	181	02:27:12.200		DMS:	: *US-RUNUP	R7, TRACK *4, *REV, TIC 2067.13 +/- 13	2R7	4	21	3,500,218:76:0	
3597	96	181	02:27:12.200	175EU422A6A	6DMSC	R7,4	DMS Control Tape runup 7.68kbp	2R7	4	21	3,500,218:76:0	
3598	96	181	02:27:12.866	117EU	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,500,218:77:0	
3599	96	181	02:27:17.533	127EU	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,500,218:84:0	
3600	**96**	**181**	**02:27:17.533**	**127EU4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,500,218:84:0**	
3601	**96**	**181**	**02:27:18.200**	**127EU4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,500,218:85:0**	
3602	96	181	02:27:21.533	175EU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,500,218:90:0	
3603	96	181	02:27:21.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2068.41 +/- 13	2R3	4	0	3,500,218:90:3	
3604	96	181	02:27:22.200	117EU105A106A4A	7STRP	0.002,0.0,0,0,0,	Slew =,0.03	2R3	4	0	3,500,219:00:0	
3605	96	181	02:27:26.200	127EU11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,500,219:06:0	
3606	96	181	02:28:34.200	117EU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,500,220:17:0	
3607	96	181	02:28:44.200	175EU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,500,220:32:0	
3608	96	181	02:28:44.200	175EU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,500,220:32:0	
3609	96	181	02:28:44.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2049.08 +/- 13	2R3	4	0	3,500,220:32:0	
3610	**96**	**181**	**02:28:45.533**	**G1INCHEMIS06-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3611	96	181	02:28:45.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2049.02 +/- 13	2R3	4	0	3,500,220:34:1	
3612	**96**	**181**	**02:29:27.533**	**G1INTHRMAL05-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3613	96	181	02:30:22.866	165EV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,500,221:89:0	
3614	96	181	02:30:23.533	165EV4B	7SCAN	NORM,41.784,14.9	Check S/P Position	2R3	4	0	3,500,221:90:0	
3615	96	181	02:32:15.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 2049.02 +/- 13	2R3	4	0	3,500,223:76:0	
3616	96	181	02:32:15.533	175EV422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,500,223:76:0	
3617	96	181	02:32:16.200	117EV	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,500,223:77:0	
3618	96	181	02:32:20.866	127EV	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,500,223:84:0	
3619	**96**	**181**	**02:32:20.866**	**127EV4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,500,223:84:0**	
3620	**96**	**181**	**02:32:21.533**	**127EV4B**	**37ETB**	**07,C7,19,D5,55,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,500,223:85:0**	
3621	96	181	02:32:24.866	175EV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,500,223:90:0	
3622	96	181	02:32:25.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2050.30 +/- 13	2R7	4	21	3,500,223:90:3	
3623	96	181	02:32:25.533	117EV105A106A4A	7STRP	-0.003,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,500,224:00:0	
3624	96	181	02:32:29.533	127EV11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,500,224:06:0	
3625	96	181	02:32:33.533	175EV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,500,224:12:0	
3626	96	181	02:32:33.533	175EV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,500,224:12:0	
3627	96	181	02:32:33.533	117EV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,500,224:12:0	
3628	96	181	02:32:33.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2048.31 +/- 13	2R7	4	21	3,500,224:12:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3629	96	181	02:32:34.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2048.25 +/- 13	2R7	4	21	3,500,224:14:1
3630	**96**	**181**	**02:35:18.866**	**G1INTHRMAL05-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**
3631	**96**	**181**	**02:39:30.200**	**432SE6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**2R7**	**4**	**21**	**3,500,231:00:0**
3632	96	181	02:46:33.533	165IU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,500,237:89:0
3633	96	181	02:46:34.200	165IU4B	7SCAN	NORM,41.836,14.9	Check S/P Position	2R7	4	21	3,500,237:90:0
3634	96	181	02:50:31.533	118IU	**SMOS**	GS		2R7	4	21	3,500,241:82:0
3635	96	181	02:50:41.533	118IU110A111A4A	7STRP	-0.002,0.0,92,0,	Slew =,1.01	2R7	4	21	3,500,242:06:0
3636	96	181	02:51:28.866		DMS:	: *US-RUNUP	R115, TRACK 4, REV, TIC 2048.25 +/- 13	2R7	4	21	3,500,242:77:0
3637	96	181	02:51:28.866	175IN422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	21	3,500,242:77:0
3638	96	181	02:51:40.866	175IN176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	21	3,500,243:04:0
3639	96	181	02:51:40.933		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2043.38 +/- 13	2R7	4	21	3,500,243:04:1
3640	96	181	02:51:42.866	118IU11A	**SMOS**	GE		2R7	4	21	3,500,243:07:0
3641	96	181	02:54:09.533	465TM6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	2R7	4	21	3,500,245:45:0
3642	96	181	02:54:09.533		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1520.96 +/- 13	2R7	4	21	3,500,245:45:0
3643	96	181	02:54:10.933		DMS:	: *RUNUP	P7, TRACK *1, *FWD, TIC *1520.04 +/- 13	2R7	4	21	3,500,245:47:1
3644	96	181	02:54:12.400		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC *1520.16 +/- 13	2R7	4	21	3,500,245:49:3
3645	96	181	03:24:17.533	465TM6B	6DMSC	RDY,1	DMS Control Tape stop	2R7	4	21	3,500,275:27:0
3646	96	181	03:24:17.533		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *1943.24 +/- 13	2R7	4	21	3,500,275:27:0
3647	96	181	03:24:18.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1943.30 +/- 13	2R7	4	21	3,500,275:29:1
3648	96	181	03:31:02.866	165FU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,500,281:89:0
3649	96	181	03:31:03.533	165FU4B	7SCAN	NORM,41.959,15.3	Check S/P Position	2R7	4	21	3,500,281:90:0
3650	**96**	**181**	**03:31:08.199**	**G1INRCECLI01-**		**-----START------**		**2R7**	**4**	**21**	**: :**
3651	96	181	03:34:56.866	175FU422A6A	6DMSC	R7,4	DMS Control Tape runup 7.68kbp	2R7	4	21	3,500,285:76:0
3652	96	181	03:34:56.866		DMS:	: *US-RUNUP	R7, TRACK *4, *REV, TIC 1943.30 +/- 14	2R7	4	21	3,500,285:76:0
3653	96	181	03:34:57.533	117FU	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,500,285:77:0
3654	96	181	03:35:02.200	127FU	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,500,285:84:0
3655	**96**	**181**	**03:35:02.866**	**127FU4A**	**37ETB**	**07,C7,19,D5,55,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,500,285:85:0**
3656	96	181	03:35:06.200	175FU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,500,285:90:0
3657	96	181	03:35:06.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1944.58 +/- 14	2R7	4	21	3,500,285:90:3
3658	96	181	03:35:06.866	117FU105A106A4A	7STRP	0.003,0.0,0,0,0,	Slew =,0.76	2R7	4	21	3,500,286:00:0
3659	96	181	03:35:10.866	127FU11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,500,286:06:0
3660	96	181	03:35:14.866	117FU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,500,286:12:0
3661	96	181	03:35:24.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1940.25 +/- 14	2R7	4	21	3,500,286:27:0
3662	96	181	03:35:24.866	175FU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,500,286:27:0
3663	96	181	03:35:24.866	175FU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,500,286:27:0
3664	96	181	03:35:26.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1940.19 +/- 14	2R7	4	21	3,500,286:29:1
3665	**96**	**181**	**03:36:11.533**	**G1INRCECLI01-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**
3666	96	181	03:37:12.200	117HC	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,500,288:06:0
3667	96	181	03:37:16.866	165HC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,500,288:13:0
3668	96	181	03:37:17.533	165HC4B	7SCAN	NORM,42.0,15.455	Check S/P Position	2R7	4	21	3,500,288:14:0
3669	96	181	03:37:57.533	176HC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R7	4	21	3,500,288:74:0
3670	96	181	03:37:57.533	117HC105A106A4A	7STRP	0.0035,0.0,0,0,0	Slew =,0.04	2R7	4	21	3,500,288:74:0
3671	96	181	03:39:31.533	117HC105A106A4B	7STRP	-0.0037,0.0013,0	Slew =12.01	2R7	4	21	3,500,290:33:0
3672	96	181	03:39:37.533	117HC105A106A4C	7STRP	0.0035,0.0,0,0,0	Slew =,0.04	2R7	4	21	3,500,290:42:0
3673	96	181	03:41:11.533	117HC105A106A4D	7STRP	-0.0037,0.0013,0	Slew =12.01	2R7	4	21	3,500,292:01:0
3674	96	181	03:41:17.533	117HC105A106A4E	7STRP	0.0035,0.0,0,0,0	Slew =,0.04	2R7	4	21	3,500,292:10:0
3675	96	181	03:42:51.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1940.19 +/- 14	2R7	4	21	3,500,293:60:0
3676	96	181	03:42:51.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,500,293:60:0
3677	96	181	03:42:51.533	176HC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,500,293:60:0
3678	96	181	03:42:51.533	117HC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,500,293:60:0
3679	96	181	03:43:01.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1941.46 +/- 14	2R7	4	21	3,500,293:74:3
3680	96	181	03:43:12.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1938.70 +/- 14	2R7	4	21	3,500,294:01:0
3681	96	181	03:43:12.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,500,294:01:0
3682	96	181	03:43:14.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1938.64 +/- 14	2R7	4	21	3,500,294:03:1
3683	96	181	03:44:11.533	165IV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,500,294:89:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3684	96	181	03:44:12.200	165IV4B	7SCAN	NORM,41.869,15.2	Check S/P Position	2R7	4	21	3,500,294:90:0	
3685	96	181	03:46:08.200	118IV	**SMOS**	GS		2R7	4	21	3,500,296:82:0	
3686	96	181	03:46:18.200	118IV110A111A4A	7STRP	-0.0039,0.0,92,0	Slew =,1.01	2R7	4	21	3,500,297:06:0	
3687	96	181	03:46:35.533	175IO422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	21	3,500,297:32:0	
3688	96	181	03:46:35.533		DMS:	: *US-RUNUP	R115, TRACK 4, REV, TIC 1938.64 +/- 14	2R7	4	21	3,500,297:32:0	
3689	96	181	03:46:47.533	175IO176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	21	3,500,297:50:0	
3690	96	181	03:46:47.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1933.76 +/- 14	2R7	4	21	3,500,297:50:1	
3691	96	181	03:46:48.866	118IV11A	**SMOS**	GE		2R7	4	21	3,500,297:52:0	
3692	96	181	03:49:15.533	465TN6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	2R7	4	21	3,500,299:90:0	
3693	96	181	03:49:15.533		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1413.69 +/- 14	2R7	4	21	3,500,299:90:0	
3694	96	181	03:49:16.933		DMS:	: *RUNUP	P7, TRACK *1, *FWD, TIC *1412.77 +/- 14	2R7	4	21	3,500,300:01:1	
3695	96	181	03:49:18.400		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC *1412.89 +/- 14	2R7	4	21	3,500,300:03:3	
3696	**96**	**181**	**03:52:16.866**	**432SF6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**2R7**	**4**	**21**	**3,500,302:89:0**	
3697	96	181	04:16:21.533	465TN6B	6DMSC	RDY,1	DMS Control Tape stop	2R7	4	21	3,500,326:72:0	
3698	96	181	04:16:21.533		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *1793.31 +/- 14	2R7	4	21	3,500,326:72:0	
3699	96	181	04:16:22.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1793.37 +/- 14	2R7	4	21	3,500,326:74:1	
3700	96	181	04:18:34.200	165EX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,500,328:89:0	
3701	96	181	04:18:34.866	165EX4B	7SCAN	NORM,61.239,19.9	Check S/P Position	2R7	4	21	3,500,328:90:0	
3702	**96**	**181**	**04:18:39.599**	**G1JNGRS14101-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
3703	**96**	**181**	**04:19:31.533**	**125EX4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R7**	**4**	**21**	**3,500,329:84:0**	
3704	96	181	04:19:31.533	125EX	NIMSINIT	GS	##### GROUP START INIT	2R7	4	21	3,500,329:84:0	
3705	96	181	04:19:31.533	125EX11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	21	3,500,329:84:0	
3706	96	181	04:20:26.866		DMS:	: *US-RUNUP	R7, TRACK *4, *REV, TIC 1793.37 +/- 14	2R7	4	21	3,500,330:76:0	
3707	96	181	04:20:26.866	175EX422A6A	6DMSC	R7,4	DMS Control Tape runup 7.68kbp	2R7	4	21	3,500,330:76:0	
3708	96	181	04:20:27.533	117EX	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,500,330:77:0	
3709	96	181	04:20:32.200	127EX	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,500,330:84:0	
3710	**96**	**181**	**04:20:32.200**	**127EX4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,500,330:84:0**	
3711	**96**	**181**	**04:20:32.866**	**127EX4B**	**37ETB**	**,00,05,FF,F8,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,500,330:85:0**	
3712	96	181	04:20:36.200	175EX176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,500,330:90:0	
3713	96	181	04:20:36.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1794.65 +/- 14	2R5	4	1	3,500,330:90:3	
3714	96	181	04:20:36.866	117EX105A106A4A	7STRP	0.020003,0.0,0,0	Slew =,0.11	2R5	4	1	3,500,331:00:0	
3715	96	181	04:20:40.866	127EX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,500,331:06:0	
3716	96	181	04:24:10.866	117EX105A106A4B	7STRP	-0.019002,0.008,	Slew =12.01	2R5	4	1	3,500,334:48:0	
3717	96	181	04:24:24.866	117EX105A106A4C	7STRP	0.020003,0.0,0,0	Slew =,0.11	2R5	4	1	3,500,334:69:0	
3718	96	181	04:27:58.866	117EX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,500,338:26:0	
3719	96	181	04:28:08.866	175EX6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,500,338:41:0	
3720	96	181	04:28:08.866	175EX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,500,338:41:0	
3721	96	181	04:28:08.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1688.60 +/- 14	2R5	4	1	3,500,338:41:0	
3722	96	181	04:28:10.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1688.54 +/- 14	2R5	4	1	3,500,338:43:1	
3723	**96**	**181**	**04:28:40.266**	**G1JNGRS14101-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3724	96	181	04:42:50.200	165EY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,500,352:89:0	
3725	96	181	04:42:50.866	165EY4B	7SCAN	NORM,61.819,20.1	Check S/P Position	2R5	4	1	3,500,352:90:0	
3726	**96**	**181**	**04:42:55.599**	**G1JNGRS14102-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3727	96	181	04:44:42.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1688.54 +/- 15	2R5	4	1	3,500,354:76:0	
3728	96	181	04:44:42.866	175EY422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,500,354:76:0	
3729	96	181	04:44:43.533	117EY	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,500,354:77:0	
3730	96	181	04:44:48.200	127EY	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,500,354:84:0	
3731	**96**	**181**	**04:44:48.866**	**127EY4A**	**37ETB**	**,00,05,FF,F8,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,500,354:85:0**	
3732	96	181	04:44:52.200	175EY176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,500,354:90:0	
3733	96	181	04:44:52.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1689.82 +/- 15	2R5	4	1	3,500,354:90:3	
3734	96	181	04:44:52.866	117EY105A106A4A	7STRP	0.026006,0.0,0,0	Slew =,0.12	2R5	4	1	3,500,355:00:0	
3735	96	181	04:44:56.866	127EY11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,500,355:06:0	
3736	96	181	04:48:42.866	117EY105A106A4B	7STRP	-0.026006,0.008,	Slew =12.01	2R5	4	1	3,500,358:72:0	
3737	96	181	04:48:54.866	117EY105A106A4C	7STRP	0.026006,0.0,0,0	Slew =,0.12	2R5	4	1	3,500,358:90:0	
3738	96	181	04:52:44.866	117EY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,500,362:71:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3739	96	181	04:52:54.866	175EY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,500,362:86:0
3740	96	181	04:52:54.866	175EY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,500,362:86:0
3741	96	181	04:52:54.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1576.74 +/- 15	2R5	4	1	3,500,362:86:0
3742	**96**	**181**	**04:52:56.266**	**G1JNGRS14102-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
3743	96	181	04:52:56.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1576.68 +/- 15	2R5	4	1	3,500,362:88:1
3744	**96**	**181**	**05:00:06.866**	**G1INCHEMIS08-**		**-----START------**		**2R5**	**4**	**1**	**: :**
3745	96	181	05:00:42.200	165FM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,500,370:59:0
3746	96	181	05:00:42.866	165FM4B	7SCAN	NORM,42.664,15.9	Check S/P Position	2R5	4	1	3,500,370:60:0
3747	96	181	05:02:54.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1576.68 +/- 15	2R5	4	1	3,500,372:76:0
3748	96	181	05:02:54.866	175FM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,500,372:76:0
3749	96	181	05:02:55.533	117FM	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,500,372:77:0
3750	**96**	**181**	**05:03:00.200**	**127FM4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,500,372:84:0**
3751	96	181	05:03:00.200	127FM	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,500,372:84:0
3752	**96**	**181**	**05:03:00.866**	**127FM4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,500,372:85:0**
3753	96	181	05:03:04.200	175FM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,500,372:90:0
3754	96	181	05:03:04.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1577.96 +/- 15	2R3	4	0	3,500,372:90:3
3755	96	181	05:03:04.866	117FM105A106A4A	7STRP	0.0009,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,500,373:00:0
3756	96	181	05:03:08.866	127FM11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,500,373:06:0
3757	96	181	05:03:37.533	117FM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,500,373:49:0
3758	96	181	05:03:47.533	175FM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,500,373:64:0
3759	96	181	05:03:47.533	175FM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,500,373:64:0
3760	96	181	05:03:47.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1567.85 +/- 15	2R3	4	0	3,500,373:64:0
3761	96	181	05:03:48.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1567.79 +/- 15	2R3	4	0	3,500,373:66:1
3762	**96**	**181**	**05:04:11.533**	**G1INCHEMIS08-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
3763	**96**	**181**	**05:05:10.199**	**G1INTHRMAL07-**		**-----START------**		**2R3**	**4**	**0**	**: :**
3764	96	181	05:05:45.533	165FN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,500,375:59:0
3765	96	181	05:05:46.200	165FN4B	7SCAN	NORM,42.531,15.9	Check S/P Position	2R3	4	0	3,500,375:60:0
3766	96	181	05:06:02.200	125FN11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,500,375:84:0
3767	**96**	**181**	**05:06:02.200**	**125FN4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,500,375:84:0**
3768	96	181	05:06:02.200	125FN	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,500,375:84:0
3769	96	181	05:06:57.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1567.79 +/- 15	4R3	4	0	3,500,376:76:0
3770	96	181	05:06:57.533	175FN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,500,376:76:0
3771	96	181	05:06:58.200	117FN	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,500,376:77:0
3772	**96**	**181**	**05:07:02.866**	**127FN4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**4R7**	**4**	**21**	**3,500,376:84:0**
3773	96	181	05:07:02.866	127FN	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	21	3,500,376:84:0
3774	**96**	**181**	**05:07:03.533**	**127FN4B**	**37ETB**	**07,C7,19,D5,55,0**	**Loads wavelength edit table**	**4R7**	**4**	**21**	**3,500,376:85:0**
3775	96	181	05:07:06.866	175FN176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R7	4	21	3,500,376:90:0
3776	96	181	05:07:07.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1569.06 +/- 15	4R7	4	21	3,500,376:90:3
3777	96	181	05:07:07.533	117FN105A106A4A	7STRP	-0.0029,0.0,0,0,	Slew =,0.76	4R7	4	21	3,500,377:00:0
3778	96	181	05:07:11.533	127FN11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	21	3,500,377:06:0
3779	96	181	05:07:14.866	117FN11A	**CSMOS**	GE	***** GROUP END CSMOS	4R7	4	21	3,500,377:11:0
3780	96	181	05:07:24.866	175FN6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R7	4	21	3,500,377:26:0
3781	96	181	05:07:24.866	175FN422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	21	3,500,377:26:0
3782	96	181	05:07:24.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1564.89 +/- 15	4R7	4	21	3,500,377:26:0
3783	96	181	05:07:26.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1564.83 +/- 15	4R7	4	21	3,500,377:28:1
3784	**96**	**181**	**05:07:35.533**	**G1INTHRMAL07-**		**-----STOP-------**		**4R7**	**4**	**21**	**: :**
3785	96	181	05:44:32.200	411JC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	21	3,500,414:00:0
3786	96	181	05:44:32.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1564.83 +/- 15	4R7	4	21	3,500,414:00:0
3787	96	181	05:44:41.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1566.11 +/- 15	4R7	4	21	3,500,414:14:3
3788	96	181	05:44:42.200	411JC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R7	4	21	3,500,414:15:0
3789	96	181	05:46:43.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1537.56 +/- 15	4R7	4	21	3,500,416:15:0
3790	96	181	05:46:43.533	411JC6D	6TMREC	**NRC**	NO RECORD Record Mode Change	4R7	4	21	3,500,416:15:0
3791	96	181	05:46:43.533	411JC6C	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	21	3,500,416:15:0
3792	96	181	05:46:44.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1537.50 +/- 15	4R7	4	21	3,500,416:17:1
3793	**96**	**181**	**05:59:46.199**	**G1INCHEMIS09-**		**-----START------**		**4R7**	**4**	**21**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3794	96	181	06:00:21.533	165FO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	21	3,500,429:59:0
3795	96	181	06:00:22.200	165FO4B	7SCAN	NORM,43.506,16.4	Check S/P Position	4R7	4	21	3,500,429:60:0
3796	**96**	**181**	**06:01:38.866**	**125FO4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R7**	**4**	**21**	**3,500,430:84:0**
3797	96	181	06:01:38.866	125FO	NIMSINIT	GS	##### GROUP START INIT	2R7	4	21	3,500,430:84:0
3798	96	181	06:01:38.866	125FO11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	21	3,500,430:84:0
3799	96	181	06:02:34.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1537.50 +/- 15	2R7	4	21	3,500,431:76:0
3800	96	181	06:02:34.200	175FO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,500,431:76:0
3801	96	181	06:02:34.866	117FO	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,500,431:77:0
3802	96	181	06:02:39.533	127FO	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,500,431:84:0
3803	**96**	**181**	**06:02:39.533**	**127FO4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,500,431:84:0**
3804	**96**	**181**	**06:02:40.200**	**127FO4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,500,431:85:0**
3805	96	181	06:02:43.533	175FO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,500,431:90:0
3806	96	181	06:02:43.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1538.77 +/- 15	2R3	4	0	3,500,431:90:3
3807	96	181	06:02:44.200	117FO105A106A4A	7STRP	0.0009,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,500,432:00:0
3808	96	181	06:02:48.200	127FO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,500,432:06:0
3809	96	181	06:03:16.866	117FO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,500,432:49:0
3810	96	181	06:03:26.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1528.67 +/- 15	2R3	4	0	3,500,432:64:0
3811	96	181	06:03:26.866	175FO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,500,432:64:0
3812	96	181	06:03:26.866	175FO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,500,432:64:0
3813	96	181	06:03:28.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1528.61 +/- 15	2R3	4	0	3,500,432:66:1
3814	**96**	**181**	**06:03:50.866**	**G1INCHEMIS09-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
3815	**96**	**181**	**06:04:49.533**	**G1INTHRMAL08-**		**-----START------**		**2R3**	**4**	**0**	**: :**
3816	96	181	06:05:24.866	165FP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,500,434:59:0
3817	96	181	06:05:25.533	165FP4B	7SCAN	NORM,43.399,16.4	Check S/P Position	2R3	4	0	3,500,434:60:0
3818	96	181	06:05:41.533	125FP11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,500,434:84:0
3819	96	181	06:05:41.533	125FP	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,500,434:84:0
3820	**96**	**181**	**06:05:41.533**	**125FP4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,500,434:84:0**
3821	96	181	06:06:36.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1528.61 +/- 16	4R3	4	0	3,500,435:76:0
3822	96	181	06:06:36.866	175FP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,500,435:76:0
3823	96	181	06:06:37.533	117FP	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,500,435:77:0
3824	**96**	**181**	**06:06:42.200**	**127FP4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**4R7**	**4**	**21**	**3,500,435:84:0**
3825	96	181	06:06:42.200	127FP	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	21	3,500,435:84:0
3826	**96**	**181**	**06:06:42.866**	**127FP4B**	**37ETB**	**07,C7,19,D5,55,0**	**Loads wavelength edit table**	**4R7**	**4**	**21**	**3,500,435:85:0**
3827	96	181	06:06:46.200	175FP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R7	4	21	3,500,435:90:0
3828	96	181	06:06:46.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1529.88 +/- 16	4R7	4	21	3,500,435:90:3
3829	96	181	06:06:46.866	117FP105A106A4A	7STRP	-0.0029,0.0,0,0,	Slew =,0.76	4R7	4	21	3,500,436:00:0
3830	96	181	06:06:50.866	127FP11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	21	3,500,436:06:0
3831	96	181	06:06:54.200	117FP11A	**CSMOS**	GE	***** GROUP END CSMOS	4R7	4	21	3,500,436:11:0
3832	96	181	06:07:04.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1525.71 +/- 16	4R7	4	21	3,500,436:26:0
3833	96	181	06:07:04.200	175FP422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	21	3,500,436:26:0
3834	96	181	06:07:04.200	175FP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R7	4	21	3,500,436:26:0
3835	96	181	06:07:05.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1525.65 +/- 16	4R7	4	21	3,500,436:28:1
3836	**96**	**181**	**06:07:14.866**	**G1INTHRMAL08-**		**-----STOP-------**		**4R7**	**4**	**21**	**: :**
3837	96	181	06:22:56.200	165EZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	21	3,500,451:89:0
3838	96	181	06:22:56.866	165EZ4B	7SCAN	NORM,43.894,16.6	Check S/P Position	4R7	4	21	3,500,451:90:0
3839	**96**	**181**	**06:23:01.533**	**G1INVOLCAN03-**		**-----START------**		**4R7**	**4**	**21**	**: :**
3840	96	181	06:23:53.533	125EZ11A	NIMSINIT	GE	##### GROUP END INIT	4R7	4	21	3,500,452:84:0
3841	96	181	06:23:53.533	125EZ	NIMSINIT	GS	##### GROUP START INIT	4R7	4	21	3,500,452:84:0
3842	**96**	**181**	**06:23:53.533**	**125EZ4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R7**	**4**	**21**	**3,500,452:84:0**
3843	96	181	06:24:48.866		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1525.65 +/- 16	2R7	4	21	3,500,453:76:0
3844	96	181	06:24:48.866	175EZ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,500,453:76:0
3845	96	181	06:24:49.533	117EZ	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,500,453:77:0
3846	96	181	06:24:54.200	127EZ	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,500,453:84:0
3847	**96**	**181**	**06:24:54.866**	**127EZ4A**	**37ETB**	**07,C7,19,D5,55,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,500,453:85:0**
3848	96	181	06:24:58.200	175EZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,500,453:90:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3849	96	181	06:24:58.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1526.92 +/- 16	2R7	4	21	3,500,453:90:3	
3850	96	181	06:24:58.866	117EZ105A106A4A	7STRP	0.0031,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,500,454:00:0	
3851	96	181	06:25:02.866	127EZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,500,454:06:0	
3852	96	181	06:25:06.866	117EZ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,500,454:12:0	
3853	96	181	06:25:16.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1522.60 +/- 16	2R7	4	21	3,500,454:27:0	
3854	96	181	06:25:16.866	175EZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,500,454:27:0	
3855	96	181	06:25:16.866	175EZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,500,454:27:0	
3856	96	181	06:25:18.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1522.54 +/- 16	2R7	4	21	3,500,454:29:1	
3857	**96**	**181**	**06:26:36.199**	**G1INVOLCAN03-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
3858	**96**	**181**	**06:27:00.200**	**432SG6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**2R7**	**4**	**21**	**3,500,456:00:0**	
3859	96	181	06:28:00.200	41T99A	POWER	PWR MODE change	Change to Maneuver Mode	2R7	4	21	3,500,456:90:0	
3860	**96**	**181**	**06:28:04.200**	**41T3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**2R7**	**4**	**21**	**3,500,457:05:0**	
3861	**96**	**181**	**06:28:14.200**	**41T3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**2R7**	**4**	**21**	**3,500,457:20:0**	
3862	**96**	**181**	**06:30:24.200**	**41T3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**2R7**	**4**	**21**	**3,500,459:33:0**	
3863	**96**	**181**	**06:30:34.200**	**41T3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**2R7**	**4**	**21**	**3,500,459:48:0**	
3864	**96**	**181**	**06:30:44.200**	**41T3I**	**40T2**	**1**	**PCT Heater 2 ON**	**2R7**	**4**	**21**	**3,500,459:63:0**	
3865	**96**	**181**	**06:30:54.200**	**41T3J**	**40T2**	**2**	**PCT Heater 2 ON**	**2R7**	**4**	**21**	**3,500,459:78:0**	
3866	96	181	06:43:02.866	490UB412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	2R7	4	21	3,500,471:79:0	
3867	96	181	06:48:00.866	490UB412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2R7	4	21	3,500,476:71:0	
3868	96	181	06:52:10.866	490UB412A4E	7VECT	RTH	Inert vect update UTC	2R7	4	21	3,500,480:82:0	
3869	96	181	06:52:14.866	490UB412A4F	7TURN	2,RTH	ALERT Thruster	2R7	4	21	3,500,480:88:0	
3870	96	181	06:56:02.866	490UB412A406A4A	7STAR	1,3000,95.710999	Star catalog update	2R7	4	21	3,500,484:66:0	
3871	96	181	06:56:04.866	490UB412A406A4B	7STAR	2,131,322.01	Star catalog update	2R7	4	21	3,500,484:69:0	
3872	96	181	06:56:06.866	490UB412A406A4C	7STAR	3,396,206.39	Star catalog update	2R7	4	21	3,500,484:72:0	
3873	96	181	06:56:08.866	490UB412A406A4D	7STAR	4,188,183.30	Star catalog update	2R7	4	21	3,500,484:75:0	
3874	96	181	06:56:10.866	490UB412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	2R7	4	21	3,500,484:78:0	
3875	96	181	06:56:12.866	490UB412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2R7	4	21	3,500,484:81:0	
3876	96	181	06:56:46.200	488AX6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R7	4	21	3,500,485:40:0	
3877	96	181	07:18:30.200	488AX6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R7	4	21	3,500,506:85:0	
3878	96	181	08:02:11.533	488AX6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R7	4	21	3,500,550:13:0	
3879	96	181	08:15:00.200	488AX6D	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	2R7	4	21	3,500,562:74:0	
3880	96	181	08:53:00.200	41Z99A	POWER	PWR MODE change	Change to Data Taking Mode	2R7	4	21	3,500,600:36:0	
3881	**96**	**181**	**08:53:04.200**	**41Z3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**2R7**	**4**	**21**	**3,500,600:42:0**	
3882	**96**	**181**	**08:53:14.200**	**41Z3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**2R7**	**4**	**21**	**3,500,600:57:0**	
3883	**96**	**181**	**08:53:24.200**	**41Z3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**2R7**	**4**	**21**	**3,500,600:72:0**	
3884	**96**	**181**	**08:53:34.200**	**41Z3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**2R7**	**4**	**21**	**3,500,600:87:0**	
3885	**96**	**181**	**08:53:44.200**	**41Z3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**2R7**	**4**	**21**	**3,500,601:11:0**	
3886	**96**	**181**	**08:53:54.200**	**41Z3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**2R7**	**4**	**21**	**3,500,601:26:0**	
3887	96	181	09:02:59.533	432OF431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R7	4	21	3,500,610:25:0	
3888	96	181	09:03:00.200	432OF6A	6RTSL1		R/T Select of DDS and	2R7	4	21	3,500,610:26:0	
3889	96	181	09:22:54.866	165FB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,500,629:89:0	
3890	96	181	09:22:55.533	165FB4B	7SCAN	NORM,48.261,18.4	Check S/P Position	2R7	4	21	3,500,629:90:0	
3891	**96**	**181**	**09:23:00.199**	**G1INVOLCAN02-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
3892	96	181	09:23:15.533	488AX6E	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R7	4	21	3,500,630:29:0	
3893	96	181	09:24:47.533	175FB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,500,631:76:0	
3894	96	181	09:24:47.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1522.54 +/- 16	2R7	4	21	3,500,631:76:0	
3895	96	181	09:24:48.200	117FB	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,500,631:77:0	
3896	96	181	09:24:52.866	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,500,631:84:0	
3897	**96**	**181**	**09:24:53.533**	**127FB4A**	**37ETB**	**07,C7,19,D5,55,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,500,631:85:0**	
3898	96	181	09:24:56.866	175FB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,500,631:90:0	
3899	96	181	09:24:57.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1523.81 +/- 16	2R7	4	21	3,500,631:90:3	
3900	96	181	09:24:57.533	117FB105A106A4A	7STRP	0.0026,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,500,632:00:0	
3901	96	181	09:25:01.533	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,500,632:06:0	
3902	96	181	09:25:04.200	117FB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,500,632:10:0	
3903	96	181	09:25:14.200	175FB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,500,632:25:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3904	96	181	09:25:14.200	175FB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,500,632:25:0
3905	96	181	09:25:14.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1519.80 +/- 16	2R7	4	21	3,500,632:25:0
3906	96	181	09:25:15.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1519.74 +/- 16	2R7	4	21	3,500,632:27:1
3907	**96**	**181**	**09:27:34.866**	**G1INVOLCAN02-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**
3908	96	181	09:29:44.866	488AY6A	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R7	4	21	3,500,636:67:0
3909	**96**	**181**	**10:25:41.533**	**G1INCHEMIS07-**		**-----START------**		**2R7**	**4**	**21**	**: :**
3910	96	181	10:26:16.866	165FC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,500,692:59:0
3911	96	181	10:26:17.533	165FC4B	7SCAN	NORM,50.236,19.1	Check S/P Position	2R7	4	21	3,500,692:60:0
3912	96	181	10:28:29.533	175FC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,500,694:76:0
3913	96	181	10:28:29.533		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1519.74 +/- 16	2R7	4	21	3,500,694:76:0
3914	96	181	10:28:30.200	117FC	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,500,694:77:0
3915	**96**	**181**	**10:28:34.866**	**127FC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,500,694:84:0**
3916	96	181	10:28:34.866	127FC	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,500,694:84:0
3917	**96**	**181**	**10:28:35.533**	**127FC4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,500,694:85:0**
3918	96	181	10:28:38.866	175FC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,500,694:90:0
3919	96	181	10:28:39.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1521.01 +/- 16	2R3	4	0	3,500,694:90:3
3920	96	181	10:28:39.533	117FC105A106A4A	7STRP	0.0009,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,500,695:00:0
3921	96	181	10:28:43.533	127FC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,500,695:06:0
3922	96	181	10:29:12.200	117FC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,500,695:49:0
3923	96	181	10:29:22.200	175FC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,500,695:64:0
3924	96	181	10:29:22.200	175FC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,500,695:64:0
3925	96	181	10:29:22.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1510.90 +/- 16	2R3	4	0	3,500,695:64:0
3926	96	181	10:29:23.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1510.84 +/- 16	2R3	4	0	3,500,695:66:1
3927	**96**	**181**	**10:29:39.533**	**G1INCHEMIS07-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
3928	**96**	**181**	**10:30:44.866**	**G1INTHRMAL06-**		**-----START------**		**2R3**	**4**	**0**	**: :**
3929	96	181	10:31:20.200	165FQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,500,697:59:0
3930	96	181	10:31:20.866	165FQ4B	7SCAN	NORM,50.207,19.1	Check S/P Position	2R3	4	0	3,500,697:60:0
3931	96	181	10:31:36.866	125FQ	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,500,697:84:0
3932	**96**	**181**	**10:31:36.866**	**125FQ4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,500,697:84:0**
3933	96	181	10:31:36.866	125FQ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,500,697:84:0
3934	96	181	10:32:32.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1510.84 +/- 16	4R3	4	0	3,500,698:76:0
3935	96	181	10:32:32.200	175FQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,500,698:76:0
3936	96	181	10:32:32.866	117FQ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,500,698:77:0
3937	**96**	**181**	**10:32:37.533**	**127FQ4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**4R7**	**4**	**21**	**3,500,698:84:0**
3938	96	181	10:32:37.533	127FQ	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	21	3,500,698:84:0
3939	**96**	**181**	**10:32:38.200**	**127FQ4B**	**37ETB**	**07,C7,19,D5,55,0**	**Loads wavelength edit table**	**4R7**	**4**	**21**	**3,500,698:85:0**
3940	96	181	10:32:41.533	175FQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R7	4	21	3,500,698:90:0
3941	96	181	10:32:41.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1512.12 +/- 17	4R7	4	21	3,500,698:90:3
3942	96	181	10:32:42.200	117FQ105A106A4A	7STRP	-0.0029,0.0,0,0,	Slew =,0.76	4R7	4	21	3,500,699:00:0
3943	96	181	10:32:46.200	127FQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	21	3,500,699:06:0
3944	96	181	10:32:49.533	117FQ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R7	4	21	3,500,699:11:0
3945	96	181	10:32:59.533	175FQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	21	3,500,699:26:0
3946	96	181	10:32:59.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1507.95 +/- 17	4R7	4	21	3,500,699:26:0
3947	96	181	10:32:59.533	175FQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R7	4	21	3,500,699:26:0
3948	96	181	10:33:00.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1507.89 +/- 17	4R7	4	21	3,500,699:28:1
3949	**96**	**181**	**10:34:54.866**	**G1INTHRMAL06-**		**-----STOP-------**		**4R7**	**4**	**21**	**: :**
3950	96	181	11:22:13.533	165FE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	21	3,500,747:89:0
3951	96	181	11:22:14.200	165FE4B	7SCAN	NORM,52.105,19.7	Check S/P Position	4R7	4	21	3,500,747:90:0
3952	**96**	**181**	**11:22:18.866**	**G1INVOLCAN01-**		**-----START------**		**4R7**	**4**	**21**	**: :**
3953	96	181	11:23:10.866	125FE11A	NIMSINIT	GE	##### GROUP END INIT	4R7	4	21	3,500,748:84:0
3954	96	181	11:23:10.866	125FE	NIMSINIT	GS	##### GROUP START INIT	4R7	4	21	3,500,748:84:0
3955	**96**	**181**	**11:23:10.866**	**125FE4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R7**	**4**	**21**	**3,500,748:84:0**
3956	96	181	11:24:06.200	175FE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,500,749:76:0
3957	96	181	11:24:06.200		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1507.89 +/- 17	2R7	4	21	3,500,749:76:0
3958	96	181	11:24:06.866	117FE	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,500,749:77:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3959	96	181	11:24:11.533	127FE	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,500,749:84:0	
3960	**96**	**181**	**11:24:12.200**	**127FE4A**	**37ETB**	**07,C7,19,D5,55,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,500,749:85:0**	
3961	96	181	11:24:15.533	175FE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	21	3,500,749:90:0	
3962	96	181	11:24:15.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1509.16 +/- 17	2R7	4	21	3,500,749:90:3	
3963	96	181	11:24:16.200	117FE105A106A4A	7STRP	0.0026,0.0,0,0,0	Slew =,0.76	2R7	4	21	3,500,750:00:0	
3964	96	181	11:24:20.200	127FE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,500,750:06:0	
3965	96	181	11:24:22.866	117FE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,500,750:10:0	
3966	96	181	11:24:32.866	175FE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	21	3,500,750:25:0	
3967	96	181	11:24:32.866	175FE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,500,750:25:0	
3968	96	181	11:24:32.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1505.15 +/- 17	2R7	4	21	3,500,750:25:0	
3969	96	181	11:24:34.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1505.09 +/- 17	2R7	4	21	3,500,750:27:1	
3970	**96**	**181**	**11:25:20.866**	**G1INVOLCAN01-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
3971	96	181	11:28:17.533	165DX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,500,753:89:0	
3972	96	181	11:28:18.200	165DX4B	7SCAN	NORM,52.331,19.9	Check S/P Position	2R7	4	21	3,500,753:90:0	
3973	**96**	**181**	**11:28:22.866**	**G1INIOMON_07-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
3974	96	181	11:31:16.200	125DX	NIMSINIT	GS	##### GROUP START INIT	2R7	4	21	3,500,756:84:0	
3975	**96**	**181**	**11:31:16.200**	**125DX4A**	**37MB**	**1C,07,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R7**	**4**	**21**	**3,500,756:84:0**	
3976	96	181	11:31:16.200	125DX11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	21	3,500,756:84:0	
3977	**96**	**181**	**11:31:40.866**	**432DX6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R7**	**4**	**21**	**3,500,757:30:0**	
3978	96	181	11:32:12.200	117DX	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,500,757:77:0	
3979	96	181	11:32:16.866	127DX	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,500,757:84:0	
3980	**96**	**181**	**11:32:17.533**	**127DX4A**	**37ETB**	**07,C7,19,2A,95,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,500,757:85:0**	
3981	96	181	11:32:21.533	117DX105A106A4A	7STRP	0.0025,0.0,0,0,0	Slew =,0.41	2R7	4	21	3,500,758:00:0	
3982	96	181	11:32:25.533	127DX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,500,758:06:0	
3983	96	181	11:32:31.533	117DX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,500,758:15:0	
3984	**96**	**181**	**11:32:33.533**	**G1INIOMON_07-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
3985	**96**	**181**	**11:32:40.200**	**432DT6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R7**	**4**	**21**	**3,500,758:28:0**	
3986	96	181	11:34:18.200	125FS11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	21	3,500,759:84:0	
3987	96	181	11:34:18.200	125FS	NIMSINIT	GS	##### GROUP START INIT	2R7	4	21	3,500,759:84:0	
3988	**96**	**181**	**11:34:18.200**	**125FS4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R7**	**4**	**21**	**3,500,759:84:0**	
3989	96	181	14:23:12.800	165FF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,500,926:89:0	
3990	96	181	14:23:13.466	165FF4B	7SCAN	NORM,74.273,22.9	Check S/P Position	2R7	4	21	3,500,926:90:0	
3991	**96**	**181**	**14:23:18.266**	**G1JNGRS15401-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
3992	96	181	14:27:06.800		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1505.09 +/- 17	2R7	4	21	3,500,930:76:0	
3993	96	181	14:27:06.800	175FF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	21	3,500,930:76:0	
3994	96	181	14:27:07.466	117FF	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	21	3,500,930:77:0	
3995	96	181	14:27:12.133	127FF	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	21	3,500,930:84:0	
3996	**96**	**181**	**14:27:12.133**	**127FF4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,500,930:84:0**	
3997	**96**	**181**	**14:27:12.800**	**127FF4B**	**37ETB**	**,00,05,FF,F8,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,500,930:85:0**	
3998	96	181	14:27:16.133	175FF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,500,930:90:0	
3999	96	181	14:27:16.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1506.36 +/- 17	2R5	4	1	3,500,930:90:3	
4000	96	181	14:27:16.800	117FF105A106A4A	7STRP	0.0095,0.0,0,0,0	Slew =,0.12	2R5	4	1	3,500,931:00:0	
4001	96	181	14:27:20.800	127FF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,500,931:06:0	
4002	96	181	14:29:02.800	117FF105A106A4B	7STRP	-0.008,0.008001,	Slew =12.01	2R5	4	1	3,500,932:68:0	
4003	96	181	14:29:14.800	117FF105A106A4C	7STRP	0.0095,0.0,0,0,0	Slew =,0.12	2R5	4	1	3,500,932:86:0	
4004	96	181	14:31:00.800	117FF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,500,934:63:0	
4005	96	181	14:31:10.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1451.41 +/- 17	2R5	4	1	3,500,934:78:0	
4006	96	181	14:31:10.800	175FF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,500,934:78:0	
4007	96	181	14:31:10.800	175FF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,500,934:78:0	
4008	96	181	14:31:12.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1451.35 +/- 17	2R5	4	1	3,500,934:80:1	
4009	**96**	**181**	**14:31:18.932**	**G1JNGRS15401-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4010	96	181	14:43:26.133	165FG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R5	4	1	3,500,946:89:0	
4011	96	181	14:43:26.800	165FG4B	7SCAN	NORM,74.601,23.1	Check S/P Position	2R5	4	1	3,500,946:90:0	
4012	**96**	**181**	**14:43:31.599**	**G1JNGRS15402-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4013	96	181	14:44:18.133	175FG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,500,947:76:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
4014	96	181	14:44:18.133		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1451.35 +/- 17	2R5	4	1	3,500,947:76:0
4015	96	181	14:44:18.800	117FG	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,500,947:77:0
4016	96	181	14:44:23.466	127FG	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,500,947:84:0
4017	**96**	**181**	**14:44:24.133**	**127FG4A**	**37ETB**	**,00,05,FF,F8,05,**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,500,947:85:0**
4018	96	181	14:44:27.466	175FG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,500,947:90:0
4019	96	181	14:44:27.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1452.62 +/- 17	2R5	4	1	3,500,947:90:3
4020	96	181	14:44:28.133	117FG105A106A4A	7STRP	0.009,0.0,0,0,0,	Slew =,0.12	2R5	4	1	3,500,948:00:0
4021	96	181	14:44:32.133	127FG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,500,948:06:0
4022	96	181	14:45:50.133	117FG105A106A4B	7STRP	-0.007,0.008001,	Slew =12.01	2R5	4	1	3,500,949:32:0
4023	96	181	14:46:02.133	117FG105A106A4C	7STRP	0.009,0.0,0,0,0,	Slew =,0.12	2R5	4	1	3,500,949:50:0
4024	96	181	14:47:24.133	117FG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,500,950:82:0
4025	96	181	14:47:34.133	175FG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,500,951:06:0
4026	96	181	14:47:34.133	175FG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,500,951:06:0
4027	96	181	14:47:34.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1408.92 +/- 17	2R5	4	1	3,500,951:06:0
4028	96	181	14:47:35.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1408.86 +/- 17	2R5	4	1	3,500,951:08:1
4029	**96**	**181**	**14:48:32.266**	**G1JNGRS15402-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
4030	**96**	**181**	**15:14:52.266**	**G1NNPCTCAL01-**		**-----START------**		**2R5**	**4**	**1**	**: :**
4031	96	181	15:15:00.133	444UB443A4A	**7MODE**	**CRU**	**AACS CRUISE MODE**	2R5	4	1	3,500,978:18:0
4032	96	181	15:21:00.133	444UC443A4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2R5	4	1	3,500,984:12:0
4033	96	181	15:25:00.133	444UC443A4B	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	2R5	4	1	3,500,988:08:0
4034	96	181	15:29:53.466	127DJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,500,992:84:0
4035	**96**	**181**	**15:29:54.133**	**127DJ4A**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,500,992:85:0**
4036	96	181	15:30:02.133	127DJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,500,993:06:0
4037	96	181	15:34:00.133	444UC443A4C	**7CLK**	**17.45,0.0**	**Check S/P Position**	2R5	4	1	3,500,996:90:0
4038	96	181	15:34:59.466	432OQ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R5	4	1	3,500,997:88:0
4039	96	181	15:35:00.133	432OQ6A	6RTSL1		R/T Select of DDS and	2R5	4	1	3,500,997:89:0
4040	**96**	**181**	**15:44:02.800**	**157DJ156B121A4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,501,006:84:0**
4041	**96**	**181**	**15:45:03.466**	**157DJ156B121B4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,501,007:84:0**
4042	96	181	15:45:08.133	192DJ4A	7CONE	17.0,110.0	Check S/P Position	4R3	4	0	3,501,008:00:0
4043	96	181	15:45:08.800	192DJ4B	**7CLK**	**17.0,90.0**	**Check S/P Position**	4R3	4	0	3,501,008:01:0
4044	96	181	15:48:00.133		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1408.86 +/- 17	4R3	4	0	3,501,010:76:0
4045	96	181	15:48:00.133	175DJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,501,010:76:0
4046	96	181	15:48:09.466	175DJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,501,010:90:0
4047	96	181	15:48:09.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1410.14 +/- 17	4R3	4	0	3,501,010:90:3
4048	96	181	15:51:12.133	192DJ4C	7CONE	17.0,54.88	Check S/P Position	4R3	4	0	3,501,014:00:0
4049	96	181	15:51:12.800	192DJ4D	**7CLK**	**17.0,244.07**	**Check S/P Position**	4R3	4	0	3,501,014:01:0
4050	96	181	15:51:22.800	175DJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,501,014:16:0
4051	96	181	15:51:22.800	175DJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,501,014:16:0
4052	96	181	15:51:22.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1364.87 +/- 17	4R3	4	0	3,501,014:16:0
4053	96	181	15:51:24.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1364.81 +/- 17	4R3	4	0	3,501,014:18:1
4054	96	181	15:54:04.133		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1364.81 +/- 17	4R3	4	0	3,501,016:76:0
4055	96	181	15:54:04.133	175FR422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,501,016:76:0
4056	96	181	15:54:13.466	175FR176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,501,016:90:0
4057	96	181	15:54:13.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1366.09 +/- 18	4R3	4	0	3,501,016:90:3
4058	96	181	15:57:16.133	192DJ4E	7CONE	17.0,110.0	Check S/P Position	4R3	4	0	3,501,020:00:0
4059	96	181	15:57:16.800	192DJ4F	**7CLK**	**17.0,90.0**	**Check S/P Position**	4R3	4	0	3,501,020:01:0
4060	96	181	15:57:26.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1320.82 +/- 18	4R3	4	0	3,501,020:16:0
4061	96	181	15:57:26.800	175FR422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,501,020:16:0
4062	96	181	15:57:26.800	175FR6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,501,020:16:0
4063	96	181	15:57:28.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1320.76 +/- 18	4R3	4	0	3,501,020:18:1
4064	96	181	16:00:08.133	175FS422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,501,022:76:0
4065	96	181	16:00:08.133		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1320.76 +/- 18	4R3	4	0	3,501,022:76:0
4066	**96**	**181**	**16:00:13.466**	**157DJ156B121C4A**	**37IST**	**0,2,1,OFF,1,1,1**	**OPCALGain State 4**	**4R3**	**4**	**0**	**3,501,022:84:0**
4067	96	181	16:00:17.466	175FS176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,501,022:90:0
4068	96	181	16:00:17.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1322.04 +/- 18	4R3	4	0	3,501,022:90:3

