Chapter 4 - NIMS Observation Summaries

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Introduction to Chapter 4

This chapter summarizes the NIMS G28 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 G28 Sequence. The information in this summary is derived from the G28 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 G28 data. It is also derived from the G28 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

			Sequence:	G28A-AR		Created: 3/16/01	Begin: 00-138/10:00:00 Finish: 00-165/23:00:00				
Line	**YR**	**DOY**	**SCET - GMT**	**PSID**	**Command**	**Parameters**	**Description**	**GCM**	**GO**	**GS**	**RIM MF I**
1	0	138	09:59:59.733		DMS:	: READY	RDY, TRACK 1, FWD, TIC 3112.00 +/-	4O0	4	0	5,520,149:17:0
2	**0**	**138**	**10:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**5,520,149:17:4**
3	**0**	**138**	**10:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,520,149:17:4**
4	**0**	**138**	**10:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**5,520,149:17:4**
5	**0**	**138**	**10:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,520,149:17:4**
6	**0**	**138**	**10:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,520,149:17:4**
7	**0**	**138**	**10:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,520,149:17:4**
8	**0**	**138**	**10:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,520,149:17:4**
9	**0**	**138**	**10:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**5,520,149:17:4**
10	**0**	**138**	**10:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**5,520,149:17:4**
11	0	138	10:00:17.066	488AA6A	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	5,520,149:43:0
12	0	138	11:15:37.066	431ZA6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,520,223:89:0
13	0	138	14:57:59.733	488AA6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,520,443:83:0
14	0	138	15:08:27.066	488AA6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,520,454:23:0
15	0	138	15:42:34.400		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 3112.00 +/-	4O0	4	0	5,520,488:00:0
16	0	138	15:42:34.400	465WK6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	5,520,488:00:0
17	0	138	15:42:34.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3112.00 +/-	4O0	4	0	5,520,488:00:0
18	0	138	15:42:41.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 3112.00 +/-	4O0	4	0	5,520,488:10:0
19	0	138	15:42:42.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *3112.12 +/-	4O0	4	0	5,520,488:12:1
20	0	138	17:56:47.866		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	5,520,620:68:2
21	0	138	17:56:49.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	5,520,620:70:0
22	0	138	21:36:15.733	465WL6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,520,837:73:0
23	0	138	21:36:15.733		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	5,520,837:73:0
24	0	138	21:36:17.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	5,520,837:75:1
25	0	138	21:36:22.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	5,520,837:83:0
26	0	138	21:36:23.600		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	5,520,837:84:8
27	0	138	21:36:27.466		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	5,520,837:90:6
28	0	138	21:36:27.466		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	5,520,837:90:6
29	0	138	22:02:07.733	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,520,863:35:0
30	0	138	22:02:07.733		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	5,520,863:35:0
31	0	138	22:02:08.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	5,520,863:36:8
32	0	138	23:41:44.400	488AB6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,520,961:82:0
33	0	139	00:00:56.400	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	4O0	4	0	5,520,980:81:0
34	0	139	00:00:56.400		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	5,520,980:81:0
35	0	139	00:00:56.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	5,520,980:81:0
36	0	139	00:00:57.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	5,520,980:83:1
37	0	139	00:01:03.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	5,520,981:00:0
38	0	139	00:01:04.266		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	5,520,981:01:8
39	0	139	00:01:05.666		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	5,520,981:03:9
40	0	139	00:05:06.333		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,520,985:00:9
41	0	139	00:05:07.533		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,520,985:02:7
42	0	139	00:05:07.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,520,985:02:7
43	0	139	00:05:08.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,520,985:04:8
44	0	139	00:05:09.066	488AB6B	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	5,520,985:05:0
45	0	139	00:05:20.933		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,520,985:22:8
46	0	139	00:05:22.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,520,985:24:6
47	0	139	00:11:59.733	465WN6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,520,991:75:0
48	0	139	00:11:59.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,520,991:75:0
49	0	139	00:12:06.400		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,520,991:85:0
50	0	139	00:12:10.266		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	5,520,991:90:8
51	0	139	00:12:10.266		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	5,520,991:90:8
52	0	139	00:43:53.733		DMS:	**: *RUNDOWN**	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	5,521,023:34:0
53	0	139	00:43:53.733	465WN6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	5,521,023:34:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	0	139	00:43:54.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	5,521,023:35:8	
55	0	139	00:59:29.733		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	5,521,038:73:0	
56	0	139	00:59:29.733	465WO6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,521,038:73:0	
57	0	139	00:59:31.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	5,521,038:75:1	
58	0	139	00:59:36.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	5,521,038:83:0	
59	0	139	00:59:37.600		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	5,521,038:84:8	
60	0	139	00:59:41.466		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	5,521,038:90:6	
61	0	139	00:59:41.466		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	5,521,038:90:6	
62	0	139	01:31:37.733	465WP6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,521,070:53:0	
63	0	139	01:31:37.733		DMS:	**: *RUNDOWN**	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	5,521,070:53:0	
64	0	139	01:31:38.933		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	5,521,070:54:8	
65	0	139	01:31:42.800		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	5,521,070:60:6	
66	0	139	01:31:42.800		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	5,521,070:60:6	
67	0	139	02:03:38.400	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,521,102:22:0	
68	0	139	02:03:38.400		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	5,521,102:22:0	
69	0	139	02:03:39.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	5,521,102:23:8	
70	0	139	02:18:21.733	465WQ6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,521,116:73:0	
71	0	139	02:18:21.733		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	5,521,116:73:0	
72	0	139	02:18:23.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	5,521,116:75:1	
73	0	139	02:18:28.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	5,521,116:83:0	
74	0	139	02:18:29.600		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	5,521,116:84:8	
75	0	139	02:18:33.466		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	5,521,116:90:6	
76	0	139	02:18:33.466		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	5,521,116:90:6	
77	0	139	02:50:29.066	465WR6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,521,148:52:0	
78	0	139	02:50:29.066		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	5,521,148:52:0	
79	0	139	02:50:30.266		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	5,521,148:53:8	
80	0	139	02:50:34.133		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	5,521,148:59:6	
81	0	139	02:50:34.133		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	5,521,148:59:6	