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4069	96	181	16:03:20.133	192DJ4G	7CONE	17.0,153.0	Check S/P Position	4R3	4	0	3,501,026:00:0	
4070	96	181	16:03:20.800	192DJ4H	**7CLK**	**17.0,0.0**	**Check S/P Position**	4R3	4	0	3,501,026:01:0	
4071	96	181	16:03:30.800	175FS422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,501,026:16:0	
4072	96	181	16:03:30.800	175FS6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,501,026:16:0	
4073	96	181	16:03:30.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1276.77 +/- 18	4R3	4	0	3,501,026:16:0	
4074	96	181	16:03:32.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1276.71 +/- 18	4R3	4	0	3,501,026:18:1	
4075	96	181	16:26:01.466	444UD443A4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4R3	4	0	3,501,048:40:0	
4076	96	181	16:30:00.133	488AZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,501,052:34:0	
4077	96	181	16:30:01.466	444UD443A4B	**7MODE**	**CRU**	**AACS CRUISE MODE**	4R3	4	0	3,501,052:36:0	
4078	96	181	16:33:00.133	488AZ6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R3	4	0	3,501,055:31:0	
4079	96	181	16:38:59.466	432OS431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	3,501,061:24:0	
4080	96	181	16:39:00.133	432OS6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,501,061:25:0	
4081	96	181	16:41:20.133	20UN4B	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4R3	4	0	3,501,063:53:0	
4082	96	181	16:47:00.133	20UN6A	6MROH	7,73C0,0,A10	read from AACSA7,73C0,0,A10	4R3	4	0	3,501,069:17:0	
4083	96	181	16:48:20.133	20UN6B	6MROH	7,73C0,0,A10	read from AACSA7,73C0,0,A10	4R3	4	0	3,501,070:46:0	
4084	**96**	**181**	**16:54:59.599**	**G1NNPCTCAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
4085	96	181	17:00:20.133	20UN4D	**7MODE**	**INT**	**AACS INERTIAL MODE**	4R3	4	0	3,501,082:34:0	
4086	96	181	18:18:43.466	488AZ6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4R3	4	0	3,501,159:82:0	
4087	96	181	19:16:22.800	127FS	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,501,216:84:0	
4088	**96**	**181**	**19:16:22.800**	**127FS4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**3,501,216:84:0**	
4089	**96**	**181**	**19:16:23.466**	**127FS4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**3,501,216:85:0**	
4090	96	181	19:16:31.466	127FS11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	3,501,217:06:0	
4091	**96**	**181**	**19:17:32.266**	**G1NNCHOPOF01-**		**-----START------**		**4R0**	**4**	**0**	**: :**	
4092	**96**	**181**	**19:18:24.133**	**125FZ4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,501,218:84:0**	
4093	96	181	19:18:24.133	125FZ	NIMSINIT	GS	##### GROUP START INIT	460	4	0	3,501,218:84:0	
4094	96	181	19:19:24.800	125FZ11A	NIMSINIT	GE	##### GROUP END INIT	460	4	0	3,501,219:84:0	
4095	**96**	**181**	**19:19:24.800**	**125FZ4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**3,501,219:84:0**	
4096	**96**	**181**	**19:27:38.932**	**G1NNCHOPOF01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
4097	96	181	19:29:07.466	488AZ6D	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	3,501,229:48:0	
4098	96	181	19:36:00.133	20UN6D	6MROH	7,73C0,0,A10	read from AACSA7,73C0,0,A10	4O0	4	0	3,501,236:30:0	
4099	96	181	19:37:20.133	20UN6E	6MROH	7,73C0,0,A10	read from AACSA7,73C0,0,A10	4O0	4	0	3,501,237:59:0	
4100	96	181	19:40:00.133	488AZ6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,501,240:26:0	
4101	96	181	19:48:25.466	488BA6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,501,248:56:0	
4102	96	181	20:30:00.133	488BA6B	6TMSED	FILL,BL2	Sci, Eng, and D/L Chan	4O0	4	0	3,501,289:67:0	
4103	96	181	22:24:03.466	488BA6C	6TMSED	FILL,BL3	Sci, Eng, and D/L Chan	4O0	4	0	3,501,402:49:0	
4104	96	181	22:31:20.800	488BA6D	6TMSED	NORM,BL3	Sci, Eng, and D/L Chan	4O0	4	0	3,501,409:68:0	
4105	96	182	01:57:31.466	431NB6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	4O0	4	0	3,501,613:60:0	
4106	96	182	02:00:42.133	175PA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,501,616:73:0	
4107	96	182	02:00:42.133		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 1276.71 +/- 18	4O0	4	0	3,501,616:73:0	
4108	96	182	02:00:51.466	175PA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	3,501,616:87:0	
4109	96	182	02:00:51.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1277.99 +/- 18	4O0	4	0	3,501,616:87:3	
4110	96	182	02:00:54.133	431JC6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	3,501,617:00:0	
4111	96	182	02:03:47.466	488BB6A	6TMSED	NORM,BL2	Sci, Eng, and D/L Chan	4O0	4	0	3,501,619:78:0	
4112	96	182	02:46:24.133	432JD431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,501,662:00:0	
4113	96	182	02:46:24.800	432JD6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,501,662:01:0	
4114	96	182	02:46:26.133	175PA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,501,662:03:0	
4115	96	182	02:46:26.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 637.10 +/- 18	4O0	4	0	3,501,662:03:0	
4116	96	182	02:46:27.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 637.04 +/- 18	4O0	4	0	3,501,662:05:1	
4117	96	182	02:48:04.133	432NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	3,501,663:59:0	
4118	96	182	02:48:04.800	432NB6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,501,663:60:0	
4119	96	182	03:15:00.133	488BB6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,501,690:26:0	
4120	96	182	03:18:27.466	488BB6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,501,693:64:0	
4121	**96**	**182**	**04:30:00.133**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,501,764:42:0**	
4122	**96**	**182**	**04:30:00.133**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,501,764:42:0**	
4123	**96**	**182**	**04:30:00.133**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,501,764:42:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4124	**96**	**182**	**04:30:00.133**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,501,764:42:0**	
4125	**96**	**182**	**04:30:00.133**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,501,764:42:0**	
4126	**96**	**182**	**04:30:00.133**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,501,764:42:0**	
4127	**96**	**182**	**04:30:00.133**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,501,764:42:0**	
4128	**96**	**182**	**04:30:00.133**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**3,501,764:42:0**	
4129	**96**	**182**	**04:30:00.133**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,501,764:42:0**	
4130	96	182	04:30:00.133		DMS:	: READY	RDY, TRACK 4, REV, TIC 637.04 +/- 18	4O0	4	0	3,501,764:42:0	

			Sequence:	G01B-AR		Created: 9/11/96	Begin: 96-182/04:30:00 Finish: 96-216/16:00:00				
Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	**96**	**182**	**04:30:00.133**	**20A3FF**	**40T2**	**Initial Condition**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,501,764:42:0**
2	**96**	**182**	**04:30:00.133**	**20AEEV**	**37IST**	**Initial Condition**		**4O0**	**4**	**0**	**3,501,764:42:0**
3	**96**	**182**	**04:30:00.133**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**3,501,764:42:0**
4	**96**	**182**	**04:30:00.133**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,501,764:42:0**
5	**96**	**182**	**04:30:00.133**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,501,764:42:0**
6	**96**	**182**	**04:30:00.133**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,501,764:42:0**
7	**96**	**182**	**04:30:00.133**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,501,764:42:0**
8	**96**	**182**	**04:30:00.133**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,501,764:42:0**
9	**96**	**182**	**04:30:00.133**	**125FZ4B**	**37IST**	**Initial Condition**	**Chopper OFF, N/A, 63Hz (Ref)Gain State 4**	**4O0**	**4**	**0**	**3,501,764:42:0**
10	96	182	04:30:00.133		DMS:	: READY	RDY, TRACK 4, REV, TIC 509.00 +/-	4O0	4	0	3,501,764:42:0
11	**96**	**182**	**04:30:00.133**	**127FS4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4O0**	**4**	**0**	**3,501,764:42:0**
12	**96**	**182**	**04:30:00.133**	**20A3FE**	**40T1P**	**CMD,40T1P,20A3FE**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,501,764:42:0**
13	**96**	**182**	**04:30:00.133**	**20A3FD**	**40HRPR**	**CMD,40HRPR,20A3F**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,501,764:42:0**
14	96	182	04:30:59.466	488AA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,501,765:40:0
15	**96**	**182**	**04:31:00.133**	**432WA6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,501,765:41:0**
16	**96**	**182**	**04:31:32.133**	**432JE6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4O0**	**4**	**0**	**3,501,765:89:0**
17	96	182	04:31:32.800	432JE431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	3,501,765:90:0
18	**96**	**182**	**04:31:33.466**	**432JE6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**4O0**	**4**	**0**	**3,501,766:00:0**
19	96	182	04:31:33.466	432JE6C	6RTSL1		R/T Select of DDS and	4O0	4	0	3,501,766:00:0
20	96	182	04:32:00.133	488AA6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,501,766:40:0
21	96	182	04:34:33.466	488AA6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,501,768:88:0
22	96	182	04:36:00.133	418PA6B	6BUFHI	7	MUB Buffer high water	4O0	4	0	3,501,770:36:0
23	96	182	04:36:00.133	418PA6A	6BUFLO	2	MUB Buffer low water m	4O0	4	0	3,501,770:36:0
24	96	182	05:26:21.466	488AA6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,501,820:18:0
25	96	182	07:06:43.466	488AA6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,501,919:42:0
26	96	182	07:35:00.133	41SB99A	**POWER**	**PWR MODE change**	**Change to Maneuver Mode**	4O0	4	0	3,501,947:39:0
27	**96**	**182**	**07:35:04.133**	**41SB3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,501,947:45:0**
28	**96**	**182**	**07:35:14.133**	**41SB3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,501,947:60:0**
29	**96**	**182**	**07:37:24.133**	**41SB3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,501,949:73:0**
30	**96**	**182**	**07:37:34.133**	**41SB3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,501,949:88:0**
31	**96**	**182**	**07:37:44.133**	**41SB3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,501,950:12:0**
32	**96**	**182**	**07:37:54.133**	**41SB3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,501,950:27:0**
33	96	182	07:38:00.133	488AB6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	3,501,950:36:0
34	**96**	**182**	**07:41:37.466**	**432JF6B**	**6RTDS2**	**NIMNCG,AACDSL,RT**	**AACS DESELECT**	**4O0**	**4**	**0**	**3,501,953:89:0**
35	96	182	07:42:59.466	488AB6B	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,501,955:30:0
36	96	182	07:59:00.133	474AA416A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4O0	4	0	3,501,971:15:0
37	96	182	08:01:00.133	474AA416A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	3,501,973:13:0
38	96	182	08:05:14.133	474AA416A4E	7BURN	Z,217.1887,36.09	ALERT -- Thruster fire	4O0	4	0	3,501,977:30:0
39	96	182	09:01:20.133	474AA416A4I	7BURN	Z,217.1887,36.09	ALERT -- Thruster fire	4O0	4	0	3,502,032:74:0
40	96	182	10:18:26.133	474AA416A4O	7BURN	Z,217.1887,36.09	ALERT -- Thruster fire	4O0	4	0	3,502,109:06:0
41	96	182	22:45:00.066	41SA99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	4O0	4	0	3,502,847:39:0
42	**96**	**182**	**22:45:04.066**	**41SA3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,847:45:0**
43	**96**	**182**	**22:45:14.066**	**41SA3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,847:60:0**
44	**96**	**182**	**22:45:24.066**	**41SA3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,847:75:0**
45	96	182	22:45:30.066	488AC6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,502,847:84:0
46	**96**	**182**	**22:45:34.066**	**41SA3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,847:90:0**
47	**96**	**182**	**22:45:44.066**	**41SA3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,502,848:14:0**
48	**96**	**182**	**22:45:54.066**	**41SA3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,502,848:29:0**
49	96	182	22:46:34.733	432JG431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	3,502,848:90:0
50	96	182	22:46:35.400	432JG6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,502,849:00:0
51	**96**	**182**	**22:46:35.400**	**432JG6B**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**4O0**	**4**	**0**	**3,502,849:00:0**
52	96	182	22:51:47.400	488AC6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,502,854:13:0
53	96	182	23:23:47.400	488AC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,502,885:72:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	96	182	23:47:19.400	41TA99A	**POWER**	**PWR MODE change**	**Change to Calib/Decon Mode**	4O0	4	0	3,502,909:06:0	
55	**96**	**182**	**23:47:23.400**	**41TA3G**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,909:12:0**	
56	**96**	**182**	**23:47:33.400**	**41TA3H**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,909:27:0**	
57	**96**	**182**	**23:47:43.400**	**41TA3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,909:42:0**	
58	**96**	**182**	**23:47:53.400**	**41TA3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,909:57:0**	
59	**96**	**182**	**23:48:03.400**	**41TA3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,502,909:72:0**	
60	**96**	**182**	**23:48:13.400**	**41TA3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,502,909:87:0**	
61	96	182	23:59:13.400	175ZQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,502,920:76:0	
62	96	182	23:59:13.400		DMS:	: *US-RUNUP	R7, TRACK 4, REV, TIC 509.00 +/-	4O0	4	0	3,502,920:76:0	
63	96	182	23:59:22.733	175ZQ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	3,502,920:90:0	
64	96	182	23:59:22.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 510.28 +/-	4O0	4	0	3,502,920:90:3	
65	96	183	00:04:30.066	175ZQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,502,926:05:0	
66	96	183	00:04:30.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 438.29 +/-	4O0	4	0	3,502,926:05:0	
67	96	183	00:07:32.733	41TB99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	4O0	4	0	3,502,929:06:0	
68	**96**	**183**	**00:07:36.733**	**41TB3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,929:12:0**	
69	**96**	**183**	**00:07:46.733**	**41TB3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,929:27:0**	
70	**96**	**183**	**00:07:56.733**	**41TB3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,929:42:0**	
71	**96**	**183**	**00:08:06.733**	**41TB3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,929:57:0**	
72	**96**	**183**	**00:08:16.733**	**41TB3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,502,929:72:0**	
73	**96**	**183**	**00:08:26.733**	**41TB3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,502,929:87:0**	
74	96	183	00:35:00.066	41SC99A	**POWER**	**PWR MODE change**	**Change to Maneuver Mode**	4O0	4	0	3,502,956:20:0	
75	**96**	**183**	**00:35:04.066**	**41SC3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,956:26:0**	
76	**96**	**183**	**00:35:14.066**	**41SC3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,502,956:41:0**	
77	96	183	00:37:00.066	488AC6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	3,502,958:18:0	
78	**96**	**183**	**00:37:24.066**	**41SC3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,502,958:54:0**	
79	**96**	**183**	**00:37:34.066**	**41SC3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,502,958:69:0**	
80	**96**	**183**	**00:37:44.066**	**41SC3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,502,958:84:0**	
81	**96**	**183**	**00:37:54.066**	**41SC3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,502,959:08:0**	
82	96	183	00:50:02.066	490UA412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4O0	4	0	3,502,971:08:0	
83	96	183	00:53:23.400	488AC6E	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	3,502,974:37:0	
84	96	183	00:55:00.066	490UA412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	3,502,976:00:0	
85	96	183	00:59:10.066	490UA412A4E	7VECT		Inert vect update UTC	4O0	4	0	3,502,980:11:0	
86	96	183	00:59:14.066	490UA412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	3,502,980:17:0	
87	96	183	01:03:02.066	490UA412A406A4A	7STAR	1,3000,95.710999	Star catalog update	4O0	4	0	3,502,983:86:0	
88	96	183	01:03:04.066	490UA412A406A4B	7STAR	2,131,322.01	Star catalog update	4O0	4	0	3,502,983:89:0	
89	96	183	01:03:06.066	490UA412A406A4C	7STAR	3,396,206.39	Star catalog update	4O0	4	0	3,502,984:01:0	
90	96	183	01:03:08.066	490UA412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	3,502,984:04:0	
91	96	183	01:03:10.066	490UA412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	3,502,984:07:0	
92	96	183	01:03:12.066	490UA412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	3,502,984:10:0	
93	96	183	02:11:12.733	490UA412A4L	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	3,503,051:34:0	
94	96	183	02:48:35.400	488AD6A	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	3,503,088:31:0	
95	96	183	03:05:00.066	41SM99A	**POWER**	**PWR MODE change**	**Change to Playback Mode**	4O0	4	0	3,503,104:52:0	
96	**96**	**183**	**03:05:04.066**	**41SM3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,503,104:58:0**	
97	**96**	**183**	**03:05:14.066**	**41SM3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,503,104:73:0**	
98	**96**	**183**	**03:05:24.066**	**41SM3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,503,104:88:0**	
99	**96**	**183**	**03:05:34.066**	**41SM3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,503,105:12:0**	
100	**96**	**183**	**03:07:44.066**	**41SM3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,503,107:25:0**	
101	**96**	**183**	**03:07:54.066**	**41SM3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,503,107:40:0**	
102	96	183	03:08:22.733	488AD6B	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	4O0	4	0	3,503,107:83:0	
103	96	183	03:14:00.066	488AD6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,503,113:43:0	
104	96	183	03:14:59.400	432OH431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,503,114:41:0	
105	96	183	03:15:00.066	432OH6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,503,114:42:0	
106	96	183	03:19:35.400	465SA6A	6DMSC	RDY,2	DMS Control Tape stop	4O0	4	0	3,503,119:00:0	
107	96	183	03:20:29.400	465SB6A	6DTRN	CMD,6DTRN,465SB6	DMS TRACK TURNAROUND	4O0	4	0	3,503,119:81:0	
108	96	183	04:05:40.733	488AD6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,503,164:53:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	96	183	04:22:04.066	20UJ4A	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,503,180:72:0	
110	96	183	04:23:17.400	176SA6A	6TMREC	**IPB**	**INITIATE PLAYBACK (PB CONTROL) Record Mod**	4O0	4	0	3,503,182:00:0	
111	96	183	04:41:39.400	488AD6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,503,200:15:0	
112	96	183	04:44:35.400	488AE6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,503,203:06:0	
113	96	183	05:21:23.400	488AE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,503,239:42:0	
114	96	183	08:27:47.400	488AE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,503,423:74:0	
115	96	183	12:21:40.066	488AF6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,503,655:11:0	
116	96	183	12:48:58.733	488AF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,503,682:12:0	
117	96	183	19:22:43.400	488AG6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,504,071:50:0	
118	96	183	19:40:18.733	488AG6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,504,088:86:0	
119	96	183	19:54:43.400	488AG6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,504,103:18:0	
120	96	183	20:26:42.066	488AG6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,504,134:75:0	
121	96	183	21:11:31.400	488AG6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,504,179:14:0	
122	96	183	23:10:59.400	488AH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,504,297:28:0	
123	96	184	00:53:23.333	488AH6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,504,398:53:0	
124	96	184	02:29:35.333	488AH6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,504,493:66:0	
125	96	184	03:56:39.333	488AH6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,504,579:76:0	
126	96	184	04:41:39.333	488AH6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,504,624:31:0	
127	96	184	11:19:41.333	176LB6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,505,018:00:0	
128	**96**	**184**	**11:21:46.600**	**G1NNSHDOFF01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
129	96	184	11:22:50.000	20EA4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	3,505,021:10:0	
130	96	184	11:26:54.000	20UG4A	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,505,025:12:0	
131	96	184	11:28:47.333	176LC6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,505,027:00:0	
132	**96**	**184**	**11:30:52.666**	**20DA3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,505,029:06:0**	
133	**96**	**184**	**11:30:56.666**	**20DA3B**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,505,029:12:0**	
134	**96**	**184**	**11:31:02.666**	**20DA3C**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,505,029:21:0**	
135	**96**	**184**	**11:31:06.666**	**20DA3D**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,505,029:27:0**	
136	**96**	**184**	**11:31:12.666**	**20DA3E**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,505,029:36:0**	
137	**96**	**184**	**11:31:16.666**	**20DA3F**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,505,029:42:0**	
138	96	184	11:41:55.333	488AI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,505,039:90:0	
139	96	184	16:08:35.333	488AI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,505,303:66:0	
140	96	184	16:47:17.333	176TH6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,505,342:00:0	
141	96	184	16:49:00.000	41SD99A	**POWER**	**PWR MODE change**	**Change to Maneuver Mode**	4O0	4	0	3,505,343:63:0	
142	**96**	**184**	**16:49:04.000**	**41SD3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,505,343:69:0**	
143	**96**	**184**	**16:49:14.000**	**41SD3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,505,343:84:0**	
144	**96**	**184**	**16:51:24.000**	**41SD3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,505,346:06:0**	
145	**96**	**184**	**16:51:34.000**	**41SD3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,505,346:21:0**	
146	**96**	**184**	**16:51:44.000**	**41SD3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,505,346:36:0**	
147	**96**	**184**	**16:51:54.000**	**41SD3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,505,346:51:0**	
148	96	184	16:52:00.000	488AI6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	3,505,346:60:0	
149	96	184	17:01:00.000	20UB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,505,355:51:0	
150	96	184	17:02:00.000	20UB4D	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	4O0	4	0	3,505,356:50:0	
151	96	184	17:04:00.000	20UB4E	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	3,505,358:48:0	
152	96	184	17:09:30.000	20UB4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	3,505,363:88:0	
153	96	184	17:09:30.666	20UB4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	3,505,363:89:0	
154	96	184	17:09:50.666	20UB4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	3,505,364:28:0	
155	96	184	17:09:51.333	20UB4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	3,505,364:29:0	
156	96	184	17:10:11.333	20UB4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	3,505,364:59:0	
157	96	184	17:10:12.000	20UB4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	3,505,364:60:0	
158	96	184	17:10:22.000	20UB4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	3,505,364:75:0	
159	96	184	17:10:22.666	20UB4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	3,505,364:76:0	
160	96	184	17:10:32.666	20UB4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	3,505,365:00:0	
161	96	184	17:10:33.333	20UB4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	3,505,365:01:0	
162	96	184	17:12:20.000	20UB4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	3,505,366:70:0	
163	96	184	17:12:20.666	20UB4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	3,505,366:71:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	96	184	17:12:40.666	20UB4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	3,505,367:10:0	
165	96	184	17:12:41.333	20UB4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	3,505,367:11:0	
166	96	184	17:13:01.333	20UB4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	3,505,367:41:0	
167	96	184	17:13:02.000	20UB4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	3,505,367:42:0	
168	96	184	17:13:12.000	20UB4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	3,505,367:57:0	
169	96	184	17:13:12.666	20UB4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	3,505,367:58:0	
170	96	184	17:13:22.666	20UB4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	3,505,367:73:0	
171	96	184	17:13:23.333	20UB4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	3,505,367:74:0	
172	96	184	17:14:20.000	20UB4Z	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	3,505,368:68:0	
173	96	184	17:40:00.000	41SN99A	**POWER**	**PWR MODE change**	**Change to Playback Mode**	4O0	4	0	3,505,394:12:0	
174	**96**	**184**	**17:40:04.000**	**41SN3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,505,394:18:0**	
175	**96**	**184**	**17:40:14.000**	**41SN3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,505,394:33:0**	
176	**96**	**184**	**17:40:24.000**	**41SN3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,505,394:48:0**	
177	**96**	**184**	**17:40:34.000**	**41SN3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,505,394:63:0**	
178	96	184	17:40:59.333	432OU431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,505,395:10:0	
179	96	184	17:41:00.000	432OU6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,505,395:11:0	
180	**96**	**184**	**17:42:44.000**	**41SN3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,505,396:76:0**	
181	**96**	**184**	**17:42:54.000**	**41SN3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,505,397:00:0**	
182	**96**	**184**	**17:52:00.000**	**20DC3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,505,406:00:0**	
183	**96**	**184**	**17:52:04.000**	**20DC3B**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,505,406:06:0**	
184	**96**	**184**	**17:52:10.000**	**20DC3C**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,505,406:15:0**	
185	**96**	**184**	**17:52:14.000**	**20DC3D**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,505,406:21:0**	
186	**96**	**184**	**17:52:20.000**	**20DC3E**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,505,406:30:0**	
187	**96**	**184**	**17:52:24.000**	**20DC3F**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,505,406:36:0**	
188	96	184	17:54:04.000	20UR4A	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,505,408:04:0	
189	96	184	17:56:02.666	176TI6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,505,410:00:0	
190	96	184	19:00:00.000	488AJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,505,473:23:0	
191	96	184	19:00:40.000	488AJ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,505,473:83:0	
192	96	184	19:07:47.333	488AJ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,505,480:87:0	
193	96	184	20:35:38.666	488AJ6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,505,567:77:0	
194	96	184	20:56:35.333	488AJ6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,505,588:51:0	
195	96	184	22:26:11.333	488AK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,505,677:16:0	
196	96	184	23:45:00.000	418PB6A	6BUFHI	10	MUB Buffer high water	4O0	4	0	3,505,755:11:0	
197	**96**	**184**	**23:59:00.666**	**432JH6B**	**6RTDS2**	**NIMNCG,AACDSL,RT**	**AACS DESELECT**	**4O0**	**4**	**0**	**3,505,768:89:0**	
198	96	185	01:23:15.333	488AK6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,505,852:27:0	
199	96	185	02:48:54.000	176VM6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,505,937:00:0	
200	96	185	02:50:00.000	41SE99A	**POWER**	**PWR MODE change**	**Change to Maneuver Mode**	4O0	4	0	3,505,938:08:0	
201	**96**	**185**	**02:50:04.000**	**41SE3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,505,938:14:0**	
202	**96**	**185**	**02:50:14.000**	**41SE3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,505,938:29:0**	
203	**96**	**185**	**02:52:24.000**	**41SE3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,505,940:42:0**	
204	**96**	**185**	**02:52:34.000**	**41SE3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,505,940:57:0**	
205	**96**	**185**	**02:52:44.000**	**41SE3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,505,940:72:0**	
206	96	185	02:52:51.333	488AK6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,505,940:83:0	
207	**96**	**185**	**02:52:54.000**	**41SE3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,505,940:87:0**	
208	96	185	02:53:00.000	488AK6D	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	3,505,941:05:0	
209	96	185	03:01:20.000	20UF4B	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	3,505,949:27:0	
210	**96**	**185**	**03:07:00.000**	**20UF6A**	**6MROH**	**7,73C0,0,A10**	**read from AACSA7,73C0,0,A10**	**4O0**	**4**	**0**	**3,505,954:82:0**	
211	**96**	**185**	**03:08:20.000**	**20UF6B**	**6MROH**	**7,73C0,0,A10**	**read from AACSA7,73C0,0,A10**	**4O0**	**4**	**0**	**3,505,956:20:0**	
212	96	185	03:08:20.666	488AK6E	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	4O0	4	0	3,505,956:21:0	
213	96	185	03:20:20.000	20UF4D	**7MODE**	**INT**	**AACS INERTIAL MODE**	4O0	4	0	3,505,968:08:0	
214	96	185	03:50:38.666	488AL6A	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	3,505,998:06:0	
215	96	185	04:26:43.333	488AL6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	3,506,033:68:0	
216	96	185	04:34:37.333	488AL6C	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	4O0	4	0	3,506,041:51:0	
217	96	185	05:11:25.266	488AL6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	3,506,077:87:0	
218	96	185	05:12:10.600	31H6A,	6CKSUM	NIMS	NIMS,1000,14B3	4O0	4	0	3,506,078:64:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
219	**96**	**185**	**05:13:20.600**	**31H6B,**	**6MROH**		**12 read from LLM1A12,2282,1,A1**	**4O0**	**4**	**0**	**3,506,079:78:0**
220	**96**	**185**	**05:55:59.933**	**20UF6C**	**6MROH**	**7,73C0,0,A10**	**read from AACSA7,73C0,0,A10**	**4O0**	**4**	**0**	**3,506,122:04:0**
221	**96**	**185**	**05:57:19.933**	**20UF6D**	**6MROH**	**7,73C0,0,A10**	**read from AACSA7,73C0,0,A10**	**4O0**	**4**	**0**	**3,506,123:33:0**
222	96	185	05:59:59.933	488AL6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,506,126:00:0
223	96	185	06:26:11.266	488AM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,506,151:82:0
224	96	185	07:13:07.266	488AM6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,506,198:29:0
225	96	185	07:49:23.266	488AM6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,506,234:17:0
226	96	185	08:17:02.600	488AM6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,506,261:49:0
227	96	185	08:21:23.266	488AM6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,506,265:76:0
228	96	185	08:52:59.933	488AN6A	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,506,297:09:0
229	**96**	**185**	**10:08:37.933**	**31BA6B**	**6MROH**		**12 read from LLM1A12,2282,0,A1**	**4O0**	**4**	**0**	**3,506,371:82:0**
230	**96**	**185**	**10:14:37.933**	**31BA6D**	**6MROH**		**12 read from LLM1A12,2282,0,A1**	**4O0**	**4**	**0**	**3,506,377:76:0**
231	**96**	**185**	**10:20:37.933**	**31BA6F**	**6MROH**		**12 read from LLM1A12,2282,0,A1**	**4O0**	**4**	**0**	**3,506,383:70:0**
232	**96**	**185**	**10:27:57.933**	**31BA6H**	**6MROH**		**12 read from LLM1A12,2282,0,A1**	**4O0**	**4**	**0**	**3,506,391:02:0**
233	**96**	**185**	**10:35:39.933**	**31CA6B**	**6MROH**		**12 read from LLM1A12,2282,0,A1**	**4O0**	**4**	**0**	**3,506,398:58:0**
234	**96**	**185**	**10:41:39.933**	**31CA6D**	**6MROH**		**12 read from LLM1A12,2282,0,A1**	**4O0**	**4**	**0**	**3,506,404:52:0**
235	**96**	**185**	**10:47:39.933**	**31CA6F**	**6MROH**		**12 read from LLM1A12,2282,0,A1**	**4O0**	**4**	**0**	**3,506,410:46:0**
236	**96**	**185**	**10:54:39.933**	**31CA6H**	**6MROH**		**12 read from LLM1A12,2282,0,A1**	**4O0**	**4**	**0**	**3,506,417:39:0**
237	96	185	23:59:59.933	444UA443A4A	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	3,507,194:12:0
238	96	186	00:00:29.933	488AO6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,507,194:57:0
239	96	186	00:06:27.266	488AO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,507,200:47:0
240	96	186	00:16:06.600	41TC99A	**POWER**	**PWR MODE change**	**Change to Calib/Decon Mode**	4O0	4	0	3,507,210:06:0
241	**96**	**186**	**00:16:06.600**	**G1NNSHDOFF01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**
242	**96**	**186**	**00:16:06.600**	**G1NNRCTRLT01-**		**-----START------**		**4O0**	**4**	**0**	**: :**
243	**96**	**186**	**00:16:10.600**	**41TC3G**	**37F2PR**		**1 Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,507,210:12:0**
244	**96**	**186**	**00:16:20.600**	**41TC3H**	**37F2PR**		**2 Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,507,210:27:0**
245	**96**	**186**	**00:16:30.600**	**41TC3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,507,210:42:0**
246	**96**	**186**	**00:16:40.600**	**41TC3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,507,210:57:0**
247	**96**	**186**	**00:16:50.600**	**41TC3K**	**40T2R**		**1 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,507,210:72:0**
248	**96**	**186**	**00:17:00.600**	**41TC3L**	**40T2R**		**2 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,507,210:87:0**
249	**96**	**186**	**00:26:09.266**	**185XE10A3A**	**40HRP**		**1 RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,507,220:00:0**
250	96	186	00:27:03.933	20VE4A	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,507,220:82:0
251	96	186	00:29:11.266	176VN6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,507,223:00:0
252	96	186	01:53:07.266	488AO6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,507,306:01:0
253	96	186	02:44:33.266	488AO6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,507,356:80:0
254	96	186	04:01:37.266	488AO6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,507,433:09:0
255	96	186	04:29:38.600	488AP6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,507,460:74:0
256	96	186	05:06:26.600	488AP6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,507,497:19:0
257	96	186	05:11:31.266	488AP6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,507,502:21:0
258	96	186	09:25:23.266	488AP6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,507,753:28:0
259	96	186	11:35:25.866	125XE	NIMSINIT	GS	##### GROUP START INIT	4O0	4	0	3,507,881:84:0
260	**96**	**186**	**11:35:25.866**	**125XE4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,507,881:84:0**
261	**96**	**186**	**11:36:26.533**	**125XE4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**4R0**	**4**	**0**	**3,507,882:84:0**
262	**96**	**186**	**11:37:27.200**	**125XE4C**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**3,507,883:84:0**
263	**96**	**186**	**11:38:27.866**	**125XE4D**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,507,884:84:0**
264	96	186	11:38:27.866	125XE11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	3,507,884:84:0
265	**96**	**186**	**11:43:31.200**	**127XE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**3,507,889:84:0**
266	96	186	11:43:31.200	127XE	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	3,507,889:84:0
267	**96**	**186**	**11:43:31.866**	**127XE4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**3,507,889:85:0**
268	96	186	11:43:39.866	127XE11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	3,507,890:06:0
269	96	186	12:09:29.200	488AQ6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1R3	4	0	3,507,915:55:0
270	96	186	12:27:04.533	176XE6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1R3	4	0	3,507,933:00:0
271	96	186	12:27:41.866	488AQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1R3	4	0	3,507,933:56:0
272	96	186	12:32:07.866	192XE4A	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	3,507,938:00:0
273	**96**	**186**	**12:34:29.200**	**432XE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,507,940:30:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
274	**96**	**186**	**12:35:28.533**	**432XF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,507,941:28:0**
275	96	186	12:38:11.866	192XE4B	**7CONE**	**17.0,0.0**	**Check S/P Position**	1R3	4	0	3,507,944:00:0
276	**96**	**186**	**12:40:33.200**	**432XU6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,507,946:30:0**
277	**96**	**186**	**12:42:33.200**	**432XV6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,507,948:28:0**
278	96	186	12:44:15.866	192XE4C	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	3,507,950:00:0
279	**96**	**186**	**12:46:37.200**	**432XW6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,507,952:30:0**
280	**96**	**186**	**12:47:36.533**	**432XY6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,507,953:28:0**
281	**96**	**186**	**12:49:14.533**	**127XF4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**3,507,954:84:0**
282	96	186	12:49:14.533	127XF	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	3,507,954:84:0
283	**96**	**186**	**12:49:15.200**	**127XF4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**1R0**	**4**	**0**	**3,507,954:85:0**
284	**96**	**186**	**12:49:19.200**	**185XE10B3A**	**40HRPR**	**1**	**RCT Heater OFF (primary relay)**	**1R0**	**4**	**0**	**3,507,955:00:0**
285	96	186	12:49:23.200	127XF11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R0	4	0	3,507,955:06:0
286	96	186	12:50:19.866	192XE4D	**7CONE**	**17.0,153.0**	**Check S/P Position**	1R0	4	0	3,507,956:00:0
287	**96**	**186**	**12:51:15.866**	**125XF4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,507,956:84:0**
288	96	186	12:51:15.866	125XF	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	3,507,956:84:0
289	**96**	**186**	**12:52:16.533**	**125XF4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**3,507,957:84:0**
290	96	186	12:53:17.200	125XF11A	NIMSINIT	GE	##### GROUP END INIT	160	4	0	3,507,958:84:0
291	**96**	**186**	**12:53:17.200**	**125XF4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**3,507,958:84:0**
292	96	186	12:54:26.533	41TD99A	**POWER**	**PWR MODE change**	**Change to Playback Mode**	1O0	4	0	3,507,960:06:0
293	**96**	**186**	**12:54:30.533**	**41TD3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,507,960:12:0**
294	**96**	**186**	**12:54:40.533**	**41TD3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,507,960:27:0**
295	**96**	**186**	**12:54:50.533**	**41TD3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,507,960:42:0**
296	**96**	**186**	**12:55:00.533**	**41TD3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,507,960:57:0**
297	**96**	**186**	**12:57:10.533**	**41TD3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,507,962:70:0**
298	**96**	**186**	**12:57:20.533**	**41TD3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,507,962:85:0**
299	96	186	13:12:01.866	20UI4A	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,507,977:42:0
300	96	186	13:13:35.200	176XF6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,507,979:00:0
301	**96**	**186**	**13:14:39.932**	**G1NNRCTRLT01-**		**-----STOP-------**		**1O0**	**4**	**0**	**: :**
302	96	186	18:08:03.200	488AQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,508,270:21:0
303	96	186	19:31:56.533	488AR6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,508,353:18:0
304	96	186	19:37:39.200	488AR6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,508,358:77:0
305	96	186	20:16:39.200	488AR6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,508,397:38:0
306	96	186	21:26:27.200	488AR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,508,466:41:0
307	96	187	00:30:01.200	488AR6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,508,648:00:0
308	96	187	01:22:21.200	488AS6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,508,699:69:0
309	96	187	02:08:03.200	488AS6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,508,744:87:0
310	96	187	02:42:41.200	488AS6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,508,779:19:0
311	96	187	02:52:51.200	488AS6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,508,789:24:0
312	96	187	03:58:59.200	488AS6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,508,854:61:0
313	96	187	08:55:31.200	488AT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,509,147:86:0
314	96	187	16:57:52.466	176VG6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,509,625:00:0
315	96	187	16:59:59.800	481UA4A	7VECT		Inert vect update UTC	1O0	4	0	3,509,627:09:0
316	96	187	17:02:03.800	20VC4A	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,509,629:13:0
317	96	187	17:03:56.466	176VH6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,509,631:00:0
318	96	187	18:22:59.133	488AU6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,509,709:16:0
319	96	187	18:33:18.466	488AU6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,509,719:35:0
320	96	187	20:20:37.133	488AU6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,509,825:47:0
321	96	187	20:56:35.133	488AU6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,509,861:08:0
322	96	187	21:14:39.800	488AU6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,509,878:88:0
323	96	187	21:51:27.800	488AV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,509,915:33:0
324	96	187	22:26:11.133	488AV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,509,949:64:0
325	96	188	00:53:23.133	488AV6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,510,095:26:0
326	96	188	02:22:59.133	488AV6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,510,183:82:0
327	96	188	03:26:59.133	488AV6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,510,247:18:0
328	96	188	03:58:59.133	488AW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,510,278:77:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	96	188	04:06:45.133	488AW6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,510,286	48:0
330	96	188	04:34:03.800	488AW6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,510,313	49:0
331	96	188	06:53:55.133	488AW6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,510,451	78:0
332	96	188	07:28:03.133	488AW6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,510,485	56:0
333	96	188	08:25:39.133	488AX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,510,542	53:0
334	96	188	10:54:59.133	488AX6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,510,690	25:0
335	96	188	16:08:35.133	488AY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,511,000	39:0
336	96	188	18:22:59.133	488AY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,511,133	32:0
337	96	188	19:20:35.800	488AY6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,511,190	30:0
338	96	188	19:22:43.133	488AY6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,511,192	39:0
339	96	188	20:05:35.733	488AY6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,511,234	76:0
340	96	188	20:26:43.066	488AZ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,511,255	66:0
341	96	188	20:58:43.066	488AZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,511,287	34:0
342	96	189	02:22:59.066	488AZ6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,511,608	07:0
343	96	189	03:09:55.066	488BA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,511,654	45:0
344	96	189	03:41:55.066	488BA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,511,686	13:0
345	96	189	06:26:11.066	488BA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,511,848	55:0
346	96	189	07:08:51.066	488BA6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,511,890	73:0
347	96	189	08:10:43.066	488BA6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,511,951	90:0
348	96	189	10:10:11.066	488BB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,512,070	13:0
349	96	189	16:38:27.066	488BC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,512,454	13:0
350	96	189	18:37:55.066	488BC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,512,572	27:0
351	96	189	19:16:59.066	488BC6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,512,610	85:0
352	96	189	19:22:43.066	488BC6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,512,616	55:0
353	96	189	20:01:36.400	488BC6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,512,655	06:0
354	96	189	20:43:47.066	488BD6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,512,696	71:0
355	96	189	21:04:41.733	488BD6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,512,717	42:0
356	96	189	21:41:23.066	488BD6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,512,753	68:0
357	96	189	21:41:29.733	488BD6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,512,753	78:0
358	96	190	01:23:15.000	488BD6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,512,973	16:0
359	96	190	02:22:59.000	488BE6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,513,032	23:0
360	96	190	02:59:15.000	488BE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,513,068	11:0
361	96	190	03:31:15.000	488BE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,513,099	70:0
362	96	190	03:56:47.000	488BE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,513,125	02:0
363	96	190	04:24:05.666	488BE6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,513,152	03:0
364	96	190	05:56:19.000	488BF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,513,243	22:0
365	96	190	06:53:55.000	488BF6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,513,300	19:0
366	96	190	07:28:03.000	488BF6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,513,333	88:0
367	96	190	07:44:15.666	176VK6A	6TMREC	TPB	TERMINATE PLAYBACK (PB CONTROL) Record Mo	1O0	4	0	3,513,350	00:0
368	96	190	07:59:25.666	465SC6A	6DMSC	RDY,2	DMS Control Tape stop	1O0	4	0	3,513,365	00:0
369	96	190	08:00:03.000	488BF6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,513,365	56:0
370	96	190	08:00:19.666	465SD6A	6DTRN	CMD,6DTRN,465SD6	DMS TRACK TURNAROUND	1O0	4	0	3,513,365	81:0
371	96	190	08:06:47.000	488BF6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,513,372	25:0
372	96	190	08:36:45.666	488BG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,513,401	84:0
373	96	190	18:37:55.000	488BH6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,513,996	43:0
374	96	190	19:08:15.666	488BH6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,514,026	44:0
375	96	190	20:05:33.666	488BH6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,514,083	14:0
376	96	190	20:23:23.666	488BH6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,514,100	72:0
377	96	190	20:26:43.000	488BH6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,514,104	07:0
378	96	190	20:58:50.333	488BI6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,514,135	77:0
379	96	190	20:59:42.333	488BI6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,514,136	64:0
380	96	190	21:28:35.000	488BI6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,514,165	24:0
381	96	190	21:34:57.666	488BI6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,514,171	52:0
382	96	191	00:58:04.333	20VG4A	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,514,372	41:0
383	96	191	00:59:38.333	176VL6A	6TMREC	**IPB**	**INITIATE PLAYBACK (PB CONTROL) Record Mod**	1O0	4	0	3,514,374	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	96	191	01:23:15.000	488BI6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,514,397	32:0
385	96	191	02:22:59.000	488BJ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,514,456	39:0
386	96	191	02:38:13.666	488BJ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,514,471	46:0
387	96	191	03:05:33.000	488BJ6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,514,498	48:0
388	96	191	03:26:59.000	488BJ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,514,519	66:0
389	96	191	03:51:48.333	488BJ6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,514,544	25:0
390	96	191	04:00:01.000	488BK6A	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,514,552	36:0
391	96	191	04:19:06.333	488BK6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,514,571	25:0
392	96	191	04:52:21.000	488BK6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,514,604	14:0
393	96	191	05:41:22.933	488BK6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	3,514,652	59:0
394	96	191	06:12:40.933	488BK6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,514,683	55:0
395	96	191	08:08:34.933	488BL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,514,798	21:0
396	96	191	10:03:46.933	488BL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,514,912	15:0
397	96	191	16:53:22.933	488BM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,515,317	24:0
398	96	191	18:22:58.933	488BM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,515,405	80:0
399	96	191	19:10:56.266	488BM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,515,453	28:0
400	96	191	19:18:26.933	488BM6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,515,460	67:0
401	96	191	20:05:32.933	488BM6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,515,507	29:0
402	96	191	20:26:42.933	488BN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,515,528	23:0
403	96	191	20:59:43.600	488BN6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,515,560	82:0
404	96	191	21:28:34.933	488BN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,515,589	40:0
405	96	191	21:34:58.266	488BN6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,515,595	69:0
406	96	192	01:23:14.933	488BN6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,515,821	48:0
407	96	192	02:14:27.600	488BO6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,515,872	16:0
408	96	192	03:16:31.600	488BO6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,515,933	51:0
409	96	192	03:41:54.933	488BO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,515,958	61:0
410	96	192	03:46:48.933	488BO6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,515,963	47:0
411	96	192	04:36:47.600	488BO6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,516,012	86:0
412	96	192	07:16:32.933	488BP6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,516,170	86:0
413	96	192	08:02:12.266	488BP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,516,216	09:0
414	96	192	08:08:34.933	488BP6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,516,222	37:0
415	96	192	09:25:22.933	488BP6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,516,298	33:0
416	96	192	10:35:58.933	488BP6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,516,368	17:0
417	96	192	10:49:37.533	488BQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,516,381	62:0
418	96	192	16:53:22.866	488BR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,516,741	40:0
419	96	192	18:22:58.866	488BR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,516,830	05:0
420	96	192	19:00:35.533	488BR6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,516,867	23:0
421	96	192	19:07:46.866	488BR6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,516,874	33:0
422	96	192	19:45:30.866	488BR6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,516,911	62:0
423	96	192	20:28:50.866	488BS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,516,954	49:0
424	96	193	02:08:02.866	488BS6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,517,290	01:0
425	96	193	02:54:58.866	488BT6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,517,336	39:0
426	96	193	03:26:58.866	488BT6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,517,368	07:0
427	96	193	05:26:26.866	488BT6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,517,486	21:0
428	96	193	06:38:58.866	488BT6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,517,557	88:0
429	96	193	07:13:06.866	488BT6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,517,591	66:0
430	96	193	07:45:06.866	488BU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,517,623	34:0
431	96	193	09:25:22.866	488BU6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,517,722	49:0
432	96	193	16:38:26.800	488BV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,518,150	77:0
433	96	193	18:22:58.800	488BV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,518,254	21:0
434	96	193	19:00:34.800	488BV6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,518,291	38:0
435	96	193	19:07:46.800	488BV6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,518,298	49:0
436	96	193	19:35:30.133	488BV6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,518,325	87:0
437	96	193	19:56:50.800	488BW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,518,347	06:0
438	96	193	20:28:50.800	488BW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,518,378	65:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	96	194	02:08:02.800	488BX6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,518,714:17:0	
440	96	194	02:29:25.466	488BX6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,518,735:30:0	
441	96	194	03:16:29.466	488BX6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,518,781:80:0	
442	96	194	03:41:54.800	488BX6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,518,807:02:0	
443	96	194	03:56:51.466	488BX6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,518,821:73:0	
444	96	194	04:26:49.466	488BY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,518,851:40:0	
445	96	194	06:32:34.800	488BY6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,518,975:74:0	
446	96	194	07:15:14.800	488BY6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,519,018:01:0	
447	96	194	07:47:14.800	488BY6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,519,049:60:0	
448	96	194	07:59:37.466	488BY6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,519,061:82:0	
449	96	194	08:17:49.466	488BZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,519,079:82:0	
450	96	194	09:25:22.800	488BZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,519,146:65:0	
451	96	194	16:38:26.800	488CA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,519,575:02:0	
452	96	194	18:08:02.800	488CA6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,519,663:58:0	
453	96	194	18:13:10.133	488CA6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,519,668:64:0	
454	96	194	19:30:28.800	488CA6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,519,745:15:0	
455	96	194	20:13:54.800	488CA6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,519,788:11:0	
456	96	195	02:08:02.733	488CB6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,520,138:33:0	
457	96	195	03:12:02.733	488CB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,520,201:60:0	
458	96	195	05:26:26.733	488CB6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,520,334:53:0	
459	96	195	06:24:02.733	488CB6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,520,391:50:0	