82	0	139	02:51:35.066	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,521,149:60:0	
83	0	139	02:51:35.066		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	5,521,149:60:0	
84	0	139	02:51:36.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	5,521,149:61:8	
85	0	139	02:51:59.066	488AB6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,521,150:05:0	
86	0	139	03:06:05.066	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,521,164:00:0	
87	0	139	03:06:05.066		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	5,521,164:00:0	
88	0	139	03:06:59.066	465WT6A	6DTRN	CMD,6DTRN,465WT6	DMS TRACK TURNAROUND	4O0	4	0	5,521,164:81:0	
89	0	139	03:06:59.066		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	5,521,164:81:0	
90	0	139	03:06:59.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	5,521,164:81:0	
91	0	139	03:07:00.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	5,521,164:83:1	
92	0	139	03:07:05.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	5,521,165:00:0	
93	0	139	03:07:06.933		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	5,521,165:01:8	
94	0	139	03:07:08.333		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	5,521,165:03:9	
95	0	139	03:18:34.133		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,521,176:31:6	
96	0	139	03:18:35.333		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,521,176:33:4	
97	0	139	03:18:35.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,521,176:33:4	
98	0	139	03:18:36.733		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,521,176:35:5	
99	0	139	03:18:48.733		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,521,176:53:5	
100	0	139	03:18:49.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,521,176:55:3	
101	0	139	03:23:29.066	488AB6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,521,181:19:0	
102	0	139	09:01:03.733	20NV6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	5,521,515:07:0	
103	0	139	09:10:59.733	20NV6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,521,524:82:0	
104	0	139	09:23:59.733	20CA4AA	7STAT	10.00,303.6182,3	Stator inertial point	4O0	4	0	5,521,537:69:0	
105	0	139	09:24:11.733	20CA6AA	6MROH	7,6744,0,A2	read from AACSA7,6744,0,A2	4O0	4	0	5,521,537:87:0	
106	0	139	09:29:59.733	474CA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,521,543:63:0	
107	0	139	09:31:59.733	474CA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,521,545:61:0	
108	0	139	09:32:19.733	20CA4AD	7STAT	17.45,303.6182,3	Stator inertial point	4O0	4	0	5,521,546:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
109	0	139	09:36:13.733	474CA416A4E	**7BURN**	**303.618198,31.54**		ALERT -- Thruster fire	4O0	4	0	5,521,549:78:0	
110	0	139	09:52:31.733	20CA4AF	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	5,521,565:89:0	
111	0	139	09:58:23.733	20CA4AG	**7MODE**	**CRU**		AACS CRUISE MODE	4O0	4	0	5,521,571:71:0	
112	0	139	10:19:39.733	20CA4AJ	7STAT	10.00,303.6182,3		Stator inertial point	4O0	4	0	5,521,592:74:0	
113	0	139	10:19:51.733	20CA6AB	6MROH	7,6744,0,A2		read from AACSA7,6744,0,A2	4O0	4	0	5,521,593:01:0	
114	0	139	10:25:39.733	20CA4AK	**7MODE**	**INT**		AACS INERTIAL MODE	4O0	4	0	5,521,598:68:0	
115	0	139	10:27:39.733	474CA416A4G	**7BURN**	**303.618198,31.54**		ALERT -- Thruster fire	4O0	4	0	5,521,600:66:0	
116	0	139	10:52:15.733	20CA4AM	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	5,521,625:05:0	
117	0	139	10:57:07.733	20CA4AN	**7MODE**	**CRU**		AACS CRUISE MODE	4O0	4	0	5,521,629:79:0	
118	0	139	18:29:13.666	465KJ6A	6DMST		5970	DMS Slew to TIC	4O0	4	0	5,522,077:00:0	
119	0	139	18:29:13.666		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,522,077:00:0	
120	0	139	18:29:13.666		DMS:	: *SLEW-TIC		P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,522,077:00:0	
121	0	139	18:29:13.666		DMS:	: *TURNARND		P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,522,077:00:0	
122	0	139	18:29:20.333		DMS:	: *RUNUP		P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,522,077:10:0	
123	0	139	18:29:21.733		DMS:	: *AT_SPD		P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	5,522,077:12:1	
124	0	139	22:56:46.333	488AC6A	6TMSED	NORM,AL1		Sci, Eng, and D/L Chan	4O0	4	0	5,522,341:55:0	
125	0	139	23:38:21.000	488AC6B	6TMSED	FILL,AL1		Sci, Eng, and D/L Chan	4O0	4	0	5,522,382:66:0	
126	0	140	01:19:21.133		DMS:	**: *RUNDOWN**		P7, TRACK 1, FWD, TIC *5967.94 +/-	4O0	4	0	5,522,482:56:2	
127	0	140	01:19:22.333		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *5968.00 +/-	4O0	4	0	5,522,482:58:0	
128	0	140	01:25:45.000	488AC6C	6TMSED	NORM,AL1		Sci, Eng, and D/L Chan	4O0	4	0	5,522,488:86:0	
129	0	140	01:29:51.000	465KK6A	6DMST		214	DMS Slew to TIC	4O0	4	0	5,522,493:00:0	
130	0	140	01:29:51.000		DMS:	: *SLEW-TIC		P7, TRACK *2, *REV, TIC 5968.00 +/-	4O0	4	0	5,522,493:00:0	
131	0	140	01:29:51.000		DMS:	: *US-RUNUP		P7, TRACK *1, *FWD, TIC 5968.00 +/-	4O0	4	0	5,522,493:00:0	
132	0	140	01:29:52.400		DMS:	: *US_AT_SP		P7, TRACK 1, FWD, TIC *5968.12 +/-	4O0	4	0	5,522,493:02:1	
133	0	140	01:29:57.666		DMS:	: *US_RD		P7, TRACK 1, FWD, TIC *5969.35 +/-	4O0	4	0	5,522,493:10:0	
134	0	140	01:29:58.866		DMS:	: *RUNUP		P7, TRACK *2, *REV, TIC *5969.41 +/-	4O0	4	0	5,522,493:11:8	
135	0	140	01:30:00.266		DMS:	: *AT_SPD		P7, TRACK 2, REV, TIC *5969.29 +/-	4O0	4	0	5,522,493:13:9	
136	0	140	03:23:31.000	488AC6D	6TMSED	FILL,AL1		Sci, Eng, and D/L Chan	4O0	4	0	5,522,605:38:0	
137	0	140	03:54:30.333	20OB6A	6HICON				4O0	4	0	5,522,636:06:0	
138	**0**	**140**	**03:59:28.333**	**432JB6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**		**NIMS R/T DESELECT**	**4O0**	**4**	**0**	**5,522,640:89:0**	
139	0	140	03:59:29.000	432JB431A6A	6RCDSL	DDSNCG,PLSDSL,EP		Record Deselect (DDS o	4O0	4	0	5,522,640:90:0	
140	**0**	**140**	**03:59:29.666**	**432JB6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**		**AACS SELECT**	**4O0**	**4**	**0**	**5,522,641:00:0**	
141	0	140	03:59:29.666	432JB6C	6RTSL1			R/T Select of DDS and	4O0	4	0	5,522,641:00:0	
142	0	140	03:59:33.666	488AC6E	6TMSED	FILL,AL1		Sci, Eng, and D/L Chan	4O0	4	0	5,522,641:06:0	
143	0	140	07:35:44.333	488AD6A	6TMSED	NORM,AL1		Sci, Eng, and D/L Chan	4O0	4	0	5,522,854:79:0	
144	0	140	08:19:06.466		DMS:	**: *RUNDOWN**		P7, TRACK 2, REV, TIC * 216.06 +/-	4O0	4	0	5,522,897:69:2	
145	0	140	08:19:07.666		DMS:	: *READY		RDY, TRACK 2, REV, TIC * 216.00 +/-	4O0	4	0	5,522,897:71:0	
146	0	140	08:44:37.666		DMS:	: READY		RDY, TRACK *1, *FWD, TIC 216.00 +/-	4O0	4	0	5,522,923:00:0	
147	0	140	08:44:37.666	465KZ6A	6DMSC	RDY,1		DMS Control Tape stop	4O0	4	0	5,522,923:00:0	
148	0	140	08:53:00.333	488AD6B	6TMSED	NORM,AH1		Sci, Eng, and D/L Chan	4O0	4	0	5,522,931:26:0	
149	0	140	08:54:44.333	411JA6A	6DMSC	R7,0		DMS Control Tape runup 7.68kps	4O0	4	0	5,522,933:00:0	
150	0	140	08:54:44.333		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 216.00 +/-	4O0	4	0	5,522,933:00:0	
151	0	140	08:54:51.000		DMS:	: *RUNUP		R7, TRACK 1, FWD, TIC 216.00 +/-	4O0	4	0	5,522,933:10:0	
152	0	140	08:54:52.400		DMS:	: *AT_SPD		R7, TRACK 1, FWD, TIC 216.12 +/-	4O0	4	0	5,522,933:12:1	
153	0	140	08:54:52.400		DMS:	**: *RECORD**		R7, TRACK 1, FWD, TIC * 216.12 +/-	4O0	4	0	5,522,933:12:1	
154	0	140	08:54:54.333	411JA6B	6TMREC	**BDT**		7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,522,933:15:0	
155	0	140	08:56:55.666	411JA6C	6TMREC	**NRC**		NO RECORD Record Mode Change	4O0	4	0	5,522,935:15:0	
156	0	140	08:56:56.333	411JA6D	6DMSC	RDY,0		DMS Control Tape stop	4O0	4	0	5,522,935:16:0	
157	0	140	08:56:56.333		DMS:	**: *RUNDOWN**		R7, TRACK 1, FWD, TIC * 245.17 +/-	4O0	4	0	5,522,935:16:0	
158	0	140	08:56:57.533		DMS:	: *READY		RDY, TRACK 1, FWD, TIC * 245.23 +/-	4O0	4	0	5,522,935:17:8	
159	0	140	15:23:33.000	488AE6A	6TMSED	FILL,AH1		Sci, Eng, and D/L Chan	4O0	4	0	5,523,317:49:0	
160	0	140	17:01:00.333	488AE6B	6TMSED	FILL,AL1		Sci, Eng, and D/L Chan	4O0	4	0	5,523,413:84:0	
161	0	140	17:01:05.000		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 245.23 +/-	4O0	4	0	5,523,414:00:0	
162	0	140	17:01:05.000	411JB6A	6DMSC	R7,0		DMS Control Tape runup 7.68kps	4O0	4	0	5,523,414:00:0	
163	0	140	17:01:11.666		DMS:	: *RUNUP		R7, TRACK 1, FWD, TIC 245.23 +/-	4O0	4	0	5,523,414:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	0	140	17:01:13.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 245.35 +/-	4O0	4	0	5,523,414:12:1	