460	96	195	06:58:10.733	488CB6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,520,425:28:0	
461	96	195	07:40:50.733	488CC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,520,467:46:0	
462	96	195	08:00:00.733	488CC6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	3,520,486:42:0	
463	96	195	08:52:20.733	488CC6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	3,520,538:20:0	
464	96	195	09:10:26.733	488CC6D	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	1O0	4	0	3,520,556:11:0	
465	96	195	10:12:40.733	488CC6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,520,617:61:0	
466	96	195	16:38:26.733	488CD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,520,999:18:0	
467	96	195	18:08:02.733	488CD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,521,087:74:0	
468	96	195	18:53:11.400	488CD6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,521,132:42:0	
469	96	195	18:59:14.733	488CD6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,521,138:41:0	
470	96	195	19:36:29.400	488CD6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,521,175:26:0	
471	96	195	20:39:30.733	488CE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,521,237:56:0	
472	96	196	01:53:06.666	488CE6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,521,547:70:0	
473	96	196	02:40:02.666	488CF6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,521,594:17:0	
474	96	196	03:12:02.666	488CF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,521,625:76:0	
475	96	196	05:11:30.666	488CF6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,521,743:90:0	
476	96	196	06:17:38.666	488CF6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,521,809:36:0	
477	96	196	06:53:54.666	488CF6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,521,845:24:0	
478	96	196	07:40:50.666	488CG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,521,891:62:0	
479	96	196	09:10:26.666	488CG6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,521,980:27:0	
480	96	196	16:23:30.666	488CH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,522,408:55:0	
481	96	196	18:08:02.666	488CH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,522,511:90:0	
482	96	196	18:47:03.333	488CH6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,522,550:52:0	
483	96	196	18:52:50.666	488CH6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,522,556:27:0	
484	96	196	19:31:27.333	488CH6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,522,594:44:0	
485	96	196	20:33:06.666	488CI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,522,655:42:0	
486	96	197	01:53:06.666	488CI6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,522,971:86:0	
487	96	197	02:40:02.666	488CJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,523,018:33:0	
488	96	197	03:12:02.666	488CJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,523,050:01:0	
489	96	197	05:11:30.666	488CJ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,523,168:15:0	
490	96	197	09:10:26.600	488CK6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,523,404:43:0	
491	96	197	16:23:30.600	488CL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,523,832:71:0	
492	96	197	17:53:06.600	488CL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,523,921:36:0	
493	96	197	18:46:03.266	488CL6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,523,973:69:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	96	197	18:52:50.600	488CL6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,523,980	43:0
495	96	197	19:26:25.933	488CL6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,524,013	63:0
496	96	197	20:09:38.600	488CM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,524,056	39:0
497	96	197	20:34:52.600	488CM6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,524,081	35:0
498	96	197	21:11:30.600	488CM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,524,117	56:0
499	96	197	21:11:40.600	488CM6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,524,117	71:0
500	**96**	**197**	**21:31:35.933**	**31M6B,**	**6MROH**		**12 read from LLM1A12,2282,0,A2**	**1O0**	**4**	**0**	**3,524,137**	**44:0**
501	96	198	00:53:22.600	488CM6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,524,337	04:0
502	96	198	01:44:19.266	488CN6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,524,387	39:0
503	96	198	01:55:14.600	488CN6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,524,398	21:0
504	96	198	02:50:03.266	488CN6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,524,452	40:0
505	96	198	03:21:57.266	488CN6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,524,483	90:0
506	96	198	03:49:15.933	488CN6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,524,511	00:0
507	96	198	05:11:30.600	488CO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,524,592	31:0
508	96	198	06:09:06.600	488CO6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,524,649	28:0
509	96	198	06:43:14.600	488CO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,524,683	06:0
510	96	198	07:25:54.600	488CO6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,524,725	24:0
511	96	198	09:10:26.600	488CO6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,524,828	59:0
512	96	198	16:23:30.533	488CP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,525,256	87:0
513	96	198	17:53:06.533	488CP6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,525,345	52:0
514	96	198	17:53:13.200	488CP6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,525,345	62:0
515	96	198	19:20:22.533	488CP6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,525,431	80:0
516	96	198	19:56:50.533	488CP6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,525,467	86:0
517	96	199	01:35:37.866	488CQ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,525,803	01:0
518	96	199	01:38:10.533	488CQ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,525,805	48:0
519	96	199	02:25:06.533	488CQ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,525,851	86:0
520	96	199	02:57:06.533	488CQ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,525,883	54:0
521	96	199	03:00:31.200	488CQ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,525,886	88:0
522	96	199	05:11:30.533	488CR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,526,016	47:0
523	96	199	08:55:30.533	488CR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,526,238	05:0
524	96	199	16:00:01.200	488CS6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	1O0	4	0	3,526,657	82:0
525	96	199	16:08:34.533	488CS6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	3,526,666	33:0
526	96	199	16:52:21.133	488CS6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	3,526,709	60:0
527	96	199	17:53:06.466	488CS6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,526,769	68:0
528	96	199	18:12:41.133	488CS6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,526,789	10:0
529	96	199	18:32:05.800	488CT6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,526,808	28:0
530	96	199	18:37:54.466	488CT6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,526,814	05:0
531	96	199	19:16:22.466	488CT6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,526,852	09:0
532	96	199	20:22:26.466	488CT6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,526,917	40:0
533	96	199	20:24:55.800	488CT6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,526,919	82:0
534	**96**	**199**	**20:47:50.466**	**31AA5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**1O0**	**4**	**0**	**3,526,942**	**51:0**
535	**96**	**199**	**20:48:51.133**	**31AA5B**	**37MRL**		**Memory Realocate (software operates from R**	**1O0**	**4**	**0**	**3,526,943**	**51:0**
536	**96**	**199**	**20:49:51.800**	**31AA6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**1O0**	**4**	**0**	**3,526,944**	**51:0**
537	**96**	**199**	**20:50:52.466**	**31AA6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**1O0**	**4**	**0**	**3,526,945**	**51:0**
538	96	199	20:52:13.133	31AA6C	6CKSUM	NIMS	NIMS,1000,14B3	1O0	4	0	3,526,946	81:0
539	**96**	**199**	**20:52:33.133**	**31AA6D**	**6MROH**		**12 read from LLM1A12,2282,0,A2**	**1O0**	**4**	**0**	**3,526,947**	**20:0**
540	96	199	20:56:34.466	488CU6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,526,951	18:0
541	96	199	21:00:43.800	488CU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,526,955	28:0
542	**96**	**199**	**21:14:07.800**	**31AA5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,526,968**	**51:0**
543	96	200	00:38:26.466	488CU6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	260	4	0	3,527,170	57:0
544	96	200	01:38:10.466	488CU6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	260	4	0	3,527,229	64:0
545	96	200	02:25:06.466	488CU6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	260	4	0	3,527,276	11:0
546	96	200	02:57:06.466	488CV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	260	4	0	3,527,307	70:0
547	96	200	03:12:00.466	488CV6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	260	4	0	3,527,322	46:0
548	96	200	03:39:18.466	488CV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	260	4	0	3,527,349	46:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	96	200	05:11:30.466	488CV6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	260	4	0	3,527,440:63:0	
550	96	200	06:24:02.466	488CV6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	260	4	0	3,527,512:39:0	
551	96	200	07:25:54.466	488CW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	260	4	0	3,527,573:56:0	
552	96	200	08:55:30.466	488CW6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	260	4	0	3,527,662:21:0	
553	96	200	16:08:34.466	488CX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	260	4	0	3,528,090:49:0	
554	96	200	17:38:10.466	488CX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	260	4	0	3,528,179:14:0	
555	96	200	18:30:54.466	488CX6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	260	4	0	3,528,231:28:0	
556	96	200	18:33:38.466	488CX6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	260	4	0	3,528,234:01:0	
557	96	200	18:55:19.133	488CX6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	260	4	0	3,528,255:41:0	
558	96	200	19:37:38.466	488CY6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	260	4	0	3,528,297:28:0	
559	96	200	20:09:38.466	488CY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	260	4	0	3,528,328:87:0	
560	96	201	01:38:10.400	488CZ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	260	4	0	3,528,653:80:0	
561	96	201	01:57:59.066	488CZ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	260	4	0	3,528,673:43:0	
562	96	201	02:00:32.400	176SC6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	260	4	0	3,528,676:00:0	
563	96	201	02:01:59.733	41SG99A	**POWER**	**PWR MODE change**	**Change to Maneuver Mode**	260	4	0	3,528,677:40:0	
564	**96**	**201**	**02:02:03.733**	**41SG3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**260**	**4**	**0**	**3,528,677:46:0**	
565	**96**	**201**	**02:02:13.733**	**41SG3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**260**	**4**	**0**	**3,528,677:61:0**	
566	**96**	**201**	**02:04:23.733**	**41SG3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**260**	**4**	**0**	**3,528,679:74:0**	
567	**96**	**201**	**02:04:33.733**	**41SG3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**260**	**4**	**0**	**3,528,679:89:0**	
568	**96**	**201**	**02:04:43.733**	**41SG3I**	**40T2**	**1**	**PCT Heater 2 ON**	**260**	**4**	**0**	**3,528,680:13:0**	
569	**96**	**201**	**02:04:53.733**	**41SG3J**	**40T2**	**2**	**PCT Heater 2 ON**	**260**	**4**	**0**	**3,528,680:28:0**	
570	96	201	02:17:59.733	488CZ6C	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	260	4	0	3,528,693:24:0	
571	96	201	02:25:19.066	488CZ6D	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	260	4	0	3,528,700:46:0	
572	96	201	02:27:59.733	20UC4B	7SLEW	DIS,POS,0.0	Stator movement	260	4	0	3,528,703:14:0	
573	96	201	02:28:59.733	20UC4D	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	260	4	0	3,528,704:13:0	
574	96	201	02:30:59.733	20UC4E	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	260	4	0	3,528,706:11:0	
575	96	201	02:36:29.733	20UC4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	260	4	0	3,528,711:51:0	
576	96	201	02:36:30.400	20UC4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	260	4	0	3,528,711:52:0	
577	96	201	02:36:50.400	20UC4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	260	4	0	3,528,711:82:0	
578	96	201	02:36:51.066	20UC4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	260	4	0	3,528,711:83:0	
579	96	201	02:37:11.066	20UC4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	260	4	0	3,528,712:22:0	
580	96	201	02:37:11.733	20UC4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	260	4	0	3,528,712:23:0	
581	96	201	02:37:21.733	20UC4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	260	4	0	3,528,712:38:0	
582	96	201	02:37:22.400	20UC4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	260	4	0	3,528,712:39:0	
583	96	201	02:37:32.400	20UC4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	260	4	0	3,528,712:54:0	
584	96	201	02:37:33.066	20UC4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	260	4	0	3,528,712:55:0	
585	96	201	02:39:19.733	20UC4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	260	4	0	3,528,714:33:0	
586	96	201	02:39:20.400	20UC4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	260	4	0	3,528,714:34:0	
587	96	201	02:39:40.400	20UC4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	260	4	0	3,528,714:64:0	
588	96	201	02:39:41.066	20UC4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	260	4	0	3,528,714:65:0	
589	96	201	02:40:01.066	20UC4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	260	4	0	3,528,715:04:0	
590	96	201	02:40:01.733	20UC4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	260	4	0	3,528,715:05:0	
591	96	201	02:40:11.733	20UC4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	260	4	0	3,528,715:20:0	
592	96	201	02:40:12.400	20UC4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	260	4	0	3,528,715:21:0	
593	96	201	02:40:22.400	20UC4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	260	4	0	3,528,715:36:0	
594	96	201	02:40:23.066	20UC4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	260	4	0	3,528,715:37:0	
595	96	201	02:41:19.733	20UC4Z	**7MODE**	**CRU**	**AACS CRUISE MODE**	260	4	0	3,528,716:31:0	
596	96	201	02:42:10.400	488CZ6E	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	260	4	0	3,528,717:16:0	
597	96	201	03:05:59.733	41SP99A	**POWER**	**PWR MODE change**	**Change to Playback Mode**	260	4	0	3,528,740:67:0	
598	**96**	**201**	**03:06:03.733**	**41SP3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**260**	**4**	**0**	**3,528,740:73:0**	
599	**96**	**201**	**03:06:13.733**	**41SP3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**260**	**4**	**0**	**3,528,740:88:0**	
600	**96**	**201**	**03:06:23.733**	**41SP3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**260**	**4**	**0**	**3,528,741:12:0**	
601	**96**	**201**	**03:06:33.733**	**41SP3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**260**	**4**	**0**	**3,528,741:27:0**	
602	**96**	**201**	**03:08:43.733**	**41SP3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**260**	**4**	**0**	**3,528,743:40:0**	
603	**96**	**201**	**03:08:53.733**	**41SP3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**260**	**4**	**0**	**3,528,743:55:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	96	201	03:14:10.400	488DA6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	260	4	0	3,528,748:75:0	
605	96	201	03:16:03.733	20UL4A	7SLEW	DIS,POS,0.0	Stator movement	260	4	0	3,528,750:63:0	
606	96	201	03:18:23.733	176SD6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	260	4	0	3,528,753:00:0	
607	96	201	03:27:02.400	488DA6B	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	260	4	0	3,528,761:50:0	
608	96	201	03:57:00.400	488DA6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	260	4	0	3,528,791:17:0	
609	96	201	04:25:59.733	488DA6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	260	4	0	3,528,819:78:0	
610	**96**	**201**	**05:12:00.000**	**G1NNOPCAL_01-**		**-----START------**		**260**	**4**	**0**	**: :**	
611	**96**	**201**	**05:12:33.733**	**31P5A**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,528,865:83:0**	
612	**96**	**201**	**05:13:34.400**	**31P4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,528,866:83:0**	
613	**96**	**201**	**05:14:35.066**	**31P4B**	**37IST**	**0,0,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**3,528,867:83:0**	
614	**96**	**201**	**05:15:35.733**	**31P4C**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,528,868:83:0**	
615	**96**	**201**	**05:16:36.400**	**31P4D**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,528,869:83:0**	
616	**96**	**201**	**05:16:37.066**	**31P4E**	**37ETB**	**07,C7,31,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,528,869:84:0**	
617	**96**	**201**	**05:17:37.066**	**31P4F**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**3,528,870:83:0**	
618	**96**	**201**	**05:19:38.400**	**31P4G**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**3,528,872:83:0**	
619	**96**	**201**	**05:22:00.000**	**G1NNOPCAL_01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
620	96	201	05:58:26.400	488DA6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,528,911:26:0	
621	96	201	06:32:34.400	488DB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,528,945:04:0	
622	96	201	07:10:58.400	488DB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,528,983:02:0	
623	96	201	07:24:49.733	488DB6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,528,996:66:0	
624	96	201	07:43:01.733	488DB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,529,014:66:0	
625	96	201	08:55:30.400	488DB6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4R3	4	0	3,529,086:37:0	
626	96	201	15:53:38.400	488DC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,529,499:86:0	
627	96	201	17:38:10.400	488DC6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,529,603:30:0	
628	96	201	17:42:58.400	488DC6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,529,608:07:0	
629	96	201	19:05:17.066	488DC6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,529,689:44:0	
630	96	201	19:41:54.400	488DC6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,529,725:64:0	
631	96	202	01:23:14.400	488DD6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,530,063:26:0	
632	96	202	02:10:10.400	488DD6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,530,109:64:0	
633	96	202	02:42:10.333	488DD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,530,141:32:0	
634	96	202	05:11:30.333	488DD6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,530,289:04:0	
635	96	202	05:54:10.333	488DD6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,530,331:22:0	
636	96	202	06:28:18.333	488DE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,530,365:00:0	
637	96	202	07:10:58.333	488DE6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,530,407:18:0	
638	96	202	08:55:30.333	488DE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4R3	4	0	3,530,510:53:0	
639	96	202	15:53:38.333	488DF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,530,924:11:0	
640	96	202	17:38:10.333	488DF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,531,027:46:0	
641	96	202	18:20:32.333	488DF6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,531,069:37:0	
642	96	202	18:27:14.333	488DF6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,531,076:03:0	
643	96	202	19:01:16.333	488DF6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,531,109:63:0	
644	96	202	20:07:30.333	488DG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,531,175:18:0	
645	96	203	01:23:14.333	488DG6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,531,487:42:0	
646	96	203	02:27:14.333	488DH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,531,550:69:0	
647	96	203	05:11:30.333	488DH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,531,713:20:0	
648	96	203	05:54:10.333	488DH6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,531,755:38:0	
649	96	203	06:28:18.333	488DH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,531,789:16:0	
650	96	203	07:10:58.333	488DH6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,531,831:34:0	
651	96	203	08:55:30.266	488DI6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4R3	4	0	3,531,934:69:0	
652	96	203	15:53:38.266	488DJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,532,348:27:0	
653	96	203	17:38:10.266	488DJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,532,451:62:0	
654	96	203	18:17:06.933	488DJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,532,490:18:0	
655	96	203	18:22:58.266	488DJ6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,532,495:90:0	
656	96	203	19:01:14.266	488DJ6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,532,533:76:0	
657	96	203	20:03:14.266	488DK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,532,595:14:0	
658	96	203	22:30:00.933	488DK6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R3	4	0	3,532,740:29:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	96	203	23:22:20.933	488DK6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R3	4	0	3,532,792:07:0	
660	96	204	00:42:40.933	488DK6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,532,871:48:0	
661	96	204	01:23:14.266	488DK6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,532,911:58:0	
662	96	204	01:44:07.600	488DL6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,532,932:27:0	
663	96	204	02:31:11.600	488DL6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,532,978:77:0	
664	96	204	02:54:58.266	488DL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,533,002:33:0	
665	96	204	03:17:08.933	488DL6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,533,024:27:0	
666	96	204	03:47:07.600	488DL6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,533,053:86:0	
667	96	204	05:52:02.266	488DM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,533,177:44:0	
668	96	204	06:32:34.266	488DM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,533,217:52:0	
669	96	204	07:04:34.266	488DM6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,533,249:20:0	
670	96	204	07:19:55.600	488DM6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,533,264:37:0	
671	96	204	07:38:07.600	488DM6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,533,282:37:0	
672	96	204	08:55:30.266	488DN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4R3	4	0	3,533,358:85:0	
673	96	204	15:38:42.200	488DO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,533,757:64:0	
674	96	204	17:23:14.200	488DO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,533,861:08:0	
675	96	204	18:15:52.200	488DO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,533,913:13:0	
676	96	204	18:18:42.200	488DO6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,533,915:86:0	
677	96	204	18:40:10.866	488DO6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,533,937:17:0	
678	96	204	19:22:42.200	488DP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,533,979:22:0	
679	96	204	19:54:42.200	488DP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,534,010:81:0	
680	96	205	01:08:18.200	488DP6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,534,321:04:0	
681	96	205	02:10:10.200	488DQ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,534,382:21:0	
682	96	205	02:42:10.200	488DQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,534,413:80:0	
683	96	205	05:11:30.200	488DQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,534,561:52:0	
684	96	205	05:43:30.200	488DQ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,534,593:20:0	
685	96	205	06:17:38.200	488DQ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,534,626:89:0	
686	96	205	06:56:02.200	488DR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,534,664:87:0	
687	96	205	08:40:34.200	488DR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4R3	4	0	3,534,768:31:0	
688	96	205	15:38:42.200	488DS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,535,181:80:0	
689	96	205	17:23:14.200	488DS6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,535,285:24:0	
690	96	205	17:27:49.533	488DS6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,535,289:73:0	
691	96	205	18:50:08.133	488DS6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,535,371:19:0	
692	96	205	19:26:58.133	488DS6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,535,407:58:0	
693	96	206	01:08:18.133	488DT6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,535,745:20:0	
694	96	206	01:55:14.133	488DT6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,535,791:58:0	
695	96	206	02:27:14.133	488DT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,535,823:26:0	
696	96	206	05:11:30.133	488DT6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,535,985:68:0	
697	96	206	06:38:58.133	488DT6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,536,072:23:0	
698	96	206	07:10:58.133	488DU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,536,103:82:0	
699	96	206	08:40:34.133	488DU6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4R3	4	0	3,536,192:47:0	
700	96	206	15:23:46.133	488DV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,536,591:26:0	
701	96	206	17:23:14.133	488DV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,536,709:40:0	
702	96	206	18:00:26.133	488DV6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,536,746:21:0	
703	96	206	18:05:54.133	488DV6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,536,751:58:0	
704	96	206	18:46:07.466	488DV6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,536,791:38:0	
705	96	206	19:50:26.133	488DW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,536,855:02:0	
706	96	206	19:55:10.800	488DW6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,536,859:65:0	
707	96	206	20:31:58.800	488DW6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,536,896:10:0	
708	96	206	20:39:30.133	488DW6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,536,903:50:0	
709	96	206	23:53:38.066	488DW6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,537,095:50:0	
710	96	207	00:59:00.733	488DX6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,537,160:19:0	
711	96	207	02:01:04.733	488DX6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,537,221:54:0	
712	96	207	02:12:18.066	488DX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,537,232:63:0	
713	96	207	02:42:16.066	488DX6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,537,262:30:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	96	207	03:09:34.733	488DX6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,537,289:31:0	
715	96	207	05:11:30.066	488DY6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,537,409:84:0	
716	96	207	06:15:30.066	488DY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,537,473:20:0	
717	96	207	06:56:02.066	488DY6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,537,513:28:0	
718	96	207	08:40:34.066	488DY6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4R3	4	0	3,537,616:63:0	
719	96	207	12:48:36.066	176VO6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4R3	4	0	3,537,862:00:0	
720	96	207	12:50:37.400		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 190.06 +/-	4R3	4	0	3,537,864:00:0	
721	96	207	12:50:37.400	465WA6A	6DMST	5000	DMS Slew to TIC	4R3	4	0	3,537,864:00:0	
722	96	207	15:23:46.066	488DZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,538,015:42:0	
723	96	207	17:08:18.066	488DZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,538,118:77:0	
724	96	207	17:57:43.400	488DZ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,538,167:66:0	
725	96	207	18:03:46.066	488DZ6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,538,173:64:0	
726	96	207	18:41:04.066	488DZ6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,538,210:54:0	
727	96	207	18:44:18.733	465WB6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4R3	4	0	3,538,213:73:0	
728	96	207	19:10:10.733	465WB6B	6DMSC	RDY,2	DMS Control Tape stop	4R3	4	0	3,538,239:35:0	
729	96	207	19:24:50.066	488EA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,538,253:80:0	
730	96	207	19:50:13.400	488EA6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,538,278:90:0	
731	96	207	20:00:00.066	488EA6C	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	4R3	4	0	3,538,288:60:0	
732	96	207	20:27:01.400	488EA6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4R3	4	0	3,538,315:35:0	
733	96	207	20:39:30.066	488EA6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R3	4	0	3,538,327:66:0	
734	96	207	21:04:56.733	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	4R3	4	0	3,538,352:81:0	
735	96	207	21:15:58.733	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4R3	4	0	3,538,363:73:0	
736	96	207	21:47:54.733	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	4R3	4	0	3,538,395:35:0	
737	96	207	22:03:30.066	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4R3	4	0	3,538,410:73:0	
738	96	207	22:35:40.733	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4R3	4	0	3,538,442:57:0	
739	96	207	23:07:44.066	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	4R3	4	0	3,538,474:30:0	
740	96	207	23:22:22.066	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4R3	4	0	3,538,488:73:0	
741	96	207	23:38:42.066	488EB6A	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4R3	4	0	3,538,504:87:0	
742	96	207	23:54:32.066	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4R3	4	0	3,538,520:56:0	
743	96	207	23:55:39.400	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	4R3	4	0	3,538,521:66:0	
744	96	208	00:10:05.400	465WI6A	6DMSC	RDY,2	DMS Control Tape stop	4R3	4	0	3,538,536:00:0	
745	96	208	00:10:59.400	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	4R3	4	0	3,538,536:81:0	
746	96	208	00:32:00.066	20WA6B	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	3,538,557:61:0	
747	96	208	00:32:04.066	20WA6C	6DMSC	R7,4	DMS Control Tape runup 7.68kbp	4R3	4	0	3,538,557:67:0	
748	96	208	00:32:24.066	20WA6D	6TMREC	MET	MARKER RECORD - EOT/ Record Mode Change	4R3	4	0	3,538,558:06:0	
749	96	208	00:39:30.733	20WA6E	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	3,538,565:09:0	
750	96	208	00:39:32.066	20WA6F	6TMREC	MBT	MARKER RECORD - BOT/ Record Mode Change	4R3	4	0	3,538,565:11:0	
751	96	208	00:46:41.400	20WA6G	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,538,572:18:0	
752	96	208	00:46:44.733	20WA6H	6DMSC	RDY,1	DMS Control Tape stop	4R3	4	0	3,538,572:23:0	
753	96	208	00:47:43.400	20WA6I	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	4R3	4	0	3,538,573:20:0	
754	96	208	00:49:43.400	20WA6J	6DMSC	RDY,4	DMS Control Tape stop	4R3	4	0	3,538,575:18:0	
755	96	208	00:58:43.400	20WA6K	6DTRN	CMD,6DTRN,20WA6K	DMS TRACK TURNAROUND	4R3	4	0	3,538,584:09:0	
756	96	208	00:58:57.400	488EB6B	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	4R3	4	0	3,538,584:30:0	
757	96	208	01:00:00.066	488EB6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,538,585:33:0	
758	96	208	02:11:01.400	488EB6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,538,655:55:0	
759	96	208	02:35:14.733	488EB6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,538,679:51:0	
760	96	208	03:03:30.066	488EC6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,538,707:46:0	
761	96	208	03:32:17.333	488EC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,538,735:89:0	
762	**96**	**208**	**03:47:00.000**	**G1NNOPCAL_02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
763	**96**	**208**	**03:47:23.733**	**31Q4B**	**37IST**	**0,0,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,538,750:83:0**	
764	**96**	**208**	**03:48:24.400**	**31Q4C**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,538,751:83:0**	
765	**96**	**208**	**03:49:25.066**	**31Q4D**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,538,752:83:0**	
766	**96**	**208**	**03:49:25.733**	**31Q4E**	**37ETB**	**07,C7,31,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,538,752:84:0**	
767	**96**	**208**	**03:50:25.733**	**31Q4F**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**3,538,753:83:0**	
768	**96**	**208**	**03:52:27.066**	**31Q4G**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**3,538,755:83:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	**96**	**208**	**03:54:00.000**	**G1NNOPCAL_02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
770	96	208	03:59:04.000	20VD4A	7SLEW	DIS,POS,0.0	Stator movement	4R3	4	0	3,538,762:42:0	
771	96	208	04:00:37.333	176VJ6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4R3	4	0	3,538,764:00:0	
772	**96**	**208**	**04:37:00.000**	**G1NNCHOPOF02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
773	**96**	**208**	**04:37:56.666**	**31W4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,538,800:83:0**	
774	**96**	**208**	**04:38:57.333**	**31W4B**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**3,538,801:83:0**	
775	**96**	**208**	**04:38:58.000**	**31W4C**	**37ETB**	**04,C4,31,FF,FF**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**3,538,801:84:0**	
776	**96**	**208**	**04:39:58.000**	**31W4D**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**3,538,802:83:0**	
777	**96**	**208**	**04:40:58.666**	**31W4E**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**3,538,803:83:0**	
778	96	208	04:42:03.333	31W6B,	6CKSUM	NIMS	NIMS,1000,14B3	260	4	0	3,538,804:89:0	
779	**96**	**208**	**04:42:24.000**	**31W6C,**	**6MROH**		**12 read from LLM1A12,2282,0,A2**	**260**	**4**	**0**	**3,538,805:29:0**	
780	**96**	**208**	**05:09:17.333**	**31W4F**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**2O0**	**4**	**0**	**3,538,831:83:0**	
781	**96**	**208**	**05:10:00.000**	**G1NNCHOPOF02-**		**-----STOP-------**		**2O0**	**4**	**0**	**: :**	
782	96	208	05:32:50.000	488EC6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,538,855:18:0	
783	96	208	06:06:58.000	488EC6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,538,888:87:0	
784	96	208	06:56:02.000	488EC6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,538,937:44:0	
785	96	208	07:00:05.333	488ED6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,538,941:45:0	
786	96	208	07:18:18.000	488ED6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,538,959:46:0	
787	96	208	08:40:34.000	488ED6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,539,040:79:0	
788	96	208	15:08:50.000	488EE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,539,424:79:0	
789	96	208	17:08:18.000	488EE6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,539,543:02:0	
790	96	208	17:12:42.666	488EE6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,539,547:35:0	
791	96	208	18:35:00.000	488EE6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,539,628:70:0	
792	96	208	18:54:58.000	488EE6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,539,648:47:0	
793	96	208	19:26:58.000	488EF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,539,680:15:0	
794	96	209	00:53:22.000	488EF6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,540,002:89:0	
795	96	209	01:57:22.000	488EG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,540,066:25:0	
796	96	209	02:29:22.000	488EG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,540,097:84:0	
797	96	209	05:24:18.000	488EG6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,540,270:85:0	
798	96	209	05:56:18.000	488EG6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,540,302:53:0	
799	96	209	06:41:06.000	488EG6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,540,346:81:0	
800	96	209	08:40:33.933	488EH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,540,465:04:0	
801	96	209	15:08:49.933	488EI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,540,849:04:0	
802	96	209	16:53:21.933	488EI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,540,952:39:0	
803	96	209	17:45:27.933	488EI6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,541,003:87:0	
804	96	209	17:50:57.933	488EI6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	3,541,009:36:0	
805	96	209	18:30:59.266	488EI6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2O0	4	0	3,541,048:89:0	
806	96	209	19:35:29.933	488EJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,541,112:71:0	
807	96	209	19:40:18.600	488EJ6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,541,117:49:0	
808	96	209	20:17:06.600	488EJ6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,541,153:85:0	
809	96	209	20:39:29.933	488EJ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,541,176:07:0	
810	96	209	23:23:45.933	488EJ6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,541,338:49:0	
811	96	210	00:43:52.600	488EK6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,541,417:70:0	
812	96	210	01:45:56.600	488EK6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,541,479:14:0	
813	96	210	02:10:09.933	488EK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,541,503:10:0	
814	96	210	02:27:23.933	488EK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,541,520:14:0	
815	96	210	02:54:42.600	488EK6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,541,547:15:0	
816	96	210	05:22:09.933	488EL6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,541,693:00:0	
817	96	210	06:02:41.933	488EL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,541,733:08:0	
818	96	210	06:41:05.933	488EL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,541,771:06:0	
819	96	210	08:40:33.933	488EL6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,541,889:20:0	
820	96	210	14:51:45.866	488EM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,542,256:31:0	
821	96	210	16:53:21.866	488EM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,542,376:55:0	
822	96	210	17:41:02.533	488EM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,542,423:69:0	
823	96	210	17:46:41.866	488EM6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	3,542,429:32:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	96	210	18:25:55.866	488EM6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2O0	4	0	3,542,468:14:0	
825	96	210	19:26:57.866	488EN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,542,528:47:0	
826	96	211	00:38:25.866	488EN6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,542,836:51:0	
827	96	211	01:12:33.866	488EN6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,542,870:29:0	
828	96	211	01:44:33.866	488EO6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,542,901:88:0	
829	96	211	02:16:33.866	488EO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,542,933:56:0	
830	96	211	05:22:09.866	488EO6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,543,117:16:0	
831	96	211	06:02:41.866	488EO6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,543,157:24:0	
832	96	211	06:41:05.866	488EO6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,543,195:22:0	
833	96	211	08:40:33.866	488EP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,543,313:36:0	
834	96	211	14:51:45.866	488EQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,543,680:47:0	
835	96	211	16:53:21.866	488EQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,543,800:71:0	
836	96	211	17:41:01.866	488EQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,543,847:84:0	
837	96	211	17:46:41.866	488EQ6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	3,543,853:48:0	
838	96	211	18:25:53.200	488EQ6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2O0	4	0	3,543,892:26:0	
839	96	211	19:26:57.800	488ER6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,543,952:63:0	
840	96	212	00:38:25.800	488ER6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,544,260:67:0	
841	96	212	01:42:25.800	488ES6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,544,324:03:0	
842	96	212	02:14:25.800	488ES6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,544,355:62:0	
843	96	212	05:17:53.800	488ES6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,544,537:12:0	
844	96	212	06:00:33.800	488ES6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,544,579:30:0	
845	96	212	06:41:05.800	488ES6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,544,619:38:0	
846	96	212	08:40:33.800	488ET6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,544,737:52:0	
847	96	212	13:00:01.133	488ET6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2O0	4	0	3,544,994:16:0	
848	96	212	13:52:21.133	488ET6C	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2O0	4	0	3,545,045:85:0	
849	96	212	14:36:49.800	488ET6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	3,545,089:84:0	
850	96	212	15:12:41.133	488EU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,545,125:35:0	
851	96	212	16:38:25.800	488EU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,545,210:17:0	
852	96	212	17:38:09.800	488EU6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,545,269:24:0	
853	96	212	17:52:29.133	488EU6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,545,283:39:0	
854	96	212	18:19:49.133	488EU6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,545,310:42:0	
855	96	212	18:42:09.800	488EV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,545,332:51:0	
856	96	212	19:14:09.800	488EV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,545,364:19:0	
857	96	213	00:38:25.733	488EV6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,545,684:83:0	
858	96	213	01:55:13.733	488EW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,545,760:79:0	
859	96	213	02:36:53.066	488EW6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,545,802:06:0	
860	96	213	02:40:01.733	488EW6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,545,805:16:0	
861	96	213	03:07:31.733	488EW6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,545,832:34:0	
862	96	213	06:38:57.733	488EW6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,546,041:44:0	
863	96	213	08:40:33.733	488EX6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,546,161:68:0	
864	96	213	09:11:43.733	488EX6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,546,192:52:0	
865	96	213	09:25:23.066	488EX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,546,206:07:0	
866	96	213	14:36:49.733	488EX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,546,514:09:0	
867	96	213	16:38:25.733	488EY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,546,634:33:0	
868	96	213	17:30:23.733	488EY6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,546,685:69:0	
869	96	213	17:38:09.733	488EY6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,546,693:40:0	
870	96	213	18:19:45.066	488EY6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,546,734:52:0	
871	96	213	18:37:53.733	488EY6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,546,752:47:0	
872	96	213	19:09:53.733	488EZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,546,784:15:0	
873	96	213	19:15:45.733	488EZ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,546,789:88:0	
874	96	213	20:01:25.066	488EZ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,546,835:11:0	
875	96	214	00:23:29.733	488EZ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,547,094:29:0	
876	96	214	00:58:39.733	488EZ6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,547,129:09:0	
877	96	214	01:45:43.733	488FA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,547,175:59:0	
878	96	214	02:25:05.733	488FA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,547,214:53:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
879	96	214	02:32:37.066	488FA6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,547,222:02:0
880	96	214	03:02:35.733	488FA6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,547,251:61:0
881	96	214	06:38:57.666	488FA6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,547,465:60:0
882	96	214	08:40:33.666	488FB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,547,585:84:0
883	96	214	10:06:47.666	488FB6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,547,671:19:0
884	96	214	10:20:27.000	488FB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,547,684:65:0
885	96	214	14:21:53.666	488FB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,547,923:46:0
886	96	214	16:38:25.666	488FC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,548,058:49:0
887	96	214	17:29:27.666	488FC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,548,109:01:0
888	96	214	17:36:01.666	488FC6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	3,548,115:46:0
889	96	214	18:10:43.000	488FC6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2O0	4	0	3,548,149:74:0
890	96	214	19:20:03.000	488FC6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	3,548,218:35:0
891	96	214	19:20:33.666	488FD6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,548,218:81:0
892	96	214	19:57:22.333	488FD6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,548,255:27:0
893	96	214	20:01:19.666	31AF6A	6CKSUM	NIMS	NIMS,1000,14B3	2O0	4	0	3,548,259:19:0
894	**96**	**214**	**20:01:40.333**	**31AF6B**	**6MROH**		**12 read from LLM1A12,2282,0,A2**	**2O0**	**4**	**0**	**3,548,259:50:0**
895	96	214	20:39:29.666	488FD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,548,296:87:0
896	96	214	22:36:49.666	488FD6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,548,413:00:0
897	96	215	00:13:36.333	488FD6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,548,508:65:0
898	96	215	01:30:40.333	488FE6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,548,584:85:0
899	96	215	01:42:25.666	488FE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,548,596:51:0
900	96	215	02:07:40.333	488FE6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,548,621:48:0
901	96	215	02:34:58.333	488FE6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,548,648:48:0
902	96	215	06:38:57.666	488FE6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,548,889:76:0
903	96	215	08:40:33.666	488FF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,549,010:09:0
904	96	215	14:21:53.600	488FF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,549,347:62:0
905	96	215	16:23:29.600	488FG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,549,467:86:0
906	96	215	17:36:01.600	488FG6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,549,539:62:0
907	96	215	17:37:19.600	488FG6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,549,540:88:0
908	96	215	18:04:38.933	488FG6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,549,567:90:0
909	96	215	18:25:05.600	488FG6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,549,588:19:0
910	96	215	18:57:05.600	488FH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,549,619:78:0
911	96	216	00:08:33.600	488FH6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,549,927:82:0
912	96	216	00:46:57.600	488FH6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,549,965:80:0
913	96	216	01:25:21.600	488FI6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,550,003:78:0
914	96	216	01:57:21.600	488FI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,550,035:46:0
915	96	216	06:38:57.600	488FI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,550,314:01:0
916	96	216	08:40:33.600	488FJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,550,434:25:0
917	96	216	14:06:57.600	488FJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,550,757:08:0
918	96	216	15:54:02.866	176TJ6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	2O0	4	0	3,550,863:00:0
919	**96**	**216**	**16:00:00.200**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,550,868:81:0**
920	96	216	16:00:00.200		DMS:	: RUNNING	P7, TRACK 2, REV, TIC 161.86 +/- 1	2O0	4	0	3,550,868:81:0
921	**96**	**216**	**16:00:00.200**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**3,550,868:81:0**
922	**96**	**216**	**16:00:00.200**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**3,550,868:81:0**
923	**96**	**216**	**16:00:00.200**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,550,868:81:0**
924	**96**	**216**	**16:00:00.200**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**3,550,868:81:0**
925	**96**	**216**	**16:00:00.200**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,550,868:81:0**
926	**96**	**216**	**16:00:00.200**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,550,868:81:0**
927	**96**	**216**	**16:00:00.200**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,550,868:81:0**
928	**96**	**216**	**16:00:00.200**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**3,550,868:81:0**