165	0	140	17:01:13.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 245.35 +/-	4O0	4	0	5,523,414:12:1	
166	0	140	17:01:15.000	411JB6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,523,414:15:0	
167	0	140	17:03:16.333	411JB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,523,416:15:0	
168	0	140	17:03:17.000	411JB6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,523,416:16:0	
169	0	140	17:03:17.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 274.39 +/-	4O0	4	0	5,523,416:16:0	
170	0	140	17:03:18.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 274.45 +/-	4O0	4	0	5,523,416:17:8	
171	0	140	17:09:09.666	432OO431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,523,421:90:0	
172	0	140	17:09:10.333	432OO6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,523,422:00:0	
173	0	140	22:02:23.666	411JC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,523,712:00:0	
174	0	140	22:02:23.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 274.45 +/-	4O0	4	0	5,523,712:00:0	
175	0	140	22:02:30.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 274.45 +/-	4O0	4	0	5,523,712:10:0	
176	0	140	22:02:31.733		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 274.57 +/-	4O0	4	0	5,523,712:12:1	
177	0	140	22:02:31.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 274.57 +/-	4O0	4	0	5,523,712:12:1	
178	0	140	22:02:33.666	411JC6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,523,712:15:0	
179	0	140	22:04:35.000	411JC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,523,714:15:0	
180	0	140	22:04:35.666	411JC6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,523,714:16:0	
181	0	140	22:04:35.666		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 303.62 +/-	4O0	4	0	5,523,714:16:0	
182	0	140	22:04:36.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 303.68 +/-	4O0	4	0	5,523,714:17:8	
183	0	140	23:10:42.333	488AF6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,523,779:51:0	
184	0	140	23:30:00.333	20TO4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,523,798:59:0	
185	0	140	23:30:50.333	20TO4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,523,799:43:0	
186	0	140	23:30:56.333	20TO4E	7STAR	1,714,297.092,8.	Star catalog update	4O0	4	0	5,523,799:52:0	
187	0	140	23:30:58.333	20TO4F	7STAR	2,9000,2.664,14.	Star catalog update	4O0	4	0	5,523,799:55:0	
188	0	140	23:31:00.333	20TO4G	7STAR	3,714,297.092,8.	Star catalog update	4O0	4	0	5,523,799:58:0	
189	0	140	23:31:02.333	20TO4H	7STAR	4,9000,2.664,14.	Star catalog update	4O0	4	0	5,523,799:61:0	
190	0	140	23:31:04.333	20TO4I	7STAR	5,714,297.092,8.	Star catalog update	4O0	4	0	5,523,799:64:0	
191	0	140	23:31:06.333	20TO4J	7STAR	6,9000,2.664,14.	Star catalog update	4O0	4	0	5,523,799:67:0	
192	0	140	23:35:03.000	432OS431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,523,803:58:0	
193	0	140	23:35:03.666	432OS6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,523,803:59:0	
194	0	141	00:36:53.666	488AF6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,523,864:73:0	
195	0	141	05:17:10.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 303.68 +/-	4O0	4	0	5,524,142:00:0	
196	0	141	05:17:10.266	411JD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,524,142:00:0	
197	0	141	05:17:16.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 303.68 +/-	4O0	4	0	5,524,142:10:0	
198	0	141	05:17:18.333		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 303.80 +/-	4O0	4	0	5,524,142:12:1	
199	0	141	05:17:18.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 303.80 +/-	4O0	4	0	5,524,142:12:1	
200	0	141	05:17:20.266	411JD6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,524,142:15:0	
201	0	141	05:19:21.600	411JD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,524,144:15:0	
202	0	141	05:19:22.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 332.85 +/-	4O0	4	0	5,524,144:16:0	
203	0	141	05:19:22.266	411JD6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,524,144:16:0	
204	0	141	05:19:23.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 332.91 +/-	4O0	4	0	5,524,144:17:8	
205	0	141	06:43:26.266	488AG6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,524,227:29:0	
206	0	141	07:00:00.266	488AG6B	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	5,524,243:64:0	
207	0	141	08:25:08.933	488AG6C	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	5,524,327:83:0	
208	0	141	09:00:00.266	488AG6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,524,362:35:0	
209	0	141	09:01:04.266	20RO6B	6RTSL1		R/T Select of DDS and	4O0	4	0	5,524,363:40:0	
210	0	141	09:19:50.266	192GB4A	**7CONE**	**9.0,0.0**	Check S/P Position	4O0	4	0	5,524,382:00:0	
211	0	141	09:26:54.933	176GA6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4O0	4	0	5,524,389:00:0	
212	0	141	09:29:09.600	176GA6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,524,391:20:0	
213	0	141	09:29:11.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,524,391:23:0	
214	0	141	09:29:11.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 332.91 +/-	4O0	4	0	5,524,391:23:0	
215	0	141	09:29:18.266		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 332.91 +/-	4O0	4	0	5,524,391:33:0	
216	0	141	09:29:19.666		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 333.03 +/-	4O0	4	0	5,524,391:35:1	
217	0	141	09:29:21.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 333.48 +/-	4O0	4	0	5,524,391:38:0	
218	0	141	09:29:32.933		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 336.14 +/-	4O0	4	0	5,524,391:55:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	0	141	09:29:32.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,524,391	55:0
220	0	141	09:29:34.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 336.20 +/-	4O0	4	0	5,524,391	56:8
221	0	141	09:31:58.266	192GB4B	**7CONE**	**9.0,90.0**	Check S/P Position	4O0	4	0	5,524,394	00:0
222	0	141	09:35:00.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 336.20 +/-	4O0	4	0	5,524,397	00:0
223	0	141	09:35:00.266	411JE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,524,397	00:0
224	0	141	09:35:06.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 336.20 +/-	4O0	4	0	5,524,397	10:0
225	0	141	09:35:08.333		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 336.32 +/-	4O0	4	0	5,524,397	12:1
226	0	141	09:35:08.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 336.32 +/-	4O0	4	0	5,524,397	12:1
227	0	141	09:35:10.266	411JE6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,524,397	15:0
228	0	141	09:37:11.600	411JE6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,524,399	15:0
229	0	141	09:37:12.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 365.36 +/-	4O0	4	0	5,524,399	16:0
230	0	141	09:37:12.266	411JE6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,524,399	16:0
231	0	141	09:37:13.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 365.42 +/-	4O0	4	0	5,524,399	17:8
232	0	141	09:39:52.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 365.42 +/-	4O0	4	0	5,524,401	75:0
233	0	141	09:39:52.933	175TA422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4O0	4	0	5,524,401	75:0
234	0	141	09:39:59.600		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 365.42 +/-	4O0	4	0	5,524,401	85:0
235	0	141	09:40:00.933	175TA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	5,524,401	87:0
236	0	141	09:40:00.933	282NA431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	4O0	4	0	5,524,401	87:0
237	0	141	09:40:01.000		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 365.54 +/-	4O0	4	0	5,524,401	87:1
238	0	141	09:40:01.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 365.54 +/-	4O0	4	0	5,524,401	87:1
239	0	141	09:40:03.600	431MA6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	5,524,402	00:0
240	0	141	09:51:14.266	428JA6A	6RCCLR			4O0	4	0	5,524,413	05:0
241	0	141	09:51:14.933	428JA6B	6RCSET	12		4O0	4	0	5,524,413	06:0
242	0	141	09:55:12.933	165GA4A	7SCAN	NORM,202.931,-0.	Check S/P Position	4O0	4	0	5,524,416	90:0
243	0	141	10:00:15.600	165GA4B	7VECT		Inert vect update UTC	4O0	4	0	5,524,421	89:0
244	0	141	10:05:00.266	481UB4A	7VECT	BB2	Inert vect update UTC	4O0	4	0	5,524,426	61:0
245	0	141	10:10:37.600	175NA422A6A	6DMSC	R115,1	DMS Control	4O0	4	0	5,524,432	21:0