			Sequence:	G01C-AR		Created: 11/2/96	Begin: 96-216/16:00:00 Finish: 96-244/09:59:55				
Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	96	216	16:00:00.200	20A3EY	37C1PR	Initial Condition	Optics Heater 1 OFF (primary relay)	2O0	4	0	3,550,868:81:0
2	96	216	16:00:00.200	20A3EZ	37C2PR	Initial Condition	Optics Heater 2 OFF (primary relay)	2O0	4	0	3,550,868:81:0
3	96	216	16:00:00.200	20A3FA	37F1PR	Initial Condition	Radiator Flash Heater OFF (primary relay)	2O0	4	0	3,550,868:81:0
4	96	216	16:00:00.200	20A3FB	37F2PR	Initial Condition	Shield Flash Heater OFF (primary relay)	2O0	4	0	3,550,868:81:0
5	96	216	16:00:00.200	20A3FD	40HRPR	Initial Condition	RCT Heater OFF (primary relay)	2O0	4	0	3,550,868:81:0
6	96	216	16:00:00.200	20A3FE	40T1P	Initial Condition	PCT Heater 1 ON (primary relay)	2O0	4	0	3,550,868:81:0
7	96	216	16:00:00.200	20A3FF	40T2	Initial Condition	PCT Heater 2 ON	2O0	4	0	3,550,868:81:0
8	96	216	16:00:00.200	20A3EX	37HR	Initial Condition	Replacement Heaters OFF	2O0	4	0	3,550,868:81:0
9	96	216	16:00:00.200		DMS:	: READY	RDY, TRACK 3, FWD, TIC 290.00 +/-	2O0	4	0	3,550,868:81:0
10	96	216	16:00:00.200	31W4F	37IST	Initial Condition	Chopper OFF, N/A, 63Hz (Ref)Gain State 2	2O0	4	0	3,550,868:81:0
11	96	216	16:00:00.200	31W4B	37IOP	Initial Condition	Safe, Grating Start Position =00	2O0	4	0	3,550,868:81:0
12	96	216	16:00:00.200	20A3EW	37A	Initial Condition	NIMS Power ON	2O0	4	0	3,550,868:81:0
13	96	216	16:00:00.200	20AEEV	37IST	Initial Condition		2O0	4	0	3,550,868:81:0
14	96	216	16:01:00.200	432WE6A	6RTSL2	NIMNCG,AACNCG,RT	R/T ENG SELECT	2O0	4	0	3,550,869:80:0
15	96	216	16:02:09.533	488AA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,550,871:02:0
16	96	216	16:03:04.200	20US4A	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	3,550,871:84:0
17	96	216	16:04:09.533	176TK6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	3,550,873:00:0
18	96	216	17:08:17.533	488AA6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,550,936:39:0
19	96	216	17:28:30.200	488AA6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,550,956:38:0
20	96	216	18:00:34.866	488AA6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,550,988:13:0
21	96	216	18:12:17.533	488AA6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,550,999:66:0
22	96	216	20:24:33.533	488AB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,551,130:49:0
23	96	216	22:51:45.533	488AB6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,551,276:11:0
24	96	216	23:00:00.866	488AB6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	3,551,284:26:0
25	96	216	23:52:20.866	488AB6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	3,551,336:04:0
26	96	217	01:12:40.866	488AB6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,551,415:45:0
27	96	217	01:25:21.533	488AC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,551,428:03:0
28	96	217	02:22:47.533	488AC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,551,484:76:0
29	96	217	02:52:45.533	488AC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,551,514:43:0
30	96	217	04:53:36.866	176LZ6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	3,551,634:00:0
31	96	217	04:55:42.134	G1NNSHDOFF02-		-----START------		2O0	4	0	: :
32	96	217	04:56:45.533	20EB4A	7SAFE	UNSTOW	S/P TO 153 deg cone	2O0	4	0	3,551,637:10:0
33	96	217	05:00:49.533	20UB4A	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	3,551,641:12:0
34	96	217	05:02:42.866	176LD6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	3,551,643:00:0
35	96	217	05:04:48.200	20DB3A	37F2PR	1	Shield Flash Heater OFF (primary relay)	2O0	4	0	3,551,645:06:0
36	96	217	05:04:52.200	20DB3B	37F2PR	2	Shield Flash Heater OFF (primary relay)	2O0	4	0	3,551,645:12:0
37	96	217	05:04:58.200	20DB3C	40T1P	1	PCT Heater 1 ON (primary relay)	2O0	4	0	3,551,645:21:0
38	96	217	05:05:02.200	20DB3D	40T1P	2	PCT Heater 1 ON (primary relay)	2O0	4	0	3,551,645:27:0
39	96	217	05:05:08.200	20DB3E	40T2	1	PCT Heater 2 ON	2O0	4	0	3,551,645:36:0
40	96	217	05:05:12.200	20DB3F	40T2	2	PCT Heater 2 ON	2O0	4	0	3,551,645:42:0
41	96	217	06:24:01.533	488AC6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,551,723:38:0
42	96	217	09:51:57.533	488AD6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,551,929:06:0
43	96	217	10:05:36.866	488AD6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,551,942:52:0
44	96	217	16:06:25.533	488AE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,552,299:38:0
45	96	217	17:08:17.533	488AE6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,552,360:55:0
46	96	217	17:17:11.533	488AE6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,552,369:37:0
47	96	217	17:44:30.866	488AE6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,552,396:39:0
48	96	217	18:12:17.533	488AE6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,552,423:82:0
49	96	217	18:44:17.533	488AF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,552,455:50:0
50	96	217	19:12:50.200	488AF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,552,483:71:0
51	96	217	19:42:48.800	488AF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,552,513:39:0
52	96	218	00:21:21.466	488AF6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,552,788:83:0
53	96	218	01:25:21.466	488AG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,552,852:19:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	96	218	01:52:51.466	488AG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,552,879:37:0	
55	96	218	02:16:33.466	488AG6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,552,902:77:0	
56	96	218	02:19:01.466	488AG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,552,905:26:0	
57	96	218	04:48:22.800	176SF6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	2O0	4	0	3,553,053:00:0	
58	96	218	04:50:00.133	41SH99A	**POWER**	**PWR MODE change**	**Change to Maneuver Mode**	2O0	4	0	3,553,054:55:0	
59	**96**	**218**	**04:50:04.133**	**41SH3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,553,054:61:0**	
60	**96**	**218**	**04:50:14.133**	**41SH3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,553,054:76:0**	
61	**96**	**218**	**04:52:24.133**	**41SH3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**3,553,056:89:0**	
62	**96**	**218**	**04:52:34.133**	**41SH3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**3,553,057:13:0**	
63	**96**	**218**	**04:52:44.133**	**41SH3I**	**40T2**	**1**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**3,553,057:28:0**	
64	**96**	**218**	**04:52:54.133**	**41SH3J**	**40T2**	**2**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**3,553,057:43:0**	
65	96	218	04:53:00.133	488AG6E	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	3,553,057:52:0	
66	96	218	05:01:20.133	20UG4B	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	3,553,065:74:0	
67	**96**	**218**	**05:07:00.133**	**20UG6A**	**6MROH**	**7,73C0,0,A10**	**read from AACSA7,73C0,0,A10**	**2O0**	**4**	**0**	**3,553,071:38:0**	
68	**96**	**218**	**05:08:20.133**	**20UG6B**	**6MROH**	**7,73C0,0,A10**	**read from AACSA7,73C0,0,A10**	**2O0**	**4**	**0**	**3,553,072:67:0**	
69	96	218	05:20:20.133	20UG4D	**7MODE**	**INT**	**AACS INERTIAL MODE**	2O0	4	0	3,553,084:55:0	
70	96	218	06:34:41.466	488AH6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2O0	4	0	3,553,158:13:0	
71	96	218	07:38:41.466	488AH6B	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	2O0	4	0	3,553,221:40:0	
72	**96**	**218**	**07:56:00.133**	**20UG6C**	**6MROH**	**7,73C0,0,A10**	**read from AACSA7,73C0,0,A10**	**2O0**	**4**	**0**	**3,553,238:51:0**	
73	**96**	**218**	**07:57:20.133**	**20UG6D**	**6MROH**	**7,73C0,0,A10**	**read from AACSA7,73C0,0,A10**	**2O0**	**4**	**0**	**3,553,239:80:0**	
74	96	218	08:02:00.133	20A4B	7STAT	17.45,110.451,15	Stator inertial point	2O0	4	0	3,553,244:45:0	
75	96	218	08:11:02.133	468A412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	2O0	4	0	3,553,253:39:0	
76	96	218	08:16:00.133	468A412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	3,553,258:31:0	
77	96	218	08:20:10.133	468A412A4E	7VECT		Inert vect update UTC	2O0	4	0	3,553,262:42:0	
78	96	218	08:20:14.133	468A412A4F	7TURN	1,MVR	ALERT Thruster	2O0	4	0	3,553,262:48:0	
79	96	218	08:31:08.800	468A416A4B	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	3,553,273:29:0	
80	96	218	08:35:22.800	468A416A4C	7BURN	98.231798,-7.844	ALERT -- Thruster fire	2O0	4	0	3,553,277:46:0	
81	96	218	10:29:16.133	468A416A4I	7BURN	98.231798,-7.844	ALERT -- Thruster fire	2O0	4	0	3,553,390:13:0	
82	96	218	12:06:38.133	468A412B4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	2O0	4	0	3,553,486:40:0	
83	96	218	12:11:36.133	468A412B4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	3,553,491:32:0	
84	96	218	12:15:50.133	468A412B4E	7TURN	1,RTH	ALERT Thruster	2O0	4	0	3,553,495:49:0	
85	96	218	13:20:58.133	468A412B4L	**7MODE**	**CRU**	**AACS CRUISE MODE**	2O0	4	0	3,553,559:87:0	
86	96	218	16:00:00.133	488AI6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2O0	4	0	3,553,717:22:0	
87	96	218	16:00:00.133	444UA443A4A	**7MODE**	**CRU**	**AACS CRUISE MODE**	2O0	4	0	3,553,717:22:0	
88	96	218	16:06:25.466	488AI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,553,723:54:0	
89	96	218	16:15:00.133	41SQ99A	**POWER**	**PWR MODE change**	**Change to Playback Mode**	2O0	4	0	3,553,732:07:0	
90	**96**	**218**	**16:15:04.133**	**41SQ3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,553,732:13:0**	
91	**96**	**218**	**16:15:14.133**	**41SQ3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,553,732:28:0**	
92	**96**	**218**	**16:15:24.133**	**41SQ3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**3,553,732:43:0**	
93	**96**	**218**	**16:15:34.133**	**41SQ3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**3,553,732:58:0**	
94	**96**	**218**	**16:17:44.133**	**41SQ3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**2O0**	**4**	**0**	**3,553,734:71:0**	
95	**96**	**218**	**16:17:54.133**	**41SQ3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**2O0**	**4**	**0**	**3,553,734:86:0**	
96	96	218	16:25:34.133	20UM4A	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	3,553,742:48:0	
97	96	218	16:26:02.800	176SG6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	2O0	4	0	3,553,743:00:0	
98	**96**	**218**	**16:28:00.133**	**20DD3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,553,744:85:0**	
99	**96**	**218**	**16:28:04.133**	**20DD3B**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,553,745:00:0**	
100	**96**	**218**	**16:28:10.133**	**20DD3C**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**3,553,745:09:0**	
101	**96**	**218**	**16:28:14.133**	**20DD3D**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**3,553,745:15:0**	
102	**96**	**218**	**16:28:20.133**	**20DD3E**	**40T2**	**1**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**3,553,745:24:0**	
103	**96**	**218**	**16:28:24.133**	**20DD3F**	**40T2**	**2**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**3,553,745:30:0**	
104	96	218	16:38:25.466	488AI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,553,755:22:0	
105	96	218	17:10:25.466	488AI6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,553,786:81:0	
106	96	218	17:12:08.133	488AI6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,553,788:53:0	
107	96	218	17:39:28.133	488AJ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	3,553,815:56:0	
108	96	218	17:50:02.133	41TE99A	**POWER**	**PWR MODE change**	**Change to Calib/Decon Mode**	2O0	4	0	3,553,826:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	**96**	**218**	**17:50:02.134**	**G1NNRCTRLT02-**		**-----START------**		**2O0**	**4**	**0**	**: :**	
110	**96**	**218**	**17:50:02.134**	**G1NNSHDOFF02-**		**-----STOP-------**		**2O0**	**4**	**0**	**: :**	
111	**96**	**218**	**17:50:06.133**	**41TE3G**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,553,826:12:0**	
112	**96**	**218**	**17:50:16.133**	**41TE3H**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,553,826:27:0**	
113	**96**	**218**	**17:50:26.133**	**41TE3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,553,826:42:0**	
114	**96**	**218**	**17:50:36.133**	**41TE3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,553,826:57:0**	
115	**96**	**218**	**17:50:46.133**	**41TE3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**3,553,826:72:0**	
116	**96**	**218**	**17:50:56.133**	**41TE3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**3,553,826:87:0**	
117	**96**	**218**	**18:00:04.800**	**185XG10A3A**	**40HRP**	**1**	**RCT Heater ON (primary relay)**	**2O0**	**4**	**0**	**3,553,836:00:0**	
118	96	218	18:14:25.466	488AJ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,553,850:17:0	
119	96	218	18:46:25.466	488AJ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,553,881:76:0	
120	96	218	19:07:53.466	488AJ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,553,903:06:0	
121	96	218	19:37:51.466	488AJ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,553,932:64:0	
122	96	219	00:21:21.466	488AK6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,554,213:08:0	
123	96	219	00:55:29.400	488AK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,554,246:77:0	
124	96	219	01:47:54.066	488AK6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,554,298:62:0	
125	96	219	02:10:09.400	488AK6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,554,320:63:0	
126	96	219	02:13:35.400	488AK6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,554,324:08:0	
127	96	219	03:52:24.066	488AL6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,554,421:74:0	
128	96	219	03:56:49.400	488AL6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,554,426:17:0	
129	96	219	04:40:25.400	488AL6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,554,469:28:0	
130	96	219	04:54:25.400	488AL6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,554,483:14:0	
131	96	219	05:09:21.400	125XG	NIMSINIT	GS	##### GROUP START INIT	2O0	4	0	3,554,497:84:0	
132	**96**	**219**	**05:09:21.400**	**125XG4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**3,554,497:84:0**	
133	**96**	**219**	**05:10:22.066**	**125XG4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,554,498:84:0**	
134	**96**	**219**	**05:11:22.733**	**125XG4C**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**3,554,499:84:0**	
135	96	219	05:12:23.400	125XG11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	3,554,500:84:0	
136	**96**	**219**	**05:12:23.400**	**125XG4D**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,554,500:84:0**	
137	96	219	05:17:26.733	127XG	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	3,554,505:84:0	
138	**96**	**219**	**05:17:26.733**	**127XG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**3,554,505:84:0**	
139	**96**	**219**	**05:17:27.400**	**127XG4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**3,554,505:85:0**	
140	96	219	05:17:35.400	127XG11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	3,554,506:06:0	
141	96	219	05:26:25.400	488AL6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1R3	4	0	3,554,514:73:0	
142	96	219	06:01:00.066	176XG6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1R3	4	0	3,554,549:00:0	
143	96	219	06:06:03.400	192XG4A	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	3,554,554:00:0	
144	**96**	**219**	**06:08:24.733**	**432XG6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,554,556:30:0**	
145	**96**	**219**	**06:09:24.066**	**432XH6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,554,557:28:0**	
146	96	219	06:12:07.400	192XG4B	**7CONE**	**17.0,0.0**	**Check S/P Position**	1R3	4	0	3,554,560:00:0	
147	**96**	**219**	**06:14:28.733**	**432XI6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,554,562:30:0**	
148	**96**	**219**	**06:16:28.733**	**432YE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,554,564:28:0**	
149	96	219	06:18:11.400	192XG4C	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	3,554,566:00:0	
150	**96**	**219**	**06:20:32.733**	**432YF6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,554,568:30:0**	
151	**96**	**219**	**06:21:32.066**	**432ZE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,554,569:28:0**	
152	**96**	**219**	**06:23:10.066**	**127XH4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**3,554,570:84:0**	
153	96	219	06:23:10.066	127XH	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	3,554,570:84:0	
154	**96**	**219**	**06:23:10.733**	**127XH4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**1R0**	**4**	**0**	**3,554,570:85:0**	
155	**96**	**219**	**06:23:14.733**	**185XG10B3A**	**40HRPR**	**1**	**RCT Heater OFF (primary relay)**	**1R0**	**4**	**0**	**3,554,571:00:0**	
156	96	219	06:23:18.733	127XH11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R0	4	0	3,554,571:06:0	
157	96	219	06:24:01.400	488AM6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1R0	4	0	3,554,571:70:0	
158	96	219	06:24:15.400	192XG4D	**7CONE**	**17.0,153.0**	**Check S/P Position**	1R0	4	0	3,554,572:00:0	
159	**96**	**219**	**06:25:11.400**	**125XH4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,554,572:84:0**	
160	96	219	06:25:11.400	125XH	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	3,554,572:84:0	
161	**96**	**219**	**06:26:12.066**	**125XH4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**3,554,573:84:0**	
162	**96**	**219**	**06:27:12.733**	**125XH4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**3,554,574:84:0**	
163	96	219	06:27:12.733	125XH11A	NIMSINIT	GE	##### GROUP END INIT	1O0	4	0	3,554,574:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	96	219	06:28:22.066	41TF99A	**POWER**	**PWR MODE change**	**Change to Playback Mode**	1O0	4	0	3,554,576	06:0
165	**96**	**219**	**06:28:26.066**	**41TF3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,554,576**	**12:0**
166	**96**	**219**	**06:28:36.066**	**41TF3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,554,576**	**27:0**
167	**96**	**219**	**06:28:46.066**	**41TF3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,554,576**	**42:0**
168	**96**	**219**	**06:28:56.066**	**41TF3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,554,576**	**57:0**
169	**96**	**219**	**06:31:06.066**	**41TF3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,554,578**	**70:0**
170	**96**	**219**	**06:31:16.066**	**41TF3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,554,578**	**85:0**
171	96	219	06:45:37.400	20UC4A	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,554,593	12:0
172	96	219	06:47:30.733	176XH6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,554,595	00:0
173	**96**	**219**	**06:48:35.466**	**G1NNRCTRLT02-**		**-----STOP-------**		**1O0**	**4**	**0**	**:**	**:**
174	96	219	15:51:29.400	488AN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,555,133	00:0
175	96	219	16:51:13.400	488AN6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,555,192	07:0
176	96	219	17:03:19.400	488AN6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,555,204	04:0
177	96	219	17:40:23.400	488AN6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,555,240	64:0
178	96	219	17:55:13.400	488AN6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,555,255	34:0
179	96	219	20:24:33.400	488AO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,555,403	06:0
180	96	219	22:21:53.400	488AO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,555,519	10:0
181	96	220	00:36:17.400	488AO6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,555,652	03:0
182	96	220	01:08:17.400	488AO6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,555,683	62:0
183	96	220	01:40:17.400	488AO6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,555,715	30:0
184	96	220	02:07:58.066	488AP6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,555,742	64:0
185	96	220	02:37:56.733	488AP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,555,772	32:0
186	96	220	05:39:13.333	488AP6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,555,951	58:0
187	96	220	06:24:01.333	488AP6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,555,995	86:0
188	96	220	09:42:09.333	488AQ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,556,191	82:0
189	96	220	09:55:48.666	488AQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,556,205	37:0
190	96	220	09:57:25.333	176SH6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,556,207	00:0
191	96	220	09:59:00.000	488AQ6C	6TMSED	NORM,BA6	Sci, Eng, and D/L Chan	1O0	4	0	3,556,208	51:0
192	96	220	10:03:00.000	20UA4F	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	3,556,212	47:0
193	96	220	10:07:00.000	20UA4G	7STAT	17.45,0.0,90.0	Stator inertial point	1O0	4	0	3,556,216	43:0
194	96	220	13:59:04.000	20UN4A	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,556,445	90:0
195	96	220	14:00:05.333	176SI6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,556,447	00:0
196	96	220	14:01:00.000	488AQ6D	6TMSED	NORM,BL6	Sci, Eng, and D/L Chan	1O0	4	0	3,556,447	82:0
197	96	220	14:02:00.000	488AQ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,556,448	81:0
198	96	220	15:51:29.333	488AR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,556,557	16:0
199	96	220	16:51:13.333	488AR6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,556,616	23:0
200	96	220	16:57:00.666	488AR6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,556,621	89:0
201	96	220	17:24:20.000	488AR6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,556,649	00:0
202	96	220	17:55:13.333	488AR6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,556,679	50:0
203	96	220	20:24:33.333	488AS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,556,827	22:0
204	96	220	22:06:57.333	488AS6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,556,928	47:0
205	96	221	00:55:29.333	488AS6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,557,095	18:0
206	96	221	02:10:09.333	488AS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,557,169	04:0
207	96	221	04:30:01.333	488AT6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	3,557,307	34:0
208	96	221	05:22:21.333	488AT6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	3,557,359	12:0
209	96	221	06:34:41.333	488AT6C	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	1O0	4	0	3,557,430	61:0
210	96	221	06:42:41.333	488AT6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,557,438	53:0
211	96	221	15:36:33.266	488AU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,557,966	53:0
212	96	221	16:36:17.266	488AU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,558,025	60:0
213	96	221	17:04:50.600	488AU6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,558,053	82:0
214	96	221	17:12:33.266	488AU6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,558,061	48:0
215	96	221	17:24:15.933	488AU6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,558,073	10:0
216	96	221	17:44:33.266	488AV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,558,093	16:0
217	96	221	18:16:33.266	488AV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,558,124	75:0
218	96	221	20:24:33.266	488AV6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,558,251	38:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	96	221	21:52:01.266	488AV6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,558,337:84:0	
220	96	222	00:25:37.266	488AW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,558,489:76:0	
221	96	222	01:04:01.266	488AW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,558,527:74:0	
222	96	222	02:00:49.933	176SJ6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,558,584:00:0	
223	96	222	02:01:59.933	41SI99A	**POWER**	**PWR MODE change**	**Change to Maneuver Mode**	1O0	4	0	3,558,585:14:0	
224	**96**	**222**	**02:02:03.933**	**41SI3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,558,585:20:0**	
225	**96**	**222**	**02:02:13.933**	**41SI3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,558,585:35:0**	
226	96	222	02:03:05.933	488AW6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,558,586:22:0	
227	**96**	**222**	**02:04:23.933**	**41SI3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,558,587:48:0**	
228	**96**	**222**	**02:04:33.933**	**41SI3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,558,587:63:0**	
229	**96**	**222**	**02:04:43.933**	**41SI3I**	**40T2**	**1**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,558,587:78:0**	
230	**96**	**222**	**02:04:53.933**	**41SI3J**	**40T2**	**2**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,558,588:02:0**	
231	96	222	02:04:59.933	488AW6D	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,558,588:11:0	
232	96	222	02:13:59.933	20UD4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,558,597:02:0	
233	96	222	02:14:59.933	20UD4D	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	1O0	4	0	3,558,598:01:0	
234	96	222	02:16:59.933	20UD4E	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	3,558,599:90:0	
235	96	222	02:22:29.933	20UD4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	1O0	4	0	3,558,605:39:0	
236	96	222	02:22:30.600	20UD4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	1O0	4	0	3,558,605:40:0	
237	96	222	02:22:50.600	20UD4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	1O0	4	0	3,558,605:70:0	
238	96	222	02:22:51.266	20UD4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	1O0	4	0	3,558,605:71:0	
239	96	222	02:23:11.266	20UD4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	3,558,606:10:0	
240	96	222	02:23:11.933	20UD4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	3,558,606:11:0	
241	96	222	02:23:21.933	20UD4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	3,558,606:26:0	
242	96	222	02:23:22.600	20UD4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	3,558,606:27:0	
243	96	222	02:23:32.600	20UD4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	1O0	4	0	3,558,606:42:0	
244	96	222	02:23:33.266	20UD4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	1O0	4	0	3,558,606:43:0	
245	96	222	02:25:19.933	20UD4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	1O0	4	0	3,558,608:21:0	
246	96	222	02:25:20.600	20UD4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	1O0	4	0	3,558,608:22:0	
247	96	222	02:25:40.600	20UD4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	1O0	4	0	3,558,608:52:0	
248	96	222	02:25:41.266	20UD4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	1O0	4	0	3,558,608:53:0	
249	96	222	02:26:01.266	20UD4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	3,558,608:83:0	
250	96	222	02:26:01.933	20UD4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	3,558,608:84:0	
251	96	222	02:26:11.933	20UD4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	3,558,609:08:0	
252	96	222	02:26:12.600	20UD4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	3,558,609:09:0	
253	96	222	02:26:22.600	20UD4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	1O0	4	0	3,558,609:24:0	
254	96	222	02:26:23.266	20UD4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	1O0	4	0	3,558,609:25:0	
255	96	222	02:27:19.933	20UD4Z	**7MODE**	**CRU**	**AACS CRUISE MODE**	1O0	4	0	3,558,610:19:0	
256	96	222	02:33:04.600	488AW6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,558,615:81:0	
257	96	222	02:51:59.933	41SR99A	**POWER**	**PWR MODE change**	**Change to Playback Mode**	1O0	4	0	3,558,634:55:0	
258	**96**	**222**	**02:52:03.933**	**41SR3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,558,634:61:0**	
259	**96**	**222**	**02:52:13.933**	**41SR3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,558,634:76:0**	
260	**96**	**222**	**02:52:23.933**	**41SR3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,558,635:00:0**	
261	**96**	**222**	**02:52:33.933**	**41SR3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,558,635:15:0**	
262	**96**	**222**	**02:54:43.933**	**41SR3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,558,637:28:0**	
263	**96**	**222**	**02:54:53.933**	**41SR3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,558,637:43:0**	
264	96	222	03:02:03.933	20UO4A	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,558,644:51:0	
265	96	222	03:03:31.266	176SK6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,558,646:00:0	
266	96	222	04:12:59.933	488AX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,558,714:65:0	
267	96	222	05:24:17.266	488AX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,558,785:20:0	
268	96	222	06:09:05.266	488AX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,558,829:48:0	
269	**96**	**222**	**07:59:00.000**	**G1NNPCTRLT01-**		**-----START------**		**1O0**	**4**	**0**	**: :**	
270	**96**	**222**	**08:00:06.600**	**20EM3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,558,939:30:0**	
271	**96**	**222**	**08:00:10.600**	**20EM3B**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,558,939:36:0**	
272	**96**	**222**	**08:00:16.600**	**20EM3C**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,558,939:45:0**	
273	**96**	**222**	**08:00:20.600**	**20EM3D**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,558,939:51:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	**96**	**222**	**08:00:26.600**	**20EM3E**	**40T2**	**1**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,558,939:60:0**	
275	**96**	**222**	**08:00:30.600**	**20EM3F**	**40T2**	**2**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,558,939:66:0**	
276	96	222	09:32:17.933	488AX6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,559,030:46:0	
277	96	222	09:45:56.600	488AX6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,559,044:00:0	
278	96	222	15:36:33.200	488AY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,559,390:69:0	
279	96	222	16:36:17.200	488AY6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,559,449:76:0	
280	96	222	16:51:52.533	488AY6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,559,465:23:0	
281	96	222	17:19:11.866	488AY6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,559,492:25:0	
282	96	222	17:40:17.200	488AY6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,559,513:12:0	
283	96	222	18:12:17.200	488AZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,559,544:71:0	
284	96	222	20:24:33.200	488AZ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,559,675:54:0	
285	96	222	21:52:01.200	488AZ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,559,762:09:0	
286	**96**	**222**	**23:59:17.866**	**432JI6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1O0**	**4**	**0**	**3,559,887:89:0**	
287	96	222	23:59:18.533	432JI431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	1O0	4	0	3,559,887:90:0	
288	**96**	**222**	**23:59:19.200**	**432JI6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**1O0**	**4**	**0**	**3,559,888:00:0**	
289	96	222	23:59:19.200	432JI6C	6RTSL1		R/T Select of DDS and	1O0	4	0	3,559,888:00:0	
290	96	223	00:21:21.200	488BA6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,559,909:72:0	
291	96	223	00:53:21.200	488BA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,559,941:40:0	
292	96	223	01:47:30.533	176UA6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,559,995:00:0	
293	96	223	01:50:32.533	176KA6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	1O0	4	0	3,559,998:00:0	
294	96	223	01:54:33.866	165QA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,560,001:89:0	
295	96	223	01:54:34.533	165QA4B	7SCAN	NORM,162.002998,	Check S/P Position	1O0	4	0	3,560,001:90:0	
296	96	223	01:55:13.200	488BA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,560,002:57:0	
297	96	223	02:29:57.200	165QB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,560,036:89:0	
298	96	223	02:29:57.866	165QB4B	7SCAN	NORM,162.066999,	Check S/P Position	1O0	4	0	3,560,036:90:0	
299	96	223	03:09:03.866	20UT4A	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,560,075:60:0	
300	96	223	03:10:25.200	176UB6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,560,077:00:0	
301	96	223	06:17:37.200	488BA6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,560,262:13:0	
302	96	223	15:36:33.200	488BB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,560,814:85:0	
303	96	223	16:36:17.200	488BB6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,560,874:01:0	
304	96	223	16:46:47.200	488BB6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,560,884:36:0	
305	96	223	17:14:07.200	488BB6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,560,911:39:0	
306	96	223	17:40:17.200	488BB6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,560,937:28:0	
307	96	223	20:39:29.133	488BC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,561,114:49:0	
308	96	223	21:37:05.133	488BC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,561,171:46:0	
309	96	224	00:17:05.133	488BC6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,561,329:68:0	
310	96	224	00:49:05.133	488BC6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,561,361:36:0	
311	96	224	01:55:13.133	488BC6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,561,426:73:0	
312	96	224	06:17:37.133	488BD6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,561,686:29:0	
313	96	224	08:33:00.466	41W99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	1O0	4	0	3,561,820:20:0	
314	**96**	**224**	**08:33:04.466**	**41W3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,561,820:26:0**	
315	**96**	**224**	**08:33:14.466**	**41W3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,561,820:41:0**	
316	**96**	**224**	**08:33:24.466**	**41W3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,561,820:56:0**	
317	**96**	**224**	**08:33:34.466**	**41W3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,561,820:71:0**	
318	**96**	**224**	**08:33:44.466**	**41W3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,561,820:86:0**	
319	**96**	**224**	**08:33:54.466**	**41W3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,561,821:10:0**	
320	96	224	14:34:45.800	176FA6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,562,178:00:0	
321	96	224	14:38:00.466	444UC443A4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	3,562,181:19:0	
322	96	224	14:42:00.466	444UC443A4B	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	1O0	4	0	3,562,185:15:0	
323	96	224	14:51:00.466	444UC443A4C	**7CLK**	**17.45,0.0**	**Check S/P Position**	1O0	4	0	3,562,194:06:0	
324	**96**	**224**	**14:55:55.133**	**125FD4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**3,562,198:84:0**	
325	96	224	14:55:55.133	125FD	NIMSINIT	GS	##### GROUP START INIT	160	4	0	3,562,198:84:0	
326	**96**	**224**	**14:56:55.800**	**125FD4B**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**3,562,199:84:0**	
327	**96**	**224**	**14:57:56.466**	**125FD4C**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,562,200:84:0**	
328	96	224	14:57:56.466	125FD11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	3,562,200:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	**96**	**224**	**15:00:58.466**	**127FD4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,562,203:84:0**	
330	96	224	15:00:58.466	127FD	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,562,203:84:0	
331	**96**	**224**	**15:00:59.133**	**127FD4B**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,562,203:85:0**	
332	96	224	15:01:16.466	127FD11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,562,204:20:0	
333	**96**	**224**	**15:02:23.800**	**432EA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**3,562,205:30:0**	
334	**96**	**224**	**15:03:23.133**	**432EB6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,562,206:28:0**	
335	96	224	15:04:05.133	192EQ4A	**7CONE**	**17.0,54.88**	**Check S/P Position**	4R3	4	0	3,562,207:00:0	
336	96	224	15:04:05.800	192EQ4B	**7CLK**	**17.0,244.07**	**Check S/P Position**	4R3	4	0	3,562,207:01:0	
337	**96**	**224**	**15:07:27.133**	**432EC6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**3,562,210:30:0**	
338	**96**	**224**	**15:17:32.466**	**432ED6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,562,220:28:0**	
339	96	224	15:18:09.800	127EE	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,562,220:84:0	
340	**96**	**224**	**15:18:09.800**	**127EE4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**3,562,220:84:0**	
341	**96**	**224**	**15:18:10.466**	**127EE4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**3,562,220:85:0**	
342	96	224	15:18:27.800	20FH4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4R0	4	0	3,562,221:20:0	