246	0	141	10:10:37.600		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 796.00 +/-	4O0	4	0	5,524,432	21:0
247	0	141	10:10:38.800		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC * 796.06 +/-	4O0	4	0	5,524,432	22:8
248	0	141	10:10:42.800		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 802.36 +/-	4O0	4	0	5,524,432	28:8
249	0	141	10:10:42.800		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 802.36 +/-	4O0	4	0	5,524,432	28:8
250	0	141	10:10:42.933	175NA176A6A	6TMREC	**HPW**	115.2 KBPS PWS RECORD Record Mode Change	4O0	4	0	5,524,432	29:0
251	0	141	10:10:52.933	428JB6A	6RCCLR			4O0	4	0	5,524,432	44:0
252	0	141	10:10:53.600	428JB6B	6RCSET	8		4O0	4	0	5,524,432	45:0
253	0	141	10:11:03.600		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 875.48 +/-	4O0	4	0	5,524,432	60:0
254	0	141	10:11:03.600	175TB422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4O0	4	0	5,524,432	60:0
255	0	141	10:11:04.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 876.48 +/-	4O0	4	0	5,524,432	61:8
256	0	141	10:11:06.200		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 876.60 +/-	4O0	4	0	5,524,432	63:9
257	0	141	10:11:06.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 876.60 +/-	4O0	4	0	5,524,432	63:9
258	0	141	10:11:06.266	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	5,524,432	64:0
259	0	141	10:11:30.933	165IA4A	7SCAN	NORM,142.588999,	Check S/P Position	4O0	4	0	5,524,433	10:0
260	0	141	10:12:28.266	428JC6A	6RCCLR			4O0	4	0	5,524,434	05:0
261	0	141	10:12:28.933	428JC6B	6RCSET	12		4O0	4	0	5,524,434	06:0
262	0	141	10:13:17.600	118IA	**SMOS**	GS		4O0	4	0	5,524,434	79:0
263	0	141	10:13:22.266	175IA422A6A	6DMSC	R403,1	DMS Control	4O0	4	0	5,524,434	86:0
264	0	141	10:13:22.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 908.49 +/-	4O0	4	0	5,524,434	86:0
265	0	141	10:13:23.466		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC * 908.55 +/-	4O0	4	0	5,524,434	87:8
266	0	141	10:13:24.266	165IA4B	7VECT		Inert vect update UTC	4O0	4	0	5,524,434	89:0
267	0	141	10:13:26.933	175IA176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	4O0	4	0	5,524,435	02:0
268	0	141	10:13:27.333		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 931.55 +/-	4O0	4	0	5,524,435	02:6
269	0	141	10:13:27.333		DMS:	**: *RECORD**	R403, TRACK 1, FWD, TIC * 931.55 +/-	4O0	4	0	5,524,435	02:6
270	0	141	10:13:27.600	118IA110A111A4A	7STRP	-0.00715,0.00271	Slew =4,3.6	4O0	4	0	5,524,435	03:0
271	0	141	10:13:38.266	428JD6A	6RCCLR			4O0	4	0	5,524,435	19:0
272	0	141	10:13:38.933	428JD6B	6RCSET	11		4O0	4	0	5,524,435	20:0
273	0	141	10:13:53.600	118IA11A	**SMOS**	GE		4O0	4	0	5,524,435	42:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	0	141	10:13:58.933	165IB4A	7SCAN	NORM,132.632,32.	Check S/P Position	4O0	4	0	5,524,435	50:0
275	0	141	10:14:00.266		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *1336.79 +/-	4O0	4	0	5,524,435	52:0
276	0	141	10:14:00.266	175TC422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4O0	4	0	5,524,435	52:0
277	0	141	10:14:03.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *1340.79 +/-	4O0	4	0	5,524,435	56:1
278	0	141	10:14:04.266	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	5,524,435	58:0
279	0	141	10:14:04.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1340.91 +/-	4O0	4	0	5,524,435	58:2
280	0	141	10:14:04.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1340.91 +/-	4O0	4	0	5,524,435	58:2
281	0	141	10:14:11.600	428JE6A	6RCCLR			4O0	4	0	5,524,435	69:0
282	0	141	10:14:12.266	428JE6B	6RCSET		12	4O0	4	0	5,524,435	70:0
283	0	141	10:14:18.266	118IB	**SMOS**	GS		4O0	4	0	5,524,435	79:0
284	0	141	10:14:22.933	175IB422A6A	6DMSC	R403,1	DMS Control	4O0	4	0	5,524,435	86:0
285	0	141	10:14:22.933		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1345.25 +/-	4O0	4	0	5,524,435	86:0
286	0	141	10:14:24.133		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC *1345.31 +/-	4O0	4	0	5,524,435	87:8
287	0	141	10:14:24.933	165IB4B	7VECT		Inert vect update UTC	4O0	4	0	5,524,435	89:0
288	0	141	10:14:27.600	175IB176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	4O0	4	0	5,524,436	02:0
289	0	141	10:14:28.000		DMS:	**: *RECORD**	R403, TRACK 1, FWD, TIC *1368.31 +/-	4O0	4	0	5,524,436	02:6
290	0	141	10:14:28.000		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 1368.31 +/-	4O0	4	0	5,524,436	02:6
291	0	141	10:14:28.266	118IB110A111A4A	7STRP	-0.00715,0.0,26,	Slew =5,3.6	4O0	4	0	5,524,436	03:0
292	0	141	10:14:38.933	428JF6A	6RCCLR			4O0	4	0	5,524,436	19:0
293	0	141	10:14:39.600	428JF6B	6RCSET		11	4O0	4	0	5,524,436	20:0
294	0	141	10:15:02.933	118IB11A	**SMOS**	GE		4O0	4	0	5,524,436	55:0
295	0	141	10:15:04.933	165IC4A	7SCAN	NORM,132.535,27.	Check S/P Position	4O0	4	0	5,524,436	58:0
296	0	141	10:15:09.600	175TD422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4O0	4	0	5,524,436	65:0
297	0	141	10:15:09.600		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *1880.19 +/-	4O0	4	0	5,524,436	65:0
298	0	141	10:15:12.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *1884.19 +/-	4O0	4	0	5,524,436	69:1
299	0	141	10:15:13.600	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	5,524,436	71:0
300	0	141	10:15:13.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1884.31 +/-	4O0	4	0	5,524,436	71:2
301	0	141	10:15:13.733		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1884.31 +/-	4O0	4	0	5,524,436	71:2
302	0	141	10:15:18.933	118IC	**SMOS**	GS		4O0	4	0	5,524,436	79:0
303	0	141	10:15:19.600	428JG6A	6RCCLR			4O0	4	0	5,524,436	80:0
304	0	141	10:15:20.266	428JG6B	6RCSET		12	4O0	4	0	5,524,436	81:0
305	0	141	10:15:23.600		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1886.62 +/-	4O0	4	0	5,524,436	86:0
306	0	141	10:15:23.600	175IC422A6A	6DMSC	R403,1	DMS Control	4O0	4	0	5,524,436	86:0
307	0	141	10:15:24.800		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC *1886.68 +/-	4O0	4	0	5,524,436	87:8
308	0	141	10:15:25.600	165IC4B	7VECT		Inert vect update UTC	4O0	4	0	5,524,436	89:0
309	0	141	10:15:28.266	175IC176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	4O0	4	0	5,524,437	02:0
310	0	141	10:15:28.666		DMS:	**: *RECORD**	R403, TRACK 1, FWD, TIC *1909.68 +/-	4O0	4	0	5,524,437	02:6
311	0	141	10:15:28.666		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 1909.68 +/- 1	4O0	4	0	5,524,437	02:6
312	0	141	10:15:28.933	118IC110A111A4A	7STRP	-0.00715,0.0,26,	Slew =4,3.6	4O0	4	0	5,524,437	03:0
313	**0**	**141**	**10:15:30.933**	**28NNFEATRE01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
314	0	141	10:15:39.600	428JH6A	6RCCLR			4O0	4	0	5,524,437	19:0
315	0	141	10:15:40.266	428JH6B	6RCSET		11	4O0	4	0	5,524,437	20:0
316	0	141	10:15:54.933	118IC11A	**SMOS**	GE		4O0	4	0	5,524,437	42:0
317	0	141	10:16:00.266	165ID4A	7SCAN	NORM,126.247999,	Check S/P Position	4O0	4	0	5,524,437	50:0
318	0	141	10:16:01.600	175TE422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4O0	4	0	5,524,437	52:0
319	0	141	10:16:01.600		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *2314.91 +/- 1	4O0	4	0	5,524,437	52:0
320	0	141	10:16:04.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *2318.91 +/- 1	4O0	4	0	5,524,437	56:1
321	0	141	10:16:05.600	175TE176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	5,524,437	58:0
322	0	141	10:16:05.733		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2319.03 +/- 1	4O0	4	0	5,524,437	58:2
323	0	141	10:16:05.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2319.03 +/- 1	4O0	4	0	5,524,437	58:2
324	0	141	10:16:12.933	428JI6A	6RCCLR			4O0	4	0	5,524,437	69:0
325	**0**	**141**	**10:16:12.933**	**20DA5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,524,437**	**69:0**
326	0	141	10:16:13.600	428JI6B	6RCSET		12		4	0	5,524,437	70:0
327	0	141	10:16:19.600	118ID	**SMOS**	GS			4	0	5,524,437	79:0
328	**0**	**141**	**10:16:20.266**	**20DA5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,524,437**	**80:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	0	141	10:16:24.266	175ID422A6A	6DMSC	R403,1	DMS Control		4	0	5,524,437:86:0	
330	0	141	10:16:24.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2323.38 +/- 1		4	0	5,524,437:86:0	
331	0	141	10:16:25.466		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC *2323.44 +/- 1		4	0	5,524,437:87:8	
332	0	141	10:16:26.266	165ID4B	7VECT		Inert vect update UTC		4	0	5,524,437:89:0	
333	**0**	**141**	**10:16:28.266**	**20DA6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,524,438:01:0**	
334	0	141	10:16:28.933	175ID176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang		4	0	5,524,438:02:0	
335	0	141	10:16:29.333		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 2346.44 +/- 1		4	0	5,524,438:02:6	
336	0	141	10:16:29.333		DMS:	**: *RECORD**	R403, TRACK 1, FWD, TIC *2346.44 +/- 1		4	0	5,524,438:02:6	
337	0	141	10:16:29.600	118ID110A111A4A	7STRP	-0.00715,0.0,26,	Slew =4,3.6		4	0	5,524,438:03:0	
338	**0**	**141**	**10:16:38.266**	**20DA6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,524,438:16:0**	
339	0	141	10:16:40.266	428JJ6A	6RCCLR				4	0	5,524,438:19:0	
340	0	141	10:16:40.933	428JJ6B	6RCSET		11		4	0	5,524,438:20:0	
341	**0**	**141**	**10:16:48.266**	**20DA5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,524,438:31:0**	
342	**0**	**141**	**10:16:49.600**	**20DA5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,524,438:33:0**	
343	0	141	10:16:55.600	118ID11A	**SMOS**	GE		260	4	0	5,524,438:42:0	
344	0	141	10:17:00.933	165IE4A	7SCAN	NORM,87.882,25.1	Check S/P Position	260	4	0	5,524,438:50:0	
345	0	141	10:17:02.266	175TF422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	260	4	0	5,524,438:52:0	
346	0	141	10:17:02.266		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *2751.67 +/- 1	260	4	0	5,524,438:52:0	
347	0	141	10:17:05.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *2755.67 +/- 1	260	4	0	5,524,438:56:1	
348	0	141	10:17:06.266	175TF176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	260	4	0	5,524,438:58:0	
349	0	141	10:17:06.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2755.79 +/- 1	260	4	0	5,524,438:58:2	
350	0	141	10:17:06.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2755.79 +/- 1	260	4	0	5,524,438:58:2	
351	0	141	10:17:13.600	428JK6A	6RCCLR			260	4	0	5,524,438:69:0	
352	0	141	10:17:14.266	428JK6B	6RCSET		12	260	4	0	5,524,438:70:0	
353	**0**	**141**	**10:17:20.933**	**20DA4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,524,438:80:0**	
354	**0**	**141**	**10:17:32.266**	**28NNFEATRE01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
355	**0**	**141**	**10:17:32.266**	**28GNFEATRE01**		**-----START------**		**2R0**	**4**	**0**	**: :**	
356	0	141	10:18:20.933	118IE	**SMOS**	GS		2R0	4	0	5,524,439:79:0	
357	0	141	10:18:24.266	125DA11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,524,439:84:0	
358	0	141	10:18:24.266	125DA	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,524,439:84:0	
359	**0**	**141**	**10:18:24.266**	**125DA4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,524,439:84:0**	
360	0	141	10:18:25.600		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2774.35 +/- 1	2R0	4	0	5,524,439:86:0	
361	0	141	10:18:25.600	175IE422A6A	6DMSC	R403,1	DMS Control	2R0	4	0	5,524,439:86:0	
362	0	141	10:18:26.800		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC *2774.41 +/- 1	2R0	4	0	5,524,439:87:8	
363	0	141	10:18:27.600	165IE4B	7VECT		Inert vect update UTC	2R0	4	0	5,524,439:89:0	
364	0	141	10:18:30.266	175IE176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R0	4	0	5,524,440:02:0	
365	0	141	10:18:30.666		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 2797.41 +/- 2	2R0	4	0	5,524,440:02:6	
366	0	141	10:18:30.666		DMS:	**: *RECORD**	R403, TRACK 1, FWD, TIC *2797.41 +/- 1	2R0	4	0	5,524,440:02:6	
367	0	141	10:18:30.933	118IE110A111A4A	7STRP	-0.00715,0.0,26,	Slew =4,3.6	2R0	4	0	5,524,440:03:0	
368	**0**	**141**	**10:18:34.933**	**28GNCALDRA01+**	**NIMPBK**	**301FG**	**GANY CALDRA SSI RIDEALONG**	**2R0**	**4**	**0**	**: :**	
369	0	141	10:18:41.600	428JL6A	6RCCLR			2R0	4	0	5,524,440:19:0	
370	0	141	10:18:42.266	428JL6B	6RCSET		11	2R0	4	0	5,524,440:20:0	
371	0	141	10:18:56.933	118IE11A	**SMOS**	GE		2R0	4	0	5,524,440:42:0	
372	**0**	**141**	**10:19:02.266**	**28GNCALDRA01+**	**DESELC**	**300FG**	**GANY CALDRA SSI RIDEALONG**	**2R0**	**4**	**0**	**: :**	
373	0	141	10:19:03.600		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *3202.65 +/- 2	2R0	4	0	5,524,440:52:0	
374	0	141	10:19:03.600	175TG422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R0	4	0	5,524,440:52:0	
375	0	141	10:19:06.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *3206.65 +/- 2	2R0	4	0	5,524,440:56:1	
376	0	141	10:19:07.600	175TG176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R0	4	0	5,524,440:58:0	
377	0	141	10:19:07.733		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3206.77 +/- 2	2R0	4	0	5,524,440:58:2	
378	0	141	10:19:07.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3206.77 +/- 2	2R0	4	0	5,524,440:58:2	
379	0	141	10:19:24.933	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,524,440:84:0	
380	**0**	**141**	**10:19:24.933**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,524,440:84:0**	
381	**0**	**141**	**10:19:25.600**	**127DA4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,524,440:85:0**	
382	0	141	10:19:32.933	428JM6A	6RCCLR			2R3	4	0	5,524,441:05:0	
383	0	141	10:19:33.600	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,524,441:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	0	141	10:19:33.600	428JM6B	6RCSET	12		2R3	4	0	5,524,441:06:0	
385	0	141	10:19:35.600	165DA4A	**7SCAN**	**NORM,91.884,22.5**	**Check S/P Position**	2R3	4	0	5,524,441:09:0	
386	0	141	10:20:20.933	117DA	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,524,441:77:0	
387	0	141	10:20:28.933	165DA4B	7VECT		Inert vect update UTC	2R3	4	0	5,524,441:89:0	
388	0	141	10:20:30.266	117DA105A106A4A	**7STRP**	**0.014301,0.0,0,0**	**Slew =,0.03**	2R3	4	0	5,524,442:00:0	
389	0	141	10:21:22.266	175DA422A6A	6DMSC	R28,1	DMS Control	2R3	4	0	5,524,442:78:0	
390	0	141	10:21:22.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3238.30 +/- 2	2R3	4	0	5,524,442:78:0	
391	0	141	10:21:23.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC *3238.36 +/- 2	2R3	4	0	5,524,442:79:8	
392	0	141	10:21:27.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 3239.86 +/- 2	2R3	4	0	5,524,442:85:8	
393	0	141	10:21:27.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *3239.86 +/- 2	2R3	4	0	5,524,442:85:8	
394	0	141	10:21:27.600	175DA176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,524,442:86:0	
395	**0**	**141**	**10:21:28.266**	**28GNFEATRE01-**	**NIMPBK**	**301DA**	**GANYMEDE FEATURE OBSERVATION**	**2R3**	**4**	**0**	**: :**	
396	0	141	10:21:43.600	428JN6A	6RCCLR			2R3	4	0	5,524,443:19:0	
397	0	141	10:21:44.266	428JN6B	6RCSET	12		2R3	4	0	5,524,443:20:0	
398	**0**	**141**	**10:25:05.600**	**28GNFEATRE01-**	**NIMPBK**	**301DL**	**GANYMEDE FEATURE OBSERVATION**	**2R3**	**4**	**0**	**: :**	
399	**0**	**141**	**10:25:21.600**	**28GNFEATRE01-**	**DESELC**	**300DL**	**GANYMEDE FEATURE OBSERVATION**	**2R3**	**4**	**0**	**: :**	
400	0	141	10:28:32.266	117DA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,524,449:86:0	
401	**0**	**141**	**10:28:39.600**	**28GNFEATRE01**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
402	0	141	10:28:42.266	165IF4A	7SCAN	NORM,68.452999,2	Check S/P Position	2R3	4	0	5,524,450:10:0	
403	0	141	10:29:28.266	118IF	**SMOS**	GS		2R3	4	0	5,524,450:79:0	
404	**0**	**141**	**10:29:30.933**	**28GNFEATRE01-**	**DESELC**	**300DA**	**GANYMEDE FEATURE OBSERVATION**	**2R3**	**4**	**0**	**: :**	
405	0	141	10:29:32.933		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *3666.54 +/- 2	2R3	4	0	5,524,450:86:0	
406	0	141	10:29:32.933	175IF422A6A	6DMSC	R403,1	DMS Control	2R3	4	0	5,524,450:86:0	
407	0	141	10:29:34.133		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC *3666.84 +/- 2	2R3	4	0	5,524,450:87:8	
408	0	141	10:29:34.933	165IF4B	7VECT		Inert vect update UTC	2R3	4	0	5,524,450:89:0	
409	0	141	10:29:37.600	175IF176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,524,451:02:0	
410	0	141	10:29:38.000		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 3689.84 +/- 2	2R3	4	0	5,524,451:02:6	
411	0	141	10:29:38.000		DMS:	**: *RECORD**	R403, TRACK 1, FWD, TIC *3689.84 +/- 2	2R3	4	0	5,524,451:02:6	
412	0	141	10:29:38.266	118IF110A111A4A	7STRP	-0.00731,0.0,26,	Slew =,3.71	2R3	4	0	5,524,451:03:0	
413	**0**	**141**	**10:29:42.266**	**28GNSMOOTH02+**	**NIMPBK**	**301FH**	**GANY SMOOTH SSI RIDEALONG**	**2R3**	**4**	**0**	**: :**	