343	96	224	15:18:27.800	127EE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	3,562,221:20:0	
344	**96**	**224**	**15:20:11.133**	**125FL4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,562,222:84:0**	
345	96	224	15:20:11.133	125FL	NIMSINIT	GS	##### GROUP START INIT	460	4	0	3,562,222:84:0	
346	**96**	**224**	**15:21:11.800**	**125FL4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**3,562,223:84:0**	
347	96	224	15:21:37.133	488BE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,562,224:31:0	
348	**96**	**224**	**15:22:12.466**	**125FL4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4O0**	**4**	**0**	**3,562,224:84:0**	
349	96	224	15:22:12.466	125FL11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	3,562,224:84:0	
350	96	224	15:23:30.466	444UD443A4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	3,562,226:19:0	
351	96	224	15:27:30.466	444UD443A4B	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	3,562,230:15:0	
352	96	224	15:37:40.466	41U99A	**POWER**	**PWR MODE change**	**Change to Playback Mode**	4O0	4	0	3,562,240:20:0	
353	**96**	**224**	**15:37:44.466**	**41U3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,562,240:26:0**	
354	**96**	**224**	**15:37:54.466**	**41U3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,562,240:41:0**	
355	**96**	**224**	**15:38:04.466**	**41U3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,562,240:56:0**	
356	**96**	**224**	**15:38:14.466**	**41U3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,562,240:71:0**	
357	**96**	**224**	**15:40:24.466**	**41U3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,562,242:84:0**	
358	**96**	**224**	**15:40:34.466**	**41U3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,562,243:08:0**	
359	96	224	15:47:51.133	20UP4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	3,562,250:26:0	
360	96	224	15:48:41.133	20UP4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,562,251:10:0	
361	96	224	15:51:36.466	176FK6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,562,254:00:0	
362	**96**	**224**	**15:52:00.000**	**G1NNPCTRLT01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
363	96	224	16:21:21.133	488BE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,562,283:38:0	
364	96	224	16:49:45.800	488BE6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,562,311:47:0	
365	96	224	16:57:37.133	488BE6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,562,319:26:0	
366	96	224	17:09:03.133	488BE6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,562,330:54:0	
367	96	224	17:29:37.133	488BF6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,562,350:85:0	
368	96	224	18:01:37.133	488BF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,562,382:53:0	
369	96	225	00:17:05.133	488BG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,562,753:84:0	
370	96	225	00:49:05.133	488BG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,562,785:52:0	
371	96	225	01:55:13.066	488BG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,562,850:89:0	
372	96	225	06:17:37.066	488BH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,563,110:45:0	
373	96	225	11:59:59.733	418PJ6A	6BUFHI		9 MUB Buffer high water	4O0	4	0	3,563,449:10:0	
374	96	225	12:30:01.066	488BI6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	3,563,478:73:0	
375	96	225	13:22:21.066	488BI6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	3,563,530:51:0	
376	96	225	14:42:41.066	488BI6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,563,610:01:0	
377	96	225	15:21:37.066	488BI6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,563,648:47:0	
378	96	225	16:21:21.066	488BI6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,563,707:54:0	
379	96	225	16:36:40.400	488BJ6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,563,722:68:0	
380	96	225	17:18:59.066	488BJ6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,563,764:54:0	
381	96	225	17:40:17.066	488BJ6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,563,785:60:0	
382	96	225	18:12:17.066	488BJ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,563,817:28:0	
383	96	225	18:38:22.400	488BJ6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,563,843:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	96	225	19:08:20.400	488BK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,563,872	68:0
385	96	225	23:36:33.066	488BK6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,564,138	01:0
386	96	226	00:19:13.066	488BK6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,564,180	19:0
387	96	226	00:51:13.066	488BK6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,564,211	78:0
388	96	226	01:18:23.066	488BL6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,564,238	66:0
389	96	226	01:45:41.733	488BL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,564,265	67:0
390	96	226	01:55:13.066	488BL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,564,275	14:0
391	96	226	06:17:37.066	488BL6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,564,534	61:0
392	96	226	15:06:41.000	488BM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,565,057	84:0
393	96	226	16:21:21.000	488BM6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,565,131	70:0
394	96	226	16:26:35.666	488BM6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,565,136	87:0
395	96	226	17:13:53.666	488BM6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,565,183	67:0
396	96	226	17:57:21.000	488BM6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,565,226	65:0
397	96	227	00:00:01.000	488BN6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,565,585	36:0
398	96	227	01:04:01.000	488BN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,565,648	63:0
399	96	227	01:38:28.333	488BN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,565,682	70:0
400	96	227	02:08:26.333	488BN6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,565,712	37:0
401	96	227	05:07:13.000	488BN6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,565,889	20:0
402	96	227	06:09:05.000	488BO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,565,950	37:0
403	96	227	09:12:39.666	488BO6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,566,131	88:0
404	96	227	09:26:19.000	488BO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,566,145	43:0
405	96	227	15:06:40.933	488BP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,566,482	09:0
406	96	227	16:06:24.933	488BP6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,566,541	16:0
407	96	227	16:21:31.600	488BP6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,566,556	11:0
408	96	227	17:03:49.600	488BP6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,566,597	87:0
409	96	227	17:42:24.933	488BP6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,566,636	11:0
410	96	227	23:39:48.933	488BQ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,566,989	54:0
411	96	227	23:51:28.933	488BQ6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,567,001	12:0
412	96	228	00:23:28.933	488BQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,567,032	71:0
413	96	228	00:58:28.266	488BQ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,567,067	35:0
414	96	228	01:38:08.933	488BQ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,567,106	57:0
415	96	228	02:00:00.266	418PK6A	6BUFHI	10	MUB Buffer high water	4O0	4	0	3,567,128	22:0
416	96	228	06:02:40.933	488BR6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,567,368	23:0
417	96	228	15:06:40.933	488BS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,567,906	25:0
418	96	228	16:06:24.933	488BS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,567,965	32:0
419	96	228	16:34:38.866	488BS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,567,993	25:0
420	96	228	16:42:40.866	488BS6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,568,001	20:0
421	96	228	16:53:44.866	488BS6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,568,012	15:0
422	96	228	17:14:40.866	488BT6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,568,032	79:0
423	96	228	17:46:40.866	488BT6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,568,064	47:0
424	96	228	23:51:28.866	488BU6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,568,425	28:0
425	96	229	00:23:28.866	488BU6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,568,456	87:0
426	96	229	00:55:28.866	488BU6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,568,488	55:0
427	96	229	01:33:37.533	488BU6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,568,526	30:0
428	96	229	02:03:35.533	488BU6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,568,555	88:0
429	96	229	05:07:12.866	488BV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,568,737	52:0
430	96	229	05:54:08.866	488BV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,568,783	90:0
431	96	229	09:02:48.866	488BV6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,568,970	53:0
432	96	229	09:16:27.533	488BV6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,568,984	07:0
433	96	229	14:51:44.866	488BW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,569,315	62:0
434	96	229	16:06:24.866	488BW6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,569,389	48:0
435	96	229	16:21:20.200	488BW6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,569,404	26:0
436	96	229	16:48:40.200	488BW6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,569,431	29:0
437	96	229	17:10:24.866	488BW6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,569,452	75:0
438	96	229	17:42:24.866	488BX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,569,484	43:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	96	229	23:45:04.800	488BY6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,569,843:14:0	
440	96	230	00:23:28.800	488BY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,569,881:12:0	
441	96	230	01:38:08.800	488BY6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,569,954:89:0	
442	96	230	06:02:40.800	488BZ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,570,216:55:0	
443	96	230	14:51:44.800	488CA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,570,739:78:0	
444	96	230	15:51:28.800	488CA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,570,798:85:0	
445	96	230	16:24:13.466	488CA6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,570,831:29:0	
446	96	230	16:32:00.800	488CA6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,570,839:02:0	
447	96	230	16:43:34.800	488CA6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,570,850:42:0	
448	96	230	17:04:00.800	488CB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,570,870:61:0	
449	96	230	17:36:00.800	488CB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,570,902:29:0	
450	96	230	23:51:28.800	488CC6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,571,273:60:0	
451	96	231	00:23:28.800	488CC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,571,305:28:0	
452	96	231	01:38:08.800	488CC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,571,379:14:0	
453	96	231	06:02:40.733	488CD6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,571,640:71:0	
454	96	231	14:36:48.733	488CE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,572,149:24:0	
455	96	231	15:51:28.733	488CE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,572,223:10:0	
456	96	231	16:18:30.066	488CE6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,572,249:76:0	
457	96	231	16:25:36.733	488CE6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,572,256:79:0	
458	96	231	16:53:30.733	488CE6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,572,284:42:0	
459	96	231	17:29:36.733	488CF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,572,320:15:0	
460	96	231	23:34:24.733	488CG6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,572,680:87:0	
461	96	232	00:38:24.733	488CG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,572,744:23:0	
462	96	232	01:18:52.066	488CG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,572,784:24:0	
463	96	232	01:28:42.733	176SL6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,572,794:00:0	
464	96	232	01:30:00.066	41SJ99A	**POWER**	**PWR MODE change**	**Change to Maneuver Mode**	4O0	4	0	3,572,795:25:0	
465	**96**	**232**	**01:30:04.066**	**41SJ3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,572,795:31:0**	
466	**96**	**232**	**01:30:14.066**	**41SJ3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,572,795:46:0**	
467	**96**	**232**	**01:32:24.066**	**41SJ3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,572,797:59:0**	
468	**96**	**232**	**01:32:34.066**	**41SJ3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,572,797:74:0**	
469	**96**	**232**	**01:32:44.066**	**41SJ3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,572,797:89:0**	
470	**96**	**232**	**01:32:54.066**	**41SJ3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,572,798:13:0**	
471	96	232	01:33:00.066	488CG6D	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	4O0	4	0	3,572,798:22:0	
472	96	232	01:48:50.733	488CG6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	3,572,813:83:0	
473	96	232	02:05:02.066	490UB412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4O0	4	0	3,572,829:84:0	
474	96	232	02:10:00.066	490UB412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	3,572,834:76:0	
475	96	232	02:14:10.066	490UB412A4E	7VECT		Inert vect update UTC	4O0	4	0	3,572,838:87:0	
476	96	232	02:14:14.066	490UB412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	3,572,839:02:0	
477	96	232	02:18:02.066	490UB412A406A4A	7VECT		Inert vect update UTC	4O0	4	0	3,572,842:71:0	
478	96	232	02:18:04.066	490UB412A406A4B	7STAR	1,3000,95.710999	Star catalog update	4O0	4	0	3,572,842:74:0	
479	96	232	02:18:06.066	490UB412A406A4C	7STAR	2,293,1.451,28.8	Star catalog update	4O0	4	0	3,572,842:77:0	
480	96	232	02:18:08.066	490UB412A406A4D	7STAR	3,131,322.01	Star catalog update	4O0	4	0	3,572,842:80:0	
481	96	232	02:18:10.066	490UB412A406A4E	7STAR	4,142,193.42	Star catalog update	4O0	4	0	3,572,842:83:0	
482	96	232	02:18:12.066	490UB412A406A4F	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	3,572,842:86:0	
483	96	232	02:18:14.066	490UB412A406A4G	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	3,572,842:89:0	
484	96	232	03:24:12.733	490UB412A4L	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	3,572,908:21:0	
485	96	232	03:49:59.400	432OJ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,572,933:66:0	
486	96	232	03:50:00.066	432OJ6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,572,933:67:0	
487	96	232	03:51:00.066	41SS99A	**POWER**	**PWR MODE change**	**Change to Playback Mode**	4O0	4	0	3,572,934:66:0	
488	**96**	**232**	**03:51:04.066**	**41SS3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,572,934:72:0**	
489	**96**	**232**	**03:51:14.066**	**41SS3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,572,934:87:0**	
490	**96**	**232**	**03:51:24.066**	**41SS3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,572,935:11:0**	
491	**96**	**232**	**03:51:34.066**	**41SS3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,572,935:26:0**	
492	**96**	**232**	**03:53:44.066**	**41SS3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,572,937:39:0**	
493	**96**	**232**	**03:53:54.066**	**41SS3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,572,937:54:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	96	232	04:01:27.400	20VH4A	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,572,945:06:0	
495	96	232	04:02:24.066	176SP6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,572,946:00:0	
496	**96**	**232**	**04:03:00.066**	**480UA6A**	**6MROH**	**7,6960,13,A10**	**read from AACSA7,6960,13,A1**	**4O0**	**4**	**0**	**3,572,946:54:0**	
497	**96**	**232**	**04:21:40.066**	**480UA6B**	**6MROH**	**7,6960,13,A10**	**read from AACSA7,6960,13,A1**	**4O0**	**4**	**0**	**3,572,965:05:0**	
498	**96**	**232**	**04:40:20.066**	**480UA6C**	**6MROH**	**7,6960,13,A10**	**read from AACSA7,6960,13,A1**	**4O0**	**4**	**0**	**3,572,983:47:0**	
499	96	232	04:52:16.733	488CH6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	3,572,995:30:0	
500	96	232	05:02:14.733	488CH6B	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	4O0	4	0	3,573,005:17:0	
501	96	232	05:03:00.066	488CH6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,573,005:85:0	
502	96	232	05:43:20.733	488CH6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,573,045:76:0	
503	96	232	05:54:08.733	488CH6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,573,056:47:0	
504	96	232	08:53:02.666	488CI6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,573,233:41:0	
505	96	232	09:06:42.000	488CI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,573,246:87:0	
506	96	232	14:36:48.666	488CI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,573,573:40:0	
507	96	232	15:51:28.666	488CJ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,573,647:26:0	
508	96	232	16:06:07.333	488CJ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,573,661:70:0	
509	96	232	16:48:26.000	488CJ6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,573,703:56:0	
510	96	232	17:06:08.666	488CJ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,573,721:12:0	
511	96	233	00:08:32.666	488CK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,574,138:81:0	
512	96	233	01:23:12.666	488CK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,574,212:67:0	
513	96	233	05:47:44.666	488CK6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,574,474:33:0	
514	96	233	14:36:48.600	488CL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,574,997:56:0	
515	96	233	15:51:28.600	488CL6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,575,071:42:0	
516	96	233	16:01:01.266	488CL6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,575,080:82:0	
517	96	233	16:43:19.933	488CL6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,575,122:68:0	
518	96	233	17:27:28.600	488CL6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,575,166:37:0	
519	96	233	19:08:10.600	176TA6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,575,266:00:0	
520	96	233	19:09:59.933	41SW99A	**POWER**	**PWR MODE change**	**Change to Calib/Decon Mode**	4O0	4	0	3,575,267:73:0	
521	**96**	**233**	**19:10:03.933**	**41SW3G**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,575,267:79:0**	
522	**96**	**233**	**19:10:13.933**	**41SW3H**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,575,268:03:0**	
523	**96**	**233**	**19:10:23.933**	**41SW3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,575,268:18:0**	
524	**96**	**233**	**19:10:33.933**	**41SW3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,575,268:33:0**	
525	**96**	**233**	**19:10:43.933**	**41SW3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,575,268:48:0**	
526	**96**	**233**	**19:10:53.933**	**41SW3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,575,268:63:0**	
527	96	233	23:30:08.600	488CM6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,575,525:08:0	
528	96	234	00:34:08.600	488CM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,575,588:35:0	
529	96	234	01:14:01.933	488CM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,575,627:76:0	
530	96	234	01:44:00.600	488CM6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,575,657:44:0	
531	96	234	03:04:59.933	41ST99A	**POWER**	**PWR MODE change**	**Change to Playback Mode**	4O0	4	0	3,575,737:53:0	
532	**96**	**234**	**03:05:03.933**	**41ST3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,575,737:59:0**	
533	**96**	**234**	**03:05:13.933**	**41ST3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,575,737:74:0**	
534	**96**	**234**	**03:05:23.933**	**41ST3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,575,737:89:0**	
535	**96**	**234**	**03:05:33.933**	**41ST3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,575,738:13:0**	
536	**96**	**234**	**03:07:43.933**	**41ST3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,575,740:26:0**	
537	**96**	**234**	**03:07:53.933**	**41ST3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,575,740:41:0**	
538	96	234	03:15:03.933	20UQ4A	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,575,747:49:0	
539	96	234	03:16:32.600	176TB6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,575,749:00:0	
540	96	234	04:37:20.600	488CM6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,575,828:83:0	
541	96	234	05:39:12.600	488CN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,575,890:09:0	
542	96	234	08:43:13.933	488CN6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,576,072:09:0	
543	96	234	08:56:52.600	488CN6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,576,085:54:0	
544	96	234	12:11:25.266	176UC6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,576,278:00:0	
545	96	234	12:14:27.266	176KB6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4O0	4	0	3,576,281:00:0	
546	96	234	12:18:28.600	165QC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,576,284:89:0	
547	96	234	12:18:29.266	165QC4B	7SCAN	NORM,175.771999,	Check S/P Position	4O0	4	0	3,576,284:90:0	
548	96	234	12:53:51.933	165QD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,576,319:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	96	234	12:53:52.600	165QD4B	7SCAN	NORM,175.693998,	Check S/P Position	4O0	4	0	3,576,319:90:0	
550	96	234	13:33:03.933	20UU4A	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,576,358:68:0	
551	96	234	13:34:19.933	176UD6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,576,360:00:0	
552	96	234	14:36:48.600	488CO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,576,421:72:0	
553	96	234	15:36:32.600	488CO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,576,480:79:0	
554	96	234	16:13:43.933	488CO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,576,517:59:0	
555	96	234	16:21:20.600	488CO6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,576,525:16:0	
556	96	234	16:33:14.600	488CO6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,576,536:86:0	
557	96	234	16:53:20.600	488CP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,576,556:75:0	
558	96	234	23:25:52.533	488CQ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,576,945:04:0	
559	96	234	23:57:52.533	488CQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,576,976:63:0	
560	96	235	01:23:12.533	488CQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,577,061:08:0	
561	96	235	05:32:48.533	488CR6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,577,307:86:0	
562	96	235	08:01:29.866	176UE6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,577,455:00:0	
563	96	235	08:04:31.866	176KC6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4O0	4	0	3,577,458:00:0	
564	96	235	08:08:33.200	165QE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,577,461:89:0	
565	96	235	08:08:33.866	165QE4B	7SCAN	NORM,170.867998,	Check S/P Position	4O0	4	0	3,577,461:90:0	
566	96	235	08:36:51.866	165QF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,577,489:89:0	
567	96	235	08:36:52.533	165QF4B	7SCAN	NORM,170.844999,	Check S/P Position	4O0	4	0	3,577,489:90:0	
568	96	235	09:22:03.866	20UV4A	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,577,534:62:0	
569	96	235	09:23:23.866	176UF6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,577,536:00:0	
570	96	235	14:36:48.533	488CS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,577,845:88:0	
571	96	235	15:36:32.533	488CS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,577,905:04:0	
572	96	235	16:03:21.200	488CS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,577,931:51:0	
573	96	235	16:10:40.533	488CS6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,577,938:73:0	
574	96	235	16:23:09.866	488CS6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,577,951:14:0	
575	96	235	16:42:40.533	488CT6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,577,970:41:0	
576	96	235	17:14:40.533	488CT6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,578,002:09:0	
577	96	235	23:21:36.466	488CU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,578,365:00:0	
578	96	235	23:42:03.800	488CU6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,578,385:21:0	
579	96	235	23:59:08.466	488CU6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,578,402:11:0	
580	96	236	00:10:40.466	488CU6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,578,413:48:0	
581	96	236	01:08:16.466	488CU6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,578,470:45:0	
582	96	236	05:32:48.466	488CV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,578,732:11:0	
583	96	236	12:59:59.800	418PD6A	6BUFHI	8	MUB Buffer high water	4O0	4	0	3,579,174:36:0	
584	96	236	14:21:52.466	488CW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,579,255:34:0	
585	96	236	15:35:16.466	488CW6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,579,327:88:0	
586	96	236	15:36:32.466	488CW6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,579,329:20:0	
587	96	236	16:34:06.466	488CW6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,579,386:14:0	
588	96	236	17:21:04.466	488CW6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,579,432:55:0	
589	96	236	17:53:04.466	488CX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,579,464:23:0	
590	96	236	17:54:16.466	488CX6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,579,465:40:0	
591	96	236	18:24:14.466	488CX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,579,495:07:0	
592	96	236	19:59:59.800	418PE6A	6BUFHI	9	MUB Buffer high water	4O0	4	0	3,579,589:71:0	
593	96	236	20:00:13.133	176SB6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,579,590:00:0	
594	96	236	22:02:03.800	20UK4A	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,579,710:46:0	
595	96	236	22:03:34.466	176SE6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,579,712:00:0	
596	96	236	22:51:44.466	488CX6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,579,759:58:0	
597	96	236	23:23:44.466	488CX6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,579,791:26:0	
598	96	236	23:55:44.466	488CY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,579,822:85:0	
599	96	237	00:34:18.466	488CY6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,579,861:07:0	
600	96	237	01:01:36.466	488CY6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,579,888:07:0	
601	96	237	01:08:16.466	488CY6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,579,894:61:0	
602	96	237	05:32:48.400	488CY6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	3,580,156:27:0	
603	96	237	09:22:01.733	176UG6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,580,383:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	96	237	09:25:03.733	176KD6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4O0	4	0	3,580,386:00:0	
605	96	237	09:30:05.733	165QG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,580,390:89:0	
606	96	237	09:30:06.400	165QG4B	7SCAN	NORM,173.556999,	Check S/P Position	4O0	4	0	3,580,390:90:0	
607	96	237	10:04:28.400	165QH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,580,424:89:0	
608	96	237	10:04:29.066	165QH4B	7SCAN	NORM,173.634998,	Check S/P Position	4O0	4	0	3,580,424:90:0	
609	96	237	10:44:03.733	20UW4A	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,580,464:12:0	
610	96	237	10:45:57.066	176UH6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,580,466:00:0	
611	96	240	18:00:00.266	474AA416A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4O0	4	0	3,585,167:74:0	
612	96	240	18:02:00.266	474AA416A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	3,585,169:72:0	
613	96	240	18:06:14.266	474AA416A4E	7BURN	,201.478298,25.5	ALERT -- Thruster fire	4O0	4	0	3,585,173:89:0	
614	96	240	18:27:31.533	474AA416A4G	7BURN	,201.478298,25.5	ALERT -- Thruster fire	4O0	4	0	3,585,195:03:0	
615	96	240	19:33:30.200	474AA416A4N	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	3,585,260:26:0	
616	96	240	19:50:04.200	20CA4A	7SCAN	NORM,188.699999,	Check S/P Position	4O0	4	0	3,585,276:61:0	
617	96	244	09:59:55.333		DMS:	: READY	RDY, TRACK 3, FWD, TIC 290.00 +/-	4O0	4	0	3,590,389:65:0	
618	96	244	10:00:00.000		DMS:	: READY	RDY, TRACK 1, FWD, TIC 5048.00 +/-	4O0	4	0	3,590,389:72:0	
619	96	244	10:13:12.000	488AA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,590,402:77:0	
620	96	244	10:30:00.666	41U99A	**POWER**	**PWR MODE change**	**Change to Playback Mode**	4O0	4	0	3,590,419:43:0	
621	**96**	**244**	**10:30:04.666**	**41U3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,590,419:49:0**	
622	**96**	**244**	**10:30:14.666**	**41U3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,590,419:64:0**	
623	**96**	**244**	**10:30:24.666**	**41U3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,590,419:79:0**	
624	**96**	**244**	**10:30:34.666**	**41U3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,590,420:03:0**	
625	**96**	**244**	**10:32:44.666**	**41U3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,590,422:16:0**	
626	**96**	**244**	**10:32:54.666**	**41U3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,590,422:31:0**	
627	96	244	10:41:00.666	481UB4A	7VECT		Inert vect update UTC	4O0	4	0	3,590,430:32:0	
628	96	244	10:44:00.000	432WE431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	3,590,433:28:0	
629	**96**	**244**	**10:44:00.666**	**432WE6B**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECTR/T ENG SELECT**	**4O0**	**4**	**0**	**3,590,433:29:0**	
630	96	244	10:44:00.666	432WE6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,590,433:29:0	
631	96	244	10:44:40.666	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,590,433:89:0	
632	96	244	10:49:03.333	20ZM6A	6EUVON			4O0	4	0	3,590,438:28:0	
633	96	244	10:49:45.333	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	3,590,439:00:0	
634	96	244	11:12:02.000	20ZS6A	6CKSUM	MAG,4040,46F0		4O0	4	0	3,590,461:03:0	
635	**96**	**244**	**11:12:42.000**	**20ZS6B**	**6MROH**	**12,2282,0,A2**	**read from LLM1A12,2282,0,A2**	**4O0**	**4**	**0**	**3,590,461:63:0**	
636	**96**	**244**	**11:12:42.000**	**20ZS6B**	**6MROH**	**12**	**read from LLM1A12,2282,0,A2**	**4O0**	**4**	**0**	**3,590,461:63:0**	
637	**96**	**244**	**12:00:10.666**	**31B6B,**	**6MROH**	**12**	**read from LLM1A12,2282,0,A2**	**4O0**	**4**	**0**	**3,590,508:59:0**	
638	**96**	**244**	**12:07:52.666**	**31B6D,**	**6MROH**	**12**	**read from LLM1A12,2282,0,A2**	**4O0**	**4**	**0**	**3,590,516:24:0**	
639	**96**	**244**	**13:16:00.666**	**20ZU3Q**	**37HR**	**1**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,590,583:59:0**	
640	**96**	**244**	**13:16:02.666**	**20ZU3S**	**37HR**	**2**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,590,583:62:0**	
641	**96**	**244**	**13:16:28.666**	**20ZU3R**	**37A**	**1**	**NIMS Power ON**	**260**	**4**	**0**	**3,590,584:10:0**	
642	**96**	**244**	**13:16:30.666**	**20ZU3T**	**37A**	**2**	**NIMS Power ON**	**260**	**4**	**0**	**3,590,584:13:0**	
643	**96**	**244**	**13:18:30.000**	**20ZU4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,590,586:10:0**	
644	**96**	**244**	**13:21:04.666**	**20EB5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R0**	**4**	**0**	**3,590,588:60:0**	
645	**96**	**244**	**13:22:05.333**	**20EB5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R0**	**4**	**0**	**3,590,589:60:0**	
646	**96**	**244**	**13:23:06.000**	**20EB6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R0**	**4**	**0**	**3,590,590:60:0**	
647	**96**	**244**	**13:24:06.666**	**20EB6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R0**	**4**	**0**	**3,590,591:60:0**	
648	**96**	**244**	**13:25:07.333**	**20EB6C**	**6CKSUM**	**NIMS**	**NIMS,1000,14B3**	**2R0**	**4**	**0**	**3,590,592:60:0**	
649	**96**	**244**	**13:26:08.000**	**20EB6D**	**6MROH**	**12**	**read from LLM1A12,2282,0,A2**	**2R0**	**4**	**0**	**3,590,593:60:0**	
650	**96**	**244**	**13:26:08.000**	**20EB6D**	**6MROH**	**12,2282,0,A2**	**read from LLM1A12,2282,0,A2**	**2R0**	**4**	**0**	**3,590,593:60:0**	
651	**96**	**244**	**13:32:48.000**	**20EB6E**	**6MROH**	**37,14BC,1,A2**	**read from NIMS37,14BC,1,A2**	**2R0**	**4**	**0**	**3,590,600:23:0**	
652	**96**	**244**	**13:46:08.000**	**20EB6F**	**6MROH**	**37,1598,1,A2**	**read from NIMS37,1598,1,A2**	**2R0**	**4**	**0**	**3,590,613:40:0**	
653	**96**	**244**	**13:56:28.000**	**20EB5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,590,623:60:0**	
654	**96**	**244**	**13:57:28.666**	**20EB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,590,624:60:0**	
655	**96**	**244**	**13:58:29.333**	**20EB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,590,625:60:0**	
656	**96**	**244**	**14:00:30.666**	**20EC3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**2R0**	**4**	**0**	**3,590,627:60:0**	
657	**96**	**244**	**14:00:37.333**	**20EC3B**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**2R0**	**4**	**0**	**3,590,627:70:0**	
658	**96**	**244**	**14:00:44.000**	**20EC3C**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**2R0**	**4**	**0**	**3,590,627:80:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	**96**	**244**	**14:00:50.666**	**20EC3D**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**2R0**	**4**	**0**	**3,590,627:90:0**	
660	**96**	**244**	**14:00:57.333**	**20EC3E**	**40T2**	**1**	**PCT Heater 2 ON**	**2R0**	**4**	**0**	**3,590,628:09:0**	
661	**96**	**244**	**14:01:04.000**	**20EC3F**	**40T2**	**2**	**PCT Heater 2 ON**	**2R0**	**4**	**0**	**3,590,628:19:0**	
662	96	244	18:02:31.333	488AB6A	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2R0	4	0	3,590,867:01:0	
663	96	245	00:04:29.333		DMS:	: *SLEW-TIC	P7, TRACK *2, *REV, TIC 5048.00 +/-	2R0	4	0	3,591,225:00:0	
664	96	245	00:04:29.333	465WA6A	6DMST	5000	DMS Slew to TIC	2R0	4	0	3,591,225:00:0	
665	96	245	05:58:10.666	465WB6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	2R0	4	0	3,591,574:73:0	
666	96	245	06:24:02.666	465WB6B	6DMSC	RDY,2	DMS Control Tape stop	2R0	4	0	3,591,600:35:0	
667	96	245	08:19:49.333	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	2R0	4	0	3,591,714:81:0	
668	96	245	08:29:50.666	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	2R0	4	0	3,591,724:73:0	
669	96	245	09:01:46.666	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	2R0	4	0	3,591,756:35:0	
670	96	245	09:17:22.000	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	2R0	4	0	3,591,771:73:0	
671	96	245	09:49:32.666	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2R0	4	0	3,591,803:57:0	
672	96	245	10:21:36.000	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	2R0	4	0	3,591,835:30:0	
673	96	245	10:36:14.000	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2R0	4	0	3,591,849:73:0	
674	96	245	11:08:24.000	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2R0	4	0	3,591,881:56:0	
675	96	245	11:09:31.333	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	2R0	4	0	3,591,882:66:0	
676	96	245	11:23:57.333	465WI6A	6DMSC	RDY,2	DMS Control Tape stop	2R0	4	0	3,591,897:00:0	
677	96	245	11:24:51.333	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	2R0	4	0	3,591,897:81:0	
678	96	245	12:06:15.333	488AC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	3,591,938:76:0	
679	96	245	14:05:43.333	488AC6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	3,592,056:90:0	
680	**96**	**245**	**15:59:59.933**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**2R0**	**4**	**0**	**3,592,170:01:0**	
681	**96**	**245**	**15:59:59.933**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**2R0**	**4**	**0**	**3,592,170:01:0**	
682	**96**	**245**	**15:59:59.933**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,170:01:0**	
683	**96**	**245**	**15:59:59.933**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,170:01:0**	
684	**96**	**245**	**15:59:59.933**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,170:01:0**	
685	**96**	**245**	**15:59:59.933**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,170:01:0**	
686	**96**	**245**	**15:59:59.933**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,170:01:0**	
687	**96**	**245**	**15:59:59.933**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**2R0**	**4**	**0**	**3,592,170:01:0**	
688	**96**	**245**	**15:59:59.933**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,170:01:0**	
689	96	245	15:59:59.933		DMS:	: RUNNING	P7, TRACK 2, REV, TIC 162.17 +/- 1	2R0	4	0	3,592,170:01:0	