414	0	141	10:29:45.600	428JO6A	6RCCLR			2R3	4	0	5,524,451:14:0	
415	0	141	10:29:46.266	428JO6B	6RCSET	11		2R3	4	0	5,524,451:15:0	
416	0	141	10:29:46.933	118IF11A	**SMOS**	GE		2R3	4	0	5,524,451:16:0	
417	0	141	10:29:49.600	165IG4A	7SCAN	NORM,69.646,25.8	Check S/P Position	2R3	4	0	5,524,451:20:0	
418	**0**	**141**	**10:29:52.266**	**28GNSMOOTH02+**	**DESELC**	**300FH**	**GANY SMOOTH SSI RIDEALONG**	**2R3**	**4**	**0**	**: :**	
419	0	141	10:29:53.600	175TH422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	5,524,451:26:0	
420	0	141	10:29:53.600		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *3881.79 +/- 2	2R3	4	0	5,524,451:26:0	
421	0	141	10:29:56.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *3885.79 +/- 2	2R3	4	0	5,524,451:30:1	
422	0	141	10:29:57.600	175TH176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,524,451:32:0	
423	0	141	10:29:57.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3885.91 +/- 2	2R3	4	0	5,524,451:32:2	
424	0	141	10:29:57.733		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3885.91 +/- 2	2R3	4	0	5,524,451:32:2	
425	0	141	10:30:08.933	428JP6A	6RCCLR			2R3	4	0	5,524,451:49:0	
426	0	141	10:30:09.600	428JP6B	6RCSET	12		2R3	4	0	5,524,451:50:0	
427	0	141	10:30:28.933	118IG	**SMOS**	GS		2R3	4	0	5,524,451:79:0	
428	0	141	10:30:33.600	175IG422A6A	6DMSC	R403,1	DMS Control	2R3	4	0	5,524,451:86:0	
429	0	141	10:30:33.600		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3894.32 +/- 2	2R3	4	0	5,524,451:86:0	
430	0	141	10:30:34.800		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC *3894.38 +/- 2	2R3	4	0	5,524,451:87:8	
431	0	141	10:30:35.600	165IG4B	7VECT		Inert vect update UTC	2R3	4	0	5,524,451:89:0	
432	0	141	10:30:38.266	175IG176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,524,452:02:0	
433	0	141	10:30:38.666		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 3917.38 +/- 2	2R3	4	0	5,524,452:02:6	
434	0	141	10:30:38.666		DMS:	**: *RECORD**	R403, TRACK 1, FWD, TIC *3917.38 +/- 2	2R3	4	0	5,524,452:02:6	
435	0	141	10:30:38.933	118IG110A111A4A	7STRP	-0.00731,0.0,26,	Slew =,3.71	2R3	4	0	5,524,452:03:0	
436	**0**	**141**	**10:30:42.933**	**28GNBRTDRK02+**	**NIMPBK**	**301FI**	**GANY BRTDRK SSI RIDEALONG**	**2R3**	**4**	**0**	**: :**	
437	0	141	10:30:47.600	428JQ6A	6RCCLR			2R3	4	0	5,524,452:16:0	
438	0	141	10:30:47.600	118IG11A	**SMOS**	GE		2R3	4	0	5,524,452:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	0	141	10:30:48.266	428JQ6B	6RCSET	11		2R3	4	0	5,524,452	17:0
440	0	141	10:30:50.266	165IH4A	7SCAN	NORM,72.922,25.8	Check S/P Position	2R3	4	0	5,524,452	20:0
441	**0**	**141**	**10:30:52.933**	**28GNBRTDRK02+**	**DESELC**	**300FI**	**GANY BRTDRK SSI RIDEALONG**	**2R3**	**4**	**0**	**:**	**:**
442	0	141	10:30:54.266		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *4109.33 +/- 2	2R3	4	0	5,524,452	26:0
443	0	141	10:30:54.266	175TI422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	5,524,452	26:0
444	0	141	10:30:57.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *4113.33 +/- 2	2R3	4	0	5,524,452	30:1
445	0	141	10:30:58.266	175TI176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,524,452	32:0
446	0	141	10:30:58.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4113.45 +/- 2	2R3	4	0	5,524,452	32:2
447	0	141	10:30:58.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4113.45 +/- 2	2R3	4	0	5,524,452	32:2
448	0	141	10:31:09.600	428JR6A	6RCCLR			2R3	4	0	5,524,452	49:0
449	0	141	10:31:10.266	428JR6B	6RCSET	12		2R3	4	0	5,524,452	50:0
450	0	141	10:31:29.600	118IH	**SMOS**	GS		2R3	4	0	5,524,452	79:0
451	0	141	10:31:34.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4121.86 +/- 2	2R3	4	0	5,524,452	86:0
452	0	141	10:31:34.266	175IH422A6A	6DMSC	R403,1	DMS Control	2R3	4	0	5,524,452	86:0
453	0	141	10:31:35.466		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC *4121.92 +/- 2	2R3	4	0	5,524,452	87:8
454	0	141	10:31:36.266	165IH4B	7VECT		Inert vect update UTC	2R3	4	0	5,524,452	89:0
455	0	141	10:31:38.933	175IH176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,524,453	02:0
456	0	141	10:31:39.333		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 4144.92 +/- 3	2R3	4	0	5,524,453	02:6
457	0	141	10:31:39.333		DMS:	**: *RECORD**	R403, TRACK 1, FWD, TIC *4144.92 +/- 2	2R3	4	0	5,524,453	02:6
458	0	141	10:31:39.600	118IH110A111A4A	7STRP	-0.00731,0.0,26,	Slew =,3.71	2R3	4	0	5,524,453	03:0
459	**0**	**141**	**10:31:43.600**	**28GNNICHOL02+**	**NIMPBK**	**301FJ**	**GANY NICHOL SSI RIDEALONG**	**2R3**	**4**	**0**	**:**	**:**
460	0	141	10:31:46.933	428JS6A	6RCCLR			2R3	4	0	5,524,453	14:0
461	0	141	10:31:47.600	428JS6B	6RCSET	11		2R3	4	0	5,524,453	15:0
462	0	141	10:31:48.266	118IH11A	**SMOS**	GE		2R3	4	0	5,524,453	16:0
463	0	141	10:31:50.933	165II4A	7SCAN	NORM,74.214,26.3	Check S/P Position	2R3	4	0	5,524,453	20:0
464	**0**	**141**	**10:31:53.600**	**28GNNICHOL02+**	**DESELC**	**300FJ**	**GANY NICHOL SSI RIDEALONG**	**2R3**	**4**	**0**	**:**	**:**
465	0	141	10:31:54.933	175TJ422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	5,524,453	26:0
466	0	141	10:31:54.933		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *4336.87 +/- 3	2R3	4	0	5,524,453	26:0
467	0	141	10:31:57.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *4340.87 +/- 3	2R3	4	0	5,524,453	30:1
468	0	141	10:31:58.933	175TJ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,524,453	32:0
469	0	141	10:31:59.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4340.99 +/- 3	2R3	4	0	5,524,453	32:2
470	0	141	10:31:59.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4340.99 +/- 3	2R3	4	0	5,524,453	32:2
471	0	141	10:32:10.266	428JT6A	6RCCLR			2R3	4	0	5,524,453	49:0
472	0	141	10:32:10.933	428JT6B	6RCSET	12		2R3	4	0	5,524,453	50:0
473	0	141	10:32:30.266	118II	**SMOS**	GS		2R3	4	0	5,524,453	79:0
474	0	141	10:32:34.933		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4349.40 +/- 3	2R3	4	0	5,524,453	86:0
475	0	141	10:32:34.933	175II422A6A	6DMSC	R403,1	DMS Control	2R3	4	0	5,524,453	86:0
476	0	141	10:32:36.133		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC *4349.46 +/- 3	2R3	4	0	5,524,453	87:8
477	0	141	10:32:36.933	165II4B	7VECT		Inert vect update UTC	2R3	4	0	5,524,453	89:0
478	0	141	10:32:39.600	175II176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,524,454	02:0
479	0	141	10:32:40.000		DMS:	**: *RECORD**	R403, TRACK 1, FWD, TIC *4372.46 +/- 3	2R3	4	0	5,524,454	02:6
480	0	141	10:32:40.000		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 4372.46 +/- 3	2R3	4	0	5,524,454	02:6
481	0	141	10:32:40.266	118II110A111A4A	7STRP	-0.0065,0.0,26,0	Slew =,3.71	2R3	4	0	5,524,454	03:0
482	**0**	**141**	**10:32:44.266**	**28GNARBELA02+**	**NIMPBK**	**301FK**	**GANY ARBELA SSI RIDEALONG**	**2R3**	**4**	**0**	**:**	**:**
483	0	141	10:32:48.933	118II110A111A4B	7STRP	0.00391,0.007311	Slew =,3.91	2R3	4	0	5,524,454	16:0
484	0	141	10:32:57.600	118II110A111A4C	7STRP	-0.0065,0.0,26,0	Slew =,3.71	2R3	4	0	5,524,454	29:0
485	0	141	10:33:04.266	428JU6A	6RCCLR			2R3	4	0	5,524,454	39:0
486	0	141	10:33:04.933	428JU6B	6RCSET	11		2R3	4	0	5,524,454	40:0
487	0	141	10:33:06.266	118II110A111A4D	7STRP	0.00391,0.007311	Slew =,3.91	2R3	4	0	5,524,454	42:0
488	0	141	10:33:14.933	118II110A111A4E	7STRP	-0.0065,0.0,26,0	Slew =,3.71	2R3	4	0	5,524,454	55:0
489	0	141	10:33:23.600	118II11A	**SMOS**	GE		2R3	4	0	5,524,454	68:0
490	**0**	**141**	**10:33:28.933**	**28GNARBELA02+**	**DESELC**	**300FK**	**GANY ARBELA SSI RIDEALONG**	**2R3**	**4**	**0**	**:**	**:**
491	0	141	10:33:30.266	175TK422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	5,524,454	78:0
492	0	141	10:33:30.266		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *4990.97 +/- 3	2R3	4	0	5,524,454	78:0
493	0	141	10:33:31.600	165IJ4A	7SCAN	NORM,68.388,23.5	Check S/P Position	2R3	4	0	5,524,454	80:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	0	141	10:33:33.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *4994.97 +/- 3	2R3	4	0	5,524,454:82:1	
495	0	141	10:33:34.266	175TK176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,524,454:84:0	
496	0	141	10:33:34.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4995.09 +/- 3	2R3	4	0	5,524,454:84:2	
497	0	141	10:33:34.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4995.09 +/- 3	2R3	4	0	5,524,454:84:2	
498	**0**	**141**	**10:33:42.933**	**28NNLMSCAN01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