G1JNRTJBAR01

OAPEL: G1JNRTJBAR01 ALIAS: G1JNRTJBAR01
EXT: R PSID: DL
SCLK1: 03496234:00:0 SCLK2: 03496234:12:0
SCET1: 1996-178/07:18:05.666 SCET2: 1996-178/07:18:13.666
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: 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

G1CNGLOBAL01

```
OAPEL:  G1CNGLOBAL01            ALIAS:  G1CNGLOBAL01
EXT:    A                       PSID:   FA
SCLK1:  03496552:00:0           SCLK2:  03496553:28:0
SCET1:    96-178/12:39:37.666   SCET2:    96-178/12:40:57.666
TARGET: CALLISTO                PARTITION: 1

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

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

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

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

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00060	0,0000,0000,0110,0000
1	1FFFF	1,1111,1111,1111,1111
2	00060	0,0000,0000,0110,0000
3	1FFFF	1,1111,1111,1111,1111
4	00060	0,0000,0000,0110,0000
5	1FFFF	1,1111,1111,1111,1111
6	00060	0,0000,0000,0110,0000
7	1FFFF	1,1111,1111,1111,1111
8	00060	0,0000,0000,0110,0000
9	1FFFF	1,1111,1111,1111,1111
10	00060	0,0000,0000,0110,0000
11	1FFFF	1,1111,1111,1111,1111
12	00060	0,0000,0000,0110,0000
13	1FFFF	1,1111,1111,1111,1111
14	00060	0,0000,0000,0110,0000
15	1FFFF	1,1111,1111,1111,1111
16	00060	0,0000,0000,0110,0000
17	1FFFF	1,1111,1111,1111,1111
18	00060	0,0000,0000,0110,0000
19	1FFFF	1,1111,1111,1111,1111
20	00060	0,0000,0000,0110,0000
21	1FFFF	1,1111,1111,1111,1111
22	00060	0,0000,0000,0110,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G1JNGRS04102

```
OAPEL:  G1JNGRS04102            ALIAS:  G1JNGRS04102
EXT:    A                       PSID:   DE
SCLK1:  03496645:00:0           SCLK2:  03496655:61:0
SCET1:    96-178/14:13:39.666   SCET2:    96-178/14:24:27.666
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   23                  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:    0507023001          05  07  023  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	18900	1,1000,1001,0000,0000
3	00902	0,0000,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

G1JNGRS04103

```
OAPEL:  G1JNGRS04103            ALIAS:  G1JNGRS04103
EXT:    A                       PSID:   DG
SCLK1:  03496706:00:0           SCLK2:  03496711:72:0
SCET1:    96-178/15:15:20.333   SCET2:    96-178/15:21:12.333
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   23                  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:    0507023001          05  07  023  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	18900	1,1000,1001,0000,0000
3	00902	0,0000,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

G1GNGLOBAL01

```
OAPEL:  G1GNGLOBAL01            ALIAS:  G1GNGLOBAL01
EXT:    A                       PSID:   DI
SCLK1:  03497075:00:0           SCLK2:  03497100:02:0
SCET1:    96-178/21:28:26.333   SCET2:    96-178/21:53:44.333
TARGET: GANYMEDE                PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  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	01800	0,0001,1000,0000,0000
1	1FFFF	1,1111,1111,1111,1111
2	01800	0,0001,1000,0000,0000
3	1FFFF	1,1111,1111,1111,1111
4	01800	0,0001,1000,0000,0000
5	1FFFF	1,1111,1111,1111,1111
6	01800	0,0001,1000,0000,0000
7	1FFFF	1,1111,1111,1111,1111
8	01800	0,0001,1000,0000,0000
9	1FFFF	1,1111,1111,1111,1111
10	01800	0,0001,1000,0000,0000
11	1FFFF	1,1111,1111,1111,1111
12	01800	0,0001,1000,0000,0000
13	1FFFF	1,1111,1111,1111,1111
14	01800	0,0001,1000,0000,0000
15	1FFFF	1,1111,1111,1111,1111
16	01800	0,0001,1000,0000,0000
17	1FFFF	1,1111,1111,1111,1111
18	01800	0,0001,1000,0000,0000
19	1FFFF	1,1111,1111,1111,1111
20	01800	0,0001,1000,0000,0000
21	1FFFF	1,1111,1111,1111,1111
22	01800	0,0001,1000,0000,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G1GNGLOBAL02

```
OAPEL:  G1GNGLOBAL02            ALIAS:  G1GNGLOBAL02
EXT:    A                       PSID:   KA
SCLK1:  03497122:49:0           SCLK2:  03497134:56:0
SCET1:    96-178/22:16:30.333   SCET2:    96-178/22:28:43.000
TARGET: GANYMEDE                PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  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	01800	0,0001,1000,0000,0000
1	1FFFF	1,1111,1111,1111,1111
2	01800	0,0001,1000,0000,0000
3	1FFFF	1,1111,1111,1111,1111
4	01800	0,0001,1000,0000,0000
5	1FFFF	1,1111,1111,1111,1111
6	01800	0,0001,1000,0000,0000
7	1FFFF	1,1111,1111,1111,1111
8	01800	0,0001,1000,0000,0000
9	1FFFF	1,1111,1111,1111,1111
10	01800	0,0001,1000,0000,0000
11	1FFFF	1,1111,1111,1111,1111
12	01800	0,0001,1000,0000,0000
13	1FFFF	1,1111,1111,1111,1111
14	01800	0,0001,1000,0000,0000
15	1FFFF	1,1111,1111,1111,1111
16	01800	0,0001,1000,0000,0000
17	1FFFF	1,1111,1111,1111,1111
18	01800	0,0001,1000,0000,0000
19	1FFFF	1,1111,1111,1111,1111
20	01800	0,0001,1000,0000,0000
21	1FFFF	1,1111,1111,1111,1111
22	01800	0,0001,1000,0000,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G1JNGRS02501

```
OAPEL:  G1JNGRS02501            ALIAS:  G1JNGRS02501
EXT:    A                       PSID:   FV
SCLK1:  03497263:00:0           SCLK2:  03497273:80:0
SCET1:    96-179/00:38:31.666   SCET2:    96-179/00:49:31.666
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   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	00000	0,0000,0000,0000,0000
1	11D80	1,0001,1101,1000,0000
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

G1GNMEMPIS01

OAPEL: G1GNMEMPIS01 ALIAS: G1GNMEMPIS01
EXT: A PSID: DK
SCLK1: 03497417:00:0 SCLK2: 03497425:00:0
SCET1: 96-179/03:14:14.333 SCET2: 96-179/03:22:19.666
TARGET: GANYMEDE PARTITION: 1

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

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

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

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00018	0,0000,0000,0001,1000
1	1FFFF	1,1111,1111,1111,1111
2	00018	0,0000,0000,0001,1000
3	1FFFF	1,1111,1111,1111,1111
4	00018	0,0000,0000,0001,1000
5	1FFFF	1,1111,1111,1111,1111
6	00018	0,0000,0000,0001,1000
7	1FFFF	1,1111,1111,1111,1111
8	00018	0,0000,0000,0001,1000
9	1FFFF	1,1111,1111,1111,1111
10	00018	0,0000,0000,0001,1000
11	1FFFF	1,1111,1111,1111,1111
12	00018	0,0000,0000,0001,1000
13	1FFFF	1,1111,1111,1111,1111
14	00018	0,0000,0000,0001,1000
15	1FFFF	1,1111,1111,1111,1111
16	00018	0,0000,0000,0001,1000
17	1FFFF	1,1111,1111,1111,1111
18	00018	0,0000,0000,0001,1000
19	1FFFF	1,1111,1111,1111,1111
20	00018	0,0000,0000,0001,1000
21	1FFFF	1,1111,1111,1111,1111
22	00018	0,0000,0000,0001,1000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G1GNAMON__01

OAPEL: G1GNAMON__01 ALIAS: G1GNAMON__01
EXT: A PSID: DN
SCLK1: 03497524:00:0 SCLK2: 03497528:76:0
SCET1: 96-179/05:02:25.600 SCET2: 96-179/05:07:19.600
TARGET: GANYMEDE PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 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	06000	0,0110,0000,0000,0000
1	1FFFF	1,1111,1111,1111,1111
2	06000	0,0110,0000,0000,0000
3	1FFFF	1,1111,1111,1111,1111
4	06000	0,0110,0000,0000,0000
5	1FFFF	1,1111,1111,1111,1111
6	06000	0,0110,0000,0000,0000
7	1FFFF	1,1111,1111,1111,1111
8	06000	0,0110,0000,0000,0000
9	1FFFF	1,1111,1111,1111,1111
10	06000	0,0110,0000,0000,0000
11	1FFFF	1,1111,1111,1111,1111
12	06000	0,0110,0000,0000,0000
13	1FFFF	1,1111,1111,1111,1111
14	06000	0,0110,0000,0000,0000
15	1FFFF	1,1111,1111,1111,1111
16	06000	0,0110,0000,0000,0000
17	1FFFF	1,1111,1111,1111,1111
18	06000	0,0110,0000,0000,0000
19	1FFFF	1,1111,1111,1111,1111
20	06000	0,0110,0000,0000,0000
21	1FFFF	1,1111,1111,1111,1111
22	06000	0,0110,0000,0000,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G1GNPTAH__01

OAPEL: G1GNPTAH__01 ALIAS: G1GNPTAH__01
EXT: A PSID: DO
SCLK1: 03497533:00:0 SCLK2: 03497536:76:0
SCET1: 96-179/05:11:31.600 SCET2: 96-179/05:15:24.933
TARGET: GANYMEDE PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 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	00C00	0,0000,1100,0000,0000
1	1FFFF	1,1111,1111,1111,1111
2	00C00	0,0000,1100,0000,0000
3	1FFFF	1,1111,1111,1111,1111
4	00C00	0,0000,1100,0000,0000
5	1FFFF	1,1111,1111,1111,1111
6	00C00	0,0000,1100,0000,0000
7	1FFFF	1,1111,1111,1111,1111
8	00C00	0,0000,1100,0000,0000
9	1FFFF	1,1111,1111,1111,1111
10	00C00	0,0000,1100,0000,0000
11	1FFFF	1,1111,1111,1111,1111
12	00C00	0,0000,1100,0000,0000
13	1FFFF	1,1111,1111,1111,1111
14	00C00	0,0000,1100,0000,0000
15	1FFFF	1,1111,1111,1111,1111
16	00C00	0,0000,1100,0000,0000
17	1FFFF	1,1111,1111,1111,1111
18	00C00	0,0000,1100,0000,0000
19	1FFFF	1,1111,1111,1111,1111
20	00C00	0,0000,1100,0000,0000
21	1FFFF	1,1111,1111,1111,1111
22	00C00	0,0000,1100,0000,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G1GNNIPPUR01

OAPEL: G1GNNIPPUR01 ALIAS: G1GNNIPPUR01
EXT: A PSID: DP
SCLK1: 03497542:00:0 SCLK2: 03497552:87:0
SCET1: 96-179/05:20:37.600 SCET2: 96-179/05:31:42.933
TARGET: GANYMEDE PARTITION: 1

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

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

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

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00600	0,0000,0110,0000,0000
1	1FFFF	1,1111,1111,1111,1111
2	00600	0,0000,0110,0000,0000
3	1FFFF	1,1111,1111,1111,1111
4	00600	0,0000,0110,0000,0000
5	1FFFF	1,1111,1111,1111,1111
6	00600	0,0000,0110,0000,0000
7	1FFFF	1,1111,1111,1111,1111
8	00600	0,0000,0110,0000,0000
9	1FFFF	1,1111,1111,1111,1111
10	00600	0,0000,0110,0000,0000
11	1FFFF	1,1111,1111,1111,1111
12	00600	0,0000,0110,0000,0000
13	1FFFF	1,1111,1111,1111,1111
14	00600	0,0000,0110,0000,0000
15	1FFFF	1,1111,1111,1111,1111
16	00600	0,0000,0110,0000,0000
17	1FFFF	1,1111,1111,1111,1111
18	00600	0,0000,0110,0000,0000
19	1FFFF	1,1111,1111,1111,1111
20	00600	0,0000,0110,0000,0000
21	1FFFF	1,1111,1111,1111,1111
22	00600	0,0000,0110,0000,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G1GNMIRRAY01

OAPEL: G1GNMIRRAY01 ALIAS: G1GNMIRRAY01
EXT: A PSID: DS
SCLK1: 03497576:00:0 SCLK2: 03497584:71:0
SCET1: 96-179/05:55:00.266 SCET2: 96-179/06:03:53.600
TARGET: GANYMEDE PARTITION: 1

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

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

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

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00060	0,0000,0000,0110,0000
1	1FFFF	1,1111,1111,1111,1111
2	00060	0,0000,0000,0110,0000
3	1FFFF	1,1111,1111,1111,1111
4	00060	0,0000,0000,0110,0000
5	1FFFF	1,1111,1111,1111,1111
6	00060	0,0000,0000,0110,0000
7	1FFFF	1,1111,1111,1111,1111
8	00060	0,0000,0000,0110,0000
9	1FFFF	1,1111,1111,1111,1111
10	00060	0,0000,0000,0110,0000
11	1FFFF	1,1111,1111,1111,1111
12	00060	0,0000,0000,0110,0000
13	1FFFF	1,1111,1111,1111,1111
14	00060	0,0000,0000,0110,0000
15	1FFFF	1,1111,1111,1111,1111
16	00060	0,0000,0000,0110,0000
17	1FFFF	1,1111,1111,1111,1111
18	00060	0,0000,0000,0110,0000
19	1FFFF	1,1111,1111,1111,1111
20	00060	0,0000,0000,0110,0000
21	1FFFF	1,1111,1111,1111,1111
22	00060	0,0000,0000,0110,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G1GNURUSUL01

```
OAPEL:  G1GNURUSUL01            ALIAS:  G1GNURUSUL01
EXT:    A                       PSID:   IM
SCLK1:  03497589:41:0           SCLK2:  03497589:85:0
SCET1:    96-179/06:08:36.933   SCET2:    96-179/06:09:05.600
TARGET: GANYMEDE                PARTITION: 1

MODE:      5                    GAIN:      3
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 0 4 6          PTAB_B:    1 1 0 0 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:  102                  TLMFMT:    IM4

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

WETGID:    0507102001          05  07  102  001
WTGRP_SIZ:  7
```

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	00000	0,0000,0000,0000,0000

G1GNGREGIO01

```
OAPEL:  G1GNGREGIO01            ALIAS:  G1GNGREGIO01
EXT:    A                       PSID:   IN
SCLK1:  03497590:11:0           SCLK2:  03497590:60:0
SCET1:    96-179/06:09:16.933   SCET2:    96-179/06:09:50.266
TARGET: GANYMEDE                PARTITION: 1

MODE:      5                    GAIN:      3
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 0 4 6          PTAB_B:    1 1 0 0 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:  102                  TLMFMT:    IM4

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

WETGID:    0507102001          05  07  102  001
WTGRP_SIZ:  7
                        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             00000    0,0000,0000,0000,0000
```