499	0	141	10:34:11.600	428JV6A	6RCCLR			2R3	4	0	5,524,455:49:0	
500	0	141	10:34:12.266	428JV6B	6RCSET		12	2R3	4	0	5,524,455:50:0	
501	**0**	**141**	**10:34:24.933**	**20DB5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,524,455:69:0**	
502	0	141	10:34:31.600	118IJ	**SMOS**	GS			4	0	5,524,455:79:0	
503	**0**	**141**	**10:34:32.266**	**20DB5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,524,455:80:0**	
504	0	141	10:34:36.266	175IJ422A6A	6DMSC	R403,1	DMS Control		4	0	5,524,455:86:0	
505	0	141	10:34:36.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5009.59 +/- 3		4	0	5,524,455:86:0	
506	0	141	10:34:37.466		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC *5009.65 +/- 3		4	0	5,524,455:87:8	
507	0	141	10:34:38.266	165IJ4B	7VECT		Inert vect update UTC		4	0	5,524,455:89:0	
508	**0**	**141**	**10:34:40.266**	**20DB6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,524,456:01:0**	
509	0	141	10:34:40.933	175IJ176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang		4	0	5,524,456:02:0	
510	0	141	10:34:41.333		DMS:	**: *RECORD**	R403, TRACK 1, FWD, TIC *5032.65 +/- 3		4	0	5,524,456:02:6	
511	0	141	10:34:41.333		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 5032.65 +/- 4		4	0	5,524,456:02:6	
512	0	141	10:34:41.600	118IJ110A111A4A	7STRP	-0.00731,0.0,26,	Slew =,3.71		4	0	5,524,456:03:0	
513	**0**	**141**	**10:34:50.266**	**20DB6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,524,456:16:0**	
514	0	141	10:34:50.266	118IJ11A	**SMOS**	GE			4	0	5,524,456:16:0	
515	0	141	10:34:52.266	428JW6A	6RCCLR				4	0	5,524,456:19:0	
516	0	141	10:34:52.933	428JW6B	6RCSET		11		4	0	5,524,456:20:0	
517	0	141	10:34:56.933	175TL422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp		4	0	5,524,456:26:0	
518	0	141	10:34:56.933		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *5224.61 +/- 4		4	0	5,524,456:26:0	
519	0	141	10:34:59.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *5228.61 +/- 4		4	0	5,524,456:30:1	
520	**0**	**141**	**10:35:00.266**	**20DB5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,524,456:31:0**	
521	0	141	10:35:00.933	175TL176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record		4	0	5,524,456:32:0	
522	0	141	10:35:01.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5228.73 +/- 4		4	0	5,524,456:32:2	
523	0	141	10:35:01.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5228.73 +/- 4		4	0	5,524,456:32:2	
524	**0**	**141**	**10:35:01.600**	**20DB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,524,456:33:0**	
525	**0**	**141**	**10:35:32.933**	**20DB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,524,456:80:0**	
526	0	141	10:35:43.600	428JX6A	6RCCLR			2R0	4	0	5,524,457:05:0	
527	**0**	**141**	**10:35:44.266**	**28NNLMSCAN01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
528	**0**	**141**	**10:35:44.266**	**28GNLMSCAN01**		**-----START------**		**2R0**	**4**	**0**	**: :**	
529	0	141	10:35:44.266	428JX6B	6RCSET		12	2R0	4	0	5,524,457:06:0	
530	0	141	10:36:36.266	125DB	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,524,457:84:0	
531	0	141	10:36:36.266	125DB11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,524,457:84:0	
532	**0**	**141**	**10:36:36.266**	**125DB4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**5,524,457:84:0**	
533	0	141	10:36:53.600	165DB4A	**7SCAN**	**NORM,80.679999,2**	**Check S/P Position**	4R0	4	0	5,524,458:19:0	
534	0	141	10:37:32.266	117DB	**CSMOS**	GS	***** GROUP START CSMOS	4R0	4	0	5,524,458:77:0	
535	0	141	10:37:32.933	175DB422A6A	6DMSC	R28,1	DMS Control	4R0	4	0	5,524,458:78:0	
536	0	141	10:37:32.933		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5264.32 +/- 4	4R0	4	0	5,524,458:78:0	
537	0	141	10:37:34.133		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC *5264.38 +/- 4	4R0	4	0	5,524,458:79:8	
538	**0**	**141**	**10:37:36.933**	**127DB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**5,524,458:84:0**	
539	0	141	10:37:36.933	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,524,458:84:0	
540	**0**	**141**	**10:37:37.600**	**127DB4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**5,524,458:85:0**	
541	0	141	10:37:38.133		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *5265.88 +/- 4	4R3	4	0	5,524,458:85:8	
542	0	141	10:37:38.133		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 5265.88 +/- 4	4R3	4	0	5,524,458:85:8	
543	0	141	10:37:38.266	175DB176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	5,524,458:86:0	
544	**0**	**141**	**10:37:38.933**	**28GNLMSCAN01-**	**NIMPBK**	**301DB**	**GANYMEDE LIMB SCAN OBSERVATION**	**4R3**	**4**	**0**	**: :**	
545	0	141	10:37:40.266	165DB4B	7VECT		Inert vect update UTC	4R3	4	0	5,524,458:89:0	
546	0	141	10:37:41.600	117DB105A106A4A	**7STRP**	**-0.017802,0.0,0,**	**Slew =,0.03**	4R3	4	0	5,524,459:00:0	
547	0	141	10:37:45.600	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,524,459:06:0	
548	0	141	10:40:41.600	432MA431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	5,524,461:88:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	0	141	10:40:42.266	432MA6A	6RTSL1		R/T Select of DDS and	4R3	4	0	5,524,461	89:0
550	0	141	10:40:45.600	432OA431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	5,524,462	03:0
551	0	141	10:40:46.266	432OA6A	6RTSL1		R/T Select of DDS and	4R3	4	0	5,524,462	04:0
552	0	141	10:40:47.600	428JZ6A	6RCCLR			4R3	4	0	5,524,462	06:0
553	0	141	10:40:49.600	282NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	5,524,462	09:0
554	0	141	10:41:38.266	282NB432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	5,524,462	82:0
555	0	141	10:41:38.933	282NB432A6A	6RTSL1		R/T Select of DDS and	4R3	4	0	5,524,462	83:0
556	**0**	**141**	**10:43:29.600**	**28GNLMSCAN01-**	**NIMPBK**	**301EB**	**GANYMEDE LIMB SCAN OBSERVATION**	**4R3**	**4**	**0**	**:**	**:**
557	**0**	**141**	**10:43:38.266**	**28GNLMSCAN01-**	**DESELC**	**300DB**	**GANYMEDE LIMB SCAN OBSERVATION**	**4R3**	**4**	**0**	**:**	**:**
558	**0**	**141**	**10:44:35.666**	**28GNLMSCAN01-**	**NIMPBK**	**301EM**	**GANYMEDE LIMB SCAN OBSERVATION**	**4R3**	**4**	**0**	**:**	**:**
559	**0**	**141**	**10:44:46.333**	**28GNLMSCAN01-**	**DESELC**	**300EM**	**GANYMEDE LIMB SCAN OBSERVATION**	**4R3**	**4**	**0**	**:**	**:**
560	**0**	**141**	**10:46:19.666**	**28GNLMSCAN01-**	**NIMPBK**	**301EP**	**GANYMEDE LIMB SCAN OBSERVATION**	**4R3**	**4**	**0**	**:**	**:**
561	**0**	**141**	**10:46:29.666**	**28GNLMSCAN01-**	**DESELC**	**300EP**	**GANYMEDE LIMB SCAN OBSERVATION**	**4R3**	**4**	**0**	**:**	**:**
562	**0**	**141**	**10:46:45.666**	**28GNLMSCAN01-**	**NIMPBK**	**301ES**	**GANYMEDE LIMB SCAN OBSERVATION**	**4R3**	**4**	**0**	**:**	**:**
563	**0**	**141**	**10:47:00.333**	**28GNLMSCAN01-**	**DESELC**	**300ES**	**GANYMEDE LIMB SCAN OBSERVATION**	**4R3**	**4**	**0**	**:**	**:**
564	0	141	10:47:44.933	117DB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,524,468	86:0
565	**0**	**141**	**10:49:38.266**	**28GNLMSCAN01-**	**DESELC**	**300EB**	**GANYMEDE LIMB SCAN OBSERVATION**	**4R3**	**4**	**0**	**:**	**:**
566	0	141	10:49:38.933	175DB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,524,470	75:0
567	0	141	10:49:38.933		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *5899.39 +/- 4	4R3	4	0	5,524,470	75:0
568	0	141	10:49:40.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5899.69 +/- 4	4R3	4	0	5,524,470	76:8
569	**0**	**141**	**10:49:53.600**	**28GNLMSCAN01**		**-----STOP-------**		**4R3**	**4**	**0**	**:**	**:**
570	0	141	10:50:34.266	165IR4A	7SCAN	NORM,66.353,21.9	Check S/P Position	4R3	4	0	5,524,471	67:0
571	0	141	10:50:50.266	411KV6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,524,472	00:0
572	0	141	10:50:50.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5899.69 +/- 4	4R3	4	0	5,524,472	00:0
573	0	141	10:50:56.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5899.69 +/- 4	4R3	4	0	5,524,472	10:0
574	0	141	10:50:58.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5899.81 +/- 4	4R3	4	0	5,524,472	12:1
575	0	141	10:50:58.333		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5899.81 +/- 4	4R3	4	0	5,524,472	12:1
576	0	141	10:51:00.266	411KV6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	5,524,472	15:0