G1GNMEMPHI01

```
OAPEL:  G1GNMEMPHI01            ALIAS:  G1GNMEMPHI01
EXT:    A                       PSID:   IX
SCLK1:  03497601:06:0           SCLK2:  03497601:72:0
SCET1:    96-179/06:20:20.933   SCET2:    96-179/06:21:05.600
TARGET: GANYMEDE                PARTITION: 1

MODE:      5                    GAIN:      3
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 0 4 6          PTAB_B:    1 1 0 0 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:  102                  TLMFMT:    HIS

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

WETGID:    0507102001          05  07  102  001
WTGRP_SIZ:  7
```

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	00000	0,0000,0000,0000,0000

G1GNLIMBSC02

```
OAPEL:  G1GNLIMBSC02            ALIAS:  G1GNLIMBSC02
EXT:    A                       PSID:   CY
SCLK1:  03497605:00:0           SCLK2:  03497608:00:0
SCET1:    96-179/06:24:19.600   SCET2:    96-179/06:27:21.600
TARGET: GANYMEDE                PARTITION: 1

MODE:      0                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 0 0 1 012          PTAB_B:    1 0 0 1 012
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:   17                  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:    0713017001          07  13  017  001
WTGRP_SIZ: 13
```

EDIT TABLE

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

G1JNGRS00501

```
OAPEL:  G1JNGRS00501            ALIAS:  G1JNGRS00501
EXT:    A                       PSID:   DW
SCLK1:  03497898:00:0           SCLK2:  03497909:45:0
SCET1:    96-179/11:20:34.933   SCET2:    96-179/11:32:12.933
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   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	00000	0,0000,0000,0000,0000
1	11D80	1,0001,1101,1000,0000
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

G1JNHOTMAP01

OAPEL: G1JNHOTMAP01 ALIAS: G1JNHOTMAP01
EXT: A PSID: DB
SCLK1: 03498572:00:0 SCLK2: 03498615:18:0
SCET1: 96-179/22:42:04.266 SCET2: 96-179/23:25:44.933
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 238 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: 0326238001 03 26 238 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	19E27	1,1001,1110,0010,0111
1	19E27	1,1001,1110,0010,0111
2	19E27	1,1001,1110,0010,0111
3	19E27	1,1001,1110,0010,0111
4	19C27	1,1001,1100,0010,0111
5	19C27	1,1001,1100,0010,0111
6	19C27	1,1001,1100,0010,0111
7	19C27	1,1001,1100,0010,0111
8	1BC27	1,1011,1100,0010,0111
9	1BC27	1,1011,1100,0010,0111
10	1BC27	1,1011,1100,0010,0111
11	1BC27	1,1011,1100,0010,0111
12	1BC27	1,1011,1100,0010,0111
13	1BC27	1,1011,1100,0010,0111
14	1BC27	1,1011,1100,0010,0111
15	1BC27	1,1011,1100,0010,0111
16	1BC27	1,1011,1100,0010,0111
17	1BC27	1,1011,1100,0010,0111
18	1BC67	1,1011,1100,0110,0111
19	1BC67	1,1011,1100,0110,0111
20	13C67	1,0011,1100,0110,0111
21	13C67	1,0011,1100,0110,0111
22	13C67	1,0011,1100,0110,0111
23	13C67	1,0011,1100,0110,0111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G1ENNHILAT01

OAPEL: G1ENNHILAT01 ALIAS: G1ENNHILAT01
EXT: A PSID: EC
SCLK1: 03498650:00:0 SCLK2: 03498659:90:0
SCET1: 96-180/00:00:56.266 SCET2: 96-180/00:11:02.266
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: 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	00C00	0,0000,1100,0000,0000
1	1FFFF	1,1111,1111,1111,1111
2	00C00	0,0000,1100,0000,0000
3	1FFFF	1,1111,1111,1111,1111
4	00C00	0,0000,1100,0000,0000
5	1FFFF	1,1111,1111,1111,1111
6	00C00	0,0000,1100,0000,0000
7	1FFFF	1,1111,1111,1111,1111
8	00C00	0,0000,1100,0000,0000
9	1FFFF	1,1111,1111,1111,1111
10	00C00	0,0000,1100,0000,0000
11	1FFFF	1,1111,1111,1111,1111
12	00C00	0,0000,1100,0000,0000
13	1FFFF	1,1111,1111,1111,1111
14	00C00	0,0000,1100,0000,0000
15	1FFFF	1,1111,1111,1111,1111
16	00C00	0,0000,1100,0000,0000
17	1FFFF	1,1111,1111,1111,1111
18	00C00	0,0000,1100,0000,0000
19	1FFFF	1,1111,1111,1111,1111
20	00C00	0,0000,1100,0000,0000
21	1FFFF	1,1111,1111,1111,1111
22	00C00	0,0000,1100,0000,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G1ENNHILAT01

```
OAPEL:  G1ENNHILAT01            ALIAS:  G1ENNHILAT01
EXT:    B                       PSID:   EC
SCLK1:  03498660:00:0           SCLK2:  03498670:90:0
SCET1:    96-180/00:11:02.933   SCET2:    96-180/00:22:09.600
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:  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	00C00	0,0000,1100,0000,0000
1	1FFFF	1,1111,1111,1111,1111
2	00C00	0,0000,1100,0000,0000
3	1FFFF	1,1111,1111,1111,1111
4	00C00	0,0000,1100,0000,0000
5	1FFFF	1,1111,1111,1111,1111
6	00C00	0,0000,1100,0000,0000
7	1FFFF	1,1111,1111,1111,1111
8	00C00	0,0000,1100,0000,0000
9	1FFFF	1,1111,1111,1111,1111
10	00C00	0,0000,1100,0000,0000
11	1FFFF	1,1111,1111,1111,1111
12	00C00	0,0000,1100,0000,0000
13	1FFFF	1,1111,1111,1111,1111
14	00C00	0,0000,1100,0000,0000
15	1FFFF	1,1111,1111,1111,1111
16	00C00	0,0000,1100,0000,0000
17	1FFFF	1,1111,1111,1111,1111
18	00C00	0,0000,1100,0000,0000
19	1FFFF	1,1111,1111,1111,1111
20	00C00	0,0000,1100,0000,0000
21	1FFFF	1,1111,1111,1111,1111
22	00C00	0,0000,1100,0000,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G1ENGLOBAL01

```
OAPEL:  G1ENGLOBAL01              ALIAS:  G1ENGLOBAL01
EXT:    A                         PSID:   FD
SCLK1:  03498751:03:0             SCLK2:  03498751:42:0
SCET1:    96-180/01:43:05.600     SCET2:    96-180/01:43:31.600
TARGET: EUROPA                    PARTITION: 1

MODE:      7                      GAIN:      2
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:    0

MB_DOWN:   00000                  MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                    EST_COMPV: 0.3
RATE_CON1: 00000                  RATE_CON2: 65525
NWAVETOT:   17                    TLMFMT:    IM4

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

WETGID:    0713017001          07  13  017  001
WTGRP_SIZ: 13
```

EDIT TABLE

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

G1INCHEMIS01

OAPEL: G1INCHEMIS01 ALIAS: G1INCHEMIS01
EXT: A PSID: EA
SCLK1: 03498838:00:0 SCLK2: 03498838:89:0
SCET1: 96-180/03:11:01.600 SCET2: 96-180/03:12:01.600
TARGET: IO PARTITION: 1

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

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

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

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

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

G1INTHRMAL01

```
OAPEL:  G1INTHRMAL01            ALIAS:  G1INTHRMAL01
EXT:    A                       PSID:   EB
SCLK1:  03498842:00:0           SCLK2:  03498842:10:0
SCET1:    96-180/03:15:04.266   SCET2:    96-180/03:15:10.933
TARGET: IO                      PARTITION: 1

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

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	1D555	1,1101,0101,0101,0101
1	1D555	1,1101,0101,0101,0101
2	1D555	1,1101,0101,0101,0101
3	1D555	1,1101,0101,0101,0101
4	1D555	1,1101,0101,0101,0101
5	1D555	1,1101,0101,0101,0101
6	1D555	1,1101,0101,0101,0101
7	1D555	1,1101,0101,0101,0101
8	1D555	1,1101,0101,0101,0101
9	1D555	1,1101,0101,0101,0101
10	1D555	1,1101,0101,0101,0101
11	1D555	1,1101,0101,0101,0101
12	00000	0,0000,0000,0000,0000

G1ENEUTERM01

```
OAPEL:  G1ENEUTERM01            ALIAS:  G1ESEUTERM01
EXT:    A                       PSID:   IW
SCLK1:  03498873:04:0           SCLK2:  03498873:15:0
SCET1:    96-180/03:46:28.266   SCET2:    96-180/03:46:35.600
TARGET: EUROPA                  PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   10                  TLMFMT:    IM4

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	1D555	1,1101,0101,0101,0101
1	1D555	1,1101,0101,0101,0101
2	1D555	1,1101,0101,0101,0101
3	1D555	1,1101,0101,0101,0101
4	1D555	1,1101,0101,0101,0101
5	1D555	1,1101,0101,0101,0101
6	1D555	1,1101,0101,0101,0101
7	1D555	1,1101,0101,0101,0101
8	1D555	1,1101,0101,0101,0101
9	1D555	1,1101,0101,0101,0101
10	1D555	1,1101,0101,0101,0101
11	1D555	1,1101,0101,0101,0101
12	00000	0,0000,0000,0000,0000

G1JNGRS09101

OAPEL: G1JNGRS09101 ALIAS: G1JNGRS09101
EXT: A PSID: ED
SCLK1: 03499068:00:0 SCLK2: 03499073:21:0
SCET1: 96-180/07:03:34.933 SCET2: 96-180/07:08:52.933
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 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	00000	0,0000,0000,0000,0000
1	11D80	1,0001,1101,1000,0000
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

G1JNGRS09102

```
OAPEL:  G1JNGRS09102            ALIAS:  G1JNGRS09102
EXT:    A                       PSID:   EE
SCLK1:  03499171:00:0           SCLK2:  03499173:44:0
SCET1:    96-180/08:47:43.533   SCET2:    96-180/08:50:14.200
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:   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	00000	0,0000,0000,0000,0000
1	11D80	1,0001,1101,1000,0000
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

G1INIOMON_05

```
OAPEL:  G1INIOMON_05            ALIAS:  G1INIOMON_05
EXT:    R                       PSID:   DH
SCLK1:  03499674:00:0           SCLK2:  03499674:12:0
SCET1:  1996-180/17:16:18.866   SCET2:  1996-180/17:16:26.866
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:   11000                MB_UP:     00011
COMP_FLAG: 0
EST_COMP:  0.0                  EST_COMPV: 0.0
RATE_CON1: 00000                RATE_CON2: 00000
NWAVETOT:  008                  TLMFMT:    RT

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

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

EDIT TABLE

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

G1INNSPEC_01

```
OAPEL:  G1INNSPEC_01            ALIAS:  G1INNSPEC_01
EXT:    A                       PSID:   ER
SCLK1:  03499677:00:0           SCLK2:  03499679:57:0
SCET1:    96-180/17:19:20.866   SCET2:    96-180/17:22:00.200
TARGET: IO                      PARTITION: 1

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

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

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

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

EDIT TABLE

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

G1INIOMON_07

```
OAPEL:  G1INIOMON_07            ALIAS:  G1INIOMON_07
EXT:    R                       PSID:   DX
SCLK1:  03500758:00:0           SCLK2:  03500758:12:0
SCET1:  1996-181/11:32:21.533   SCET2:  1996-181/11:32:29.533
TARGET: IO                      PARTITION: 1

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

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

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

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

EDIT TABLE

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

G1NNRCTRLT01

OAPEL: G1NNRCTRLT01 ALIAS: LSNNRCTRTA01
EXT: R PSID: XE
SCLK1: 03507941:00:0 SCLK2: 03507941:12:0
SCET1: 1996-186/12:35:09.867 SCET2: 1996-186/12:35:17.867
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

G1NNRCTRLT01

OAPEL: G1NNRCTRLT01 ALIAS: LSNNRCTRTA01
EXT: S PSID: XE
SCLK1: 03507947:00:0 SCLK2: 03507948:12:0
SCET1: 1996-186/12:41:13.867 SCET2: 1996-186/12:42:22.533
TARGET: CAL PARTITION: 1

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

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

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

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

G1NNRCTRLT01

OAPEL: G1NNRCTRLT01 ALIAS: LSNNRCTRTA01
EXT: T PSID: XE
SCLK1: 03507953:00:0 SCLK2: 03507953:12:0
SCET1: 1996-186/12:47:17.867 SCET2: 1996-186/12:47:25.867
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

G1NNNOPCAL01

```
OAPEL:  G1NNNOPCAL01            ALIAS:  G1NNNOPCAL01
EXT:    R                       PSID:   XX
SCLK1:  03528871:00:0           SCLK2:  03528874:80:0
SCET1:  1996-201/05:17:42.400   SCET2:  1996-201/05:21:37.733
TARGET: CAL                     PARTITION: 1

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

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

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

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

EDIT TABLE

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

G1NNNOPCAL02

```
OAPEL:  G1NNNOPCAL02            ALIAS:  G1NNNOPCAL02
EXT:    R                       PSID:   XX
SCLK1:  03538754:00:0           SCLK2:  03538756:80:0
SCET1:  1996-208/03:16:32.000   SCET2:  1996-208/03:19:26.666
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:  048                  TLMFMT:    RT

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

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

EDIT TABLE

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

G1NNRCTRLT02

OAPEL: G1NNRCTRLT02 ALIAS: LSNNRCTRTB01
EXT: R PSID: XG
SCLK1: 03554557:00:0 SCLK2: 03554557:12:0
SCET1: 1996-219/06:09:05.400 SCET2: 1996-219/06:09:13.400
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

G1NNRCTRLT02

OAPEL: G1NNRCTRLT02 ALIAS: LSNNRCTRTB01
EXT: S PSID: XG
SCLK1: 03554563:00:0 SCLK2: 03554564:12:0
SCET1: 1996-219/06:15:09.400 SCET2: 1996-219/06:16:18.066
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

G1NNRCTRLT02

OAPEL: G1NNRCTRLT02 ALIAS: LSNNRCTRTB01
EXT: T PSID: XG
SCLK1: 03554569:00:0 SCLK2: 03554569:12:0
SCET1: 1996-219/06:21:13.400 SCET2: 1996-219/06:21:21.400
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

G1NNPCTRLT01

OAPEL: G1NNPCTRLT01 ALIAS: G1NNPCTRLT01
EXT: R PSID: FA
SCLK1: 03562206:00:0 SCLK2: 03562206:12:0
SCET1: 1996-224/15:03:04.466 SCET2: 1996-224/15:03:12.466
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: 252 TLMFMT: RT

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFC0	1,1111,1111,1100,0000
1	1FFC0	1,1111,1111,1100,0000
2	1FFC0	1,1111,1111,1100,0000
3	1FFC0	1,1111,1111,1100,0000
4	1FFC0	1,1111,1111,1100,0000
5	1FFC0	1,1111,1111,1100,0000
6	1FFC0	1,1111,1111,1100,0000
7	1FFC0	1,1111,1111,1100,0000
8	1FFC0	1,1111,1111,1100,0000
9	1FFC0	1,1111,1111,1100,0000
10	1FFC0	1,1111,1111,1100,0000
11	1FFC0	1,1111,1111,1100,0000
12	1FF80	1,1111,1111,1000,0000
13	1FF80	1,1111,1111,1000,0000
14	1FF80	1,1111,1111,1000,0000
15	1FF80	1,1111,1111,1000,0000
16	1FF80	1,1111,1111,1000,0000
17	1FF80	1,1111,1111,1000,0000
18	1FF80	1,1111,1111,1000,0000
19	1FF80	1,1111,1111,1000,0000
20	1FF80	1,1111,1111,1000,0000
21	1FF80	1,1111,1111,1000,0000
22	1FF80	1,1111,1111,1000,0000
23	1FF80	1,1111,1111,1000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G1NNPCTRLT01

OAPEL: G1NNPCTRLT01 ALIAS: G1NNPCTRLT01
EXT: S PSID: FA
SCLK1: 03562211:00:0 SCLK2: 03562220:12:0
SCET1: 1996-224/15:08:07.800 SCET2: 1996-224/15:17:21.800
TARGET: CAL PARTITION: 1

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

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

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFC0	1,1111,1111,1100,0000
1	1FFC0	1,1111,1111,1100,0000
2	1FFC0	1,1111,1111,1100,0000
3	1FFC0	1,1111,1111,1100,0000
4	1FFC0	1,1111,1111,1100,0000
5	1FFC0	1,1111,1111,1100,0000
6	1FFC0	1,1111,1111,1100,0000
7	1FFC0	1,1111,1111,1100,0000
8	1FFC0	1,1111,1111,1100,0000
9	1FFC0	1,1111,1111,1100,0000
10	1FFC0	1,1111,1111,1100,0000
11	1FFC0	1,1111,1111,1100,0000
12	1FF80	1,1111,1111,1000,0000
13	1FF80	1,1111,1111,1000,0000
14	1FF80	1,1111,1111,1000,0000
15	1FF80	1,1111,1111,1000,0000
16	1FF80	1,1111,1111,1000,0000
17	1FF80	1,1111,1111,1000,0000
18	1FF80	1,1111,1111,1000,0000
19	1FF80	1,1111,1111,1000,0000
20	1FF80	1,1111,1111,1000,0000
21	1FF80	1,1111,1111,1000,0000
22	1FF80	1,1111,1111,1000,0000
23	1FF80	1,1111,1111,1000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

NIMS G1 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS G1 data. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry. Included items come from NIMS commands in (1) the Standard Sequence Data File (SSDF) and (2) the Playback Table Update Process (PTUP), plus some items from (3) the NIMS/CDS software load.

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

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

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

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

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

```
-------------------------------------------------------------------------------------------------------------------------
  MODE          2  72 -  73     .NIMS Instrument MODE (0-15)                    SEF: 37IOP, data byte 2, bits 5-8
  GAIN          1  74 -  74     .Gain State (true value)                        SEF: 37IST, data byte 3, bits 7-8 (if bit 6 = 1)
                                                                                      0=gs2, 1=gs4, 2=gs3, 3=gs1
  CHOP          1  75 -  75     .Chopper State (1=Ref,2=63Hz,3=FreeRun,4=Off)   SEF: 37IST, data byte 2, bits 7-8 (if bit 6 = 1)
                                                                                      0=63hz, 1=off, 2=ref, 3=freerun
  GRAT_OFF      1  76 -  76     .Grating Offset (0-7, default 4)                SEF: 37GOF, data byte 2, bits 5-8
  PTAB_A(6)    12  77 -  88     .First PTAB  |repeat count,mirror op,autobias...SEF: functions of MODE (from 37IOP) as modified by
  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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G1JNRTJBAR01G1JNRTJBAR01RDL03496234:00:003496234:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1996-178/07:18:05.6661996-178/07:18:13.666
          000000000000000000000000000000000000000000000000000301408000 1261FFFF

G1CNGLOBAL01G1CNGLOBAL01AFA03496552:00:003496553:29:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 228LPU  96-178/12:39:37.676  96-178/12:40:57.676
          0300300300000300290280280290280320340310310320300290326228001260100060011FFFF0100060011FFFF0100060011FFFF0100060011FF
FFF0100060011FFFF0100060011FFFF0100060011FFFF0100060011FFFF0100060011FFFF0100060011FFFF0100060011FFFF01000000100000
G1JNGRS04102G1JNGRS04102ADE03496645:00:003496655:62:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  23LPU  96-178/14:13:39.673  96-178/14:24:27.672
          000000000000000000000000000000000000000000000000507023001 701004000111D810118900010090201OB8100100C010100000

G1JNGRS04103G1JNGRS04103ADG03496706:00:003496711:73:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  23LPU  96-178/15:15:20.338  96-178/15:21:12.337
          000000000000000000000000000000000000000000000000507023001 701004000111D810118900010090201OB8100100C010100000

G1GNGLOBAL01G1GNGLOBAL01ADI03497074:90:003497100:01:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  96-178/21:28:26.323  96-178/21:53:44.322
          000000000000000000000000000000000000000000000000326228001260101800011FFFF0101800011FFFF0101800011FFFF0101800011FF
FFF0101800011FFFF0101800011FFFF0101800011FFFF0101800011FFFF0101800011FFFF0101800011FFFF0101800011FFFF01000000100000
G1GNGLOBAL02G1GNGLOBAL02AKA03497122:48:003497134:55:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  96-178/22:16:30.321  96-178/22:28:42.987
          000000000000000000000000000000000000000000000000326228001260101800011FFFF0101800011FFFF0101800011FFFF0101800011FF
FFF0101800011FFFF0101800011FFFF0101800011FFFF0101800011FFFF0101800011FFFF0101800011FFFF0101800011FFFF01000000100000
G1JNGRS02501G1JNGRS02501AFV03497262:90:003497273:79:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  19LPU  96-179/00:38:31.649  96-179/00:49:31.648
          000000000000000000000000000000000000000000000000507019001 701000000111D80011A8000100900010B8100100C000100000

G1GNMEMPIS01G1GNMEMPIS01ADK03497416:90:003497424:90:01         GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  96-179/03:14:14.310  96-179/03:22:19.643
          000000000000000000000000000000000000000000000000326228001260100018011FFFF0100018011FFFF0100018011FFFF0100018011FF
FFF0100018011FFFF0100018011FFFF0100018011FFFF0100018011FFFF0100018011FFFF0100018011FFFF0100018011FFFF01000000100000
G1GNAMON__01G1GNAMON__01ADN03497524:00:003497528:77:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  96-179/05:02:25.640  96-179/05:07:19.640
          000000000000000000000000000000000000000000000000326228001260106000011FFFF0106000011FFFF0106000011FFFF0106000011FF
FFF0106000011FFFF0106000011FFFF0106000011FFFF0106000011FFFF0106000011FFFF0106000011FFFF0106000011FFFF01000000100000
G1GNPTAH__01G1GNPTAH__01ADO03497533:00:003497536:77:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  96-179/05:11:31.639  96-179/05:15:24.972
          000000000000000000000000000000000000000000000000326228001260100C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FF
FFF0100C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FFFF01000000100000
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G1GNNIPPUR01G1GNNIPPUR01ADP03497542:00:003497552:88:01         GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  96-179/05:20:37.639  96-179/05:31:42.972
          000000000000000000000000000000000000000000000000000032622800126010060011FFFF0100600011FFFF0100600011FFFF0100600011FF
FFF0100600011FFFF0100600011FFFF0100600011FFFF0100600011FFFF0100600011FFFF0100600011FFFF0100600011FFFF01000000100000
G1GNMIRRAY01G1GNMIRRAY01ADS03497576:00:003497584:72:01         GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  96-179/05:55:00.304  96-179/06:03:53.637
          000000000000000000000000000000000000000000000000000032622800126010006011FFFF0100060011FFFF0100060011FFFF0100060011FF
FFF0100060011FFFF0100060011FFFF0100060011FFFF0100060011FFFF0100060011FFFF0100060011FFFF0100060011FFFF01000000100000
G1GNURUSUL01G1GNURUSUL01AIM03497589:42:003497589:85:01         GANYMEDE 5314 1 1 0 0 4 6 1 1 0 0 4 600010 0000000000 1 2.00.3000
0065525                 102IM4  96-179/06:08:36.970  96-179/06:09:05.600
          000000000000000000000000000000000000000000000000000507102001 7011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF0100000

G1GNGREGIO01G1GNGREGIO01AIN03497590:11:003497590:61:01         GANYMEDE 5314 1 1 0 0 4 6 1 1 0 0 4 600010 0000000000 1 2.00.3000
0065525                 102IM4  96-179/06:09:16.933  96-179/06:09:50.303
          000000000000000000000000000000000000000000000000000507102001 7011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF0100000

G1GNMEMPHI01G1GNMEMPHI01AIX03497601:06:003497601:73:01         GANYMEDE 5314 1 1 0 0 4 6 1 1 0 0 4 600010 0000000000 1 2.00.3000
0065525                 102HIS  96-179/06:20:20.970  96-179/06:21:05.637
          000000000000000000000000000000000000000000000000000507102001 7011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF0100000

G1GNLIMBSC02G1GNLIMBSC02ACY03497605:00:003497608:00:01         GANYMEDE 7414 1 0 0 1 012 1 0 0 1 01200010 0000000000 1 2.00.3000
0065525                  17MPW  96-179/06:24:19.637  96-179/06:27:21.600
          000000000000000000000000000000000000000000000000000071301700113011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FF
FFF011FFFF011FFFF011FFFF011FFFF0100000
G1JNGRS00501G1JNGRS00501ADW03497898:00:003497909:46:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  19LPU  96-179/11:20:34.958  96-179/11:32:12.958
          000000000000000000000000000000000000000000000000000507019001 701000000111D80011A8000100900010B8100100C000100000

G1JNHOTMAP01G1JNHOTMAP01ADB03498572:00:003498615:17:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 238LPU  96-179/22:42:04.265  96-179/23:25:44.930
          000000000000000000000000000000000000000000000000000032623800126011 9E270119E270119E270119E270119C270119C270119C270119C
27011BC27011BC27011BC27011BC27011BC27011BC27011BC27011BC27011BC27011BC67011BC670113C670113C670113C670113C6701000000100000
G1ENNHILAT01G1ENNHILAT01AEC03498650:00:003498659:90:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  96-180/00:00:56.262  96-180/00:11:02.266
          000000000000000000000000000000000000000000000000000032622800126010 0C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FF
FF0100C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FFFF01000000100000
G1ENNHILAT01G1ENNHILAT01BEC03498660:00:003498669:90:01         EUROPA   3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  96-180/00:11:02.933  96-180/00:21:09.594
          000000000000000000000000000000000000000000000000000032622800126010 0C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FF
FF0100C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FFFF0100C00011FFFF01000000100000
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G1ENGLOBAL01G1ENGLOBAL01AFD03498751:02:003498751:41:01         EUROPA   7214 1 1 0 0 012 1 1 0 0 01200000 0000000000 1 2.00.3000
0065525                  17IM4  96-180/01:43:05.591  96-180/01:43:31.591
          00000000000000000000000000000000000000000000000000007130170011301 1FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FF
FF011FFFF011FFFF011FFFF011FFFF0100000
G1INCHEMIS01G1INCHEMIS01AEA03498837:90:003498838:89:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  96-180/03:11:01.588  96-180/03:12:01.588
          00000000000000000000000000000000000000000000000000003262280012601 00180011FFFF0100180011FFFF0100180011FFFF0100180011FF
FF0100180011FFFF0100180011FFFF0100180011FFFF0100180011FFFF0100180011FFFF0100180011FFFF01000000100000
G1INTHRMAL01G1INTHRMAL01AEB03498841:90:003498842:10:01         IO       7214 1 1 021 012 1 1 021 01200010 0000000000 1 2.00.3000
0065525                  10LPU  96-180/03:15:04.255  96-180/03:15:10.933
          00000000000000000000000000000000000000000000000000007130100011301 1D555011D555011D555011D555011D555011D555011D555011D5
55011D555011D555011D555011D5550100000
G1ENEUTERM01G1ESEUTERM01AIW03498873:04:003498873:15:01         EUROPA   7214 1 1 021 012 1 1 021 01200010 0000000000 1 2.00.3000
0065525                  10IM4  96-180/03:46:28.253  96-180/03:46:35.586
          00000000000000000000000000000000000000000000000000007130100011301 1D555011D555011D555011D555011D555011D555011D555011D5
55011D555011D555011D555011D5550100000
G1JNGRS09101G1JNGRS09101AED03499067:90:003499073:21:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  96-180/07:03:34.913  96-180/07:08:52.913
          00000000000000000000000000000000000000000000000000000507068001 70100000011FFF0011FFF0011FFF8011FFF8011FFF80100000

G1JNGRS09102G1JNGRS09102AEE03499171:00:003499173:44:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  96-180/08:47:43.576  96-180/08:50:14.200
          00000000000000000000000000000000000000000000000000000507004001 70100000010110001100000100800010000001000000100000

G1INIOMON_05G1INIOMON_05RDH03499674:00:003499674:12:01         IO       7214 1 1 021 012 1 1 021 01200100 1100000011 0 0.00.0000
0000000                  008RT 1996-180/17:16:18.8661996-180/17:16:26.866
          00000000000000000000000000000000000000000000000000000702008000 21212A950100000

G1INNSPEC_01G1INNSPEC_01AER03499677:00:003499679:57:01         IO       3414 1 1 0 0 124 1 1 0 0 12400000 0000000000 1 2.00.3000
0065525                  408MPW  96-180/17:19:20.890  96-180/17:22:00.223
          00000000000000000000000000000000000000000000000000003264080012601 1FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FF
FF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF01000000100000
G1INIOMON_07G1INIOMON_07RDX03500758:00:003500758:12:01         IO       7214 1 1 021 012 1 1 021 01200100 1110000111 0 0.00.0000
0000000                  008RT 1996-181/11:32:21.5331996-181/11:32:29.533
          00000000000000000000000000000000000000000000000000000702008000 21212A950100000

G1NNRCTRLT01LSNNRCTRTA01RXE03507941:00:003507941:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  252RT 1996-186/12:35:09.8671996-186/12:35:17.867
          00000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

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G1NNRCTRLT01LSNNRCTRTA01SXE03507947:00:003507948:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-186/12:41:13.8671996-186/12:42:22.533
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G1NNRCTRLT01LSNNRCTRTA01TXE03507953:00:003507953:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-186/12:47:17.8671996-186/12:47:25.867
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G1NNNOPCAL01G1NNNOPCAL01RXX03528871:00:003528874:80:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 048RT 1996-201/05:17:42.4001996-201/05:21:37.733
          00000000000000000000000000000000000000000000000000302048000 224180000200000

G1NNNOPCAL02G1NNNOPCAL02RXX03538754:00:003538756:80:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 048RT 1996-208/03:16:32.0001996-208/03:19:26.666
          00000000000000000000000000000000000000000000000000302048000 224180000200000

G1NNRCTRLT02LSNNRCTRTB01RXG03554557:00:003554557:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-219/06:09:05.4001996-219/06:09:13.400
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G1NNRCTRLT02LSNNRCTRTB01SXG03554563:00:003554564:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-219/06:15:09.4001996-219/06:16:18.066
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G1NNRCTRLT02LSNNRCTRTB01TXG03554569:00:003554569:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-219/06:21:13.4001996-219/06:21:21.400
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G1NNPCTRLT01G1NNPCTRLT01RFA03562206:00:003562206:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-224/15:03:04.4661996-224/15:03:12.466
          00000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

G1NNPCTRLT01G1NNPCTRLT01SFA03562211:00:003562220:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-224/15:08:07.8001996-224/15:17:21.800
          00000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

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