577	0	141	10:53:01.600	411KV6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,524,474	15:0
578	0	141	10:53:02.266	411KV6D	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,524,474	16:0
579	0	141	10:53:02.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5928.86 +/- 4	4R3	4	0	5,524,474	16:0
580	0	141	10:53:03.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5928.92 +/- 4	4R3	4	0	5,524,474	17:8
581	0	141	10:54:28.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5928.92 +/- 4	4R3	4	0	5,524,475	55:0
582	0	141	10:54:28.933	175IR422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	5,524,475	55:0
583	0	141	10:54:35.600		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5928.92 +/- 4	4R3	4	0	5,524,475	65:0
584	0	141	10:54:36.266	165IR4B	7VECT		Inert vect update UTC	4R3	4	0	5,524,475	66:0
585	0	141	10:54:38.933	175IR176A6A	6TMREC	**HIS**	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	5,524,475	70:0
586	0	141	10:54:39.600		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5935.22 +/- 4	4R3	4	0	5,524,475	71:0
587	0	141	10:54:39.600		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5935.22 +/- 4	4R3	4	0	5,524,475	71:0
588	0	141	10:54:47.600	175IR422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,524,475	83:0
589	0	141	10:54:47.600		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5963.35 +/- 4	4R3	4	0	5,524,475	83:0
590	0	141	10:54:48.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5964.35 +/- 4	4R3	4	0	5,524,475	84:8
591	0	141	11:24:12.266		DMS:	: READY	RDY, TRACK *2, *REV, TIC 5964.35 +/- 4	4R3	4	0	5,524,505	00:0
592	0	141	11:24:12.266	465KB6A	6DMSC	RDY,2	DMS Control Tape stop	4R3	4	0	5,524,505	00:0
593	0	141	11:37:16.933	488AG6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4R3	4	0	5,524,517	85:0
594	**0**	**141**	**11:44:29.600**	**28NNPERRIN01-**		**-----START------**		**4R3**	**4**	**0**	**:**	**:**
595	**0**	**141**	**11:45:11.600**	**20DC5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,524,525**	**69:0**
596	**0**	**141**	**11:45:18.933**	**20DC5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,524,525**	**80:0**
597	**0**	**141**	**11:45:26.933**	**20DC6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,524,526**	**01:0**
598	**0**	**141**	**11:45:36.933**	**20DC6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,524,526**	**16:0**
599	**0**	**141**	**11:45:46.933**	**20DC5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,524,526**	**31:0**
600	**0**	**141**	**11:45:48.266**	**20DC5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,524,526**	**33:0**
601	**0**	**141**	**11:46:19.600**	**20DC4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,524,526**	**80:0**
602	**0**	**141**	**11:46:30.933**	**28NNPERRIN01-**		**-----STOP-------**		**2R0**	**4**	**0**	**:**	**:**
603	**0**	**141**	**11:46:30.933**	**28GNPERRIN01**		**-----START------**		**2R0**	**4**	**0**	**:**	**:**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
604	**0**	**141**	**11:47:22.933**	**125DC4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,524,527:84:0**
605	0	141	11:47:22.933	125DC11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,524,527:84:0
606	0	141	11:47:22.933	125DC	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,524,527:84:0
607	0	141	11:48:27.600	165DC4A	**7SCAN**	**NORM,64.549,24.3**	**Check S/P Position**	2R0	4	0	5,524,528:90:0
608	0	141	11:51:25.600	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,524,531:84:0
609	**0**	**141**	**11:51:25.600**	**127DC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,524,531:84:0**
610	**0**	**141**	**11:51:26.266**	**127DC4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,524,531:85:0**
611	0	141	11:51:34.266	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,524,532:06:0
612	0	141	11:52:21.600	117DC	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,524,532:77:0
613	0	141	11:52:29.600	165DC4B	7VECT		Inert vect update UTC	2R3	4	0	5,524,532:89:0
614	0	141	11:52:30.933	117DC105A106A4A	**7STRP**	**0.017802,0.0,0,0**	**Slew =,0.03**	2R3	4	0	5,524,533:00:0
615	0	141	12:02:22.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5964.35 +/- 4	2R3	4	0	5,524,542:69:0
616	0	141	12:02:22.933	175DC422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,524,542:69:0
617	0	141	12:02:24.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5964.47 +/- 4	2R3	4	0	5,524,542:71:1
618	0	141	12:02:27.600	117DC105A106A4B	**7STRP**	**-0.017802,0.0080**	**Slew =12.01**	2R3	4	0	5,524,542:76:0
619	0	141	12:02:29.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5965.70 +/- 4	2R3	4	0	5,524,542:79:0
620	0	141	12:02:30.800		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *5965.76 +/- 4	2R3	4	0	5,524,542:80:8
621	0	141	12:02:34.266	175DC176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,524,542:86:0
622	0	141	12:02:34.800		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 5964.26 +/- 4	2R3	4	0	5,524,542:86:8
623	0	141	12:02:34.800		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *5964.26 +/- 4	2R3	4	0	5,524,542:86:8
624	**0**	**141**	**12:02:34.933**	**28GNPERRIN01-**	**NIMPBK**	**301DC**	**GANYMEDE PERRINE OBSERVATION**	**2R3**	**4**	**0**	**: :**
625	0	141	12:02:40.933	117DC105A106A4C	**7STRP**	**0.017802,0.0,0,0**	**Slew =,0.03**	2R3	4	0	5,524,543:05:0
626	**0**	**141**	**12:10:34.933**	**28GNPERRIN01-**	**DESELC**	**300DC**	**GANYMEDE PERRINE OBSERVATION**	**2R3**	**4**	**0**	**: :**
627	0	141	12:10:37.600	175DC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,550:83:0
628	0	141	12:10:37.600		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *5539.92 +/- 4	2R3	4	0	5,524,550:83:0
629	0	141	12:10:38.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5539.62 +/- 4	2R3	4	0	5,524,550:84:8
630	0	141	12:12:37.600	117DC105A106A4D	**7STRP**	**-0.017802,0.0080**	**Slew =12.01**	2R3	4	0	5,524,552:81:0
631	0	141	12:12:50.933	117DC105A106A4E	**7STRP**	**0.017802,0.0,0,0**	**Slew =,0.03**	2R3	4	0	5,524,553:10:0
632	0	141	12:22:47.600	117DC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,524,562:86:0
633	0	141	12:22:50.266	165GC4A	7SCAN	NORM,63.823,25.3	Check S/P Position	2R3	4	0	5,524,562:90:0
634	**0**	**141**	**12:22:54.933**	**28GNPERRIN01**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
635	0	141	12:26:53.600	176GC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,524,567:00:0
636	0	141	12:27:44.933	117GC	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,524,567:77:0
637	0	141	12:27:54.266	117GC105A106A4A	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,568:00:0
638	0	141	12:29:08.933	117GC105A106A4B	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,569:21:0
639	0	141	12:29:17.600	117GC105A106A4C	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,569:34:0
640	0	141	12:30:32.266	117GC105A106A4D	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,570:55:0
641	0	141	12:30:40.933	117GC105A106A4E	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,570:68:0
642	0	141	12:31:55.600	117GC105A106A4F	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,571:89:0
643	0	141	12:32:04.266	117GC105A106A4G	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,572:11:0
644	0	141	12:33:18.933	117GC105A106A4H	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,573:32:0
645	0	141	12:33:27.600	117GC105A106A4I	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,573:45:0
646	0	141	12:34:42.266	117GC105A106A4J	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,574:66:0
647	0	141	12:34:50.933	117GC105A106A4K	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,574:79:0
648	0	141	12:36:05.600	117GC105A106A4L	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,576:09:0
649	0	141	12:36:14.266	117GC105A106A4M	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,576:22:0
650	0	141	12:37:28.933	117GC105A106A4N	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,577:43:0
651	0	141	12:37:37.600	117GC105A106A4O	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,577:56:0
652	0	141	12:38:52.266	117GC105A106A4P	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,578:77:0
653	0	141	12:39:00.933	117GC105A106A4Q	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,578:90:0
654	0	141	12:39:28.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5539.62 +/- 4	2R3	4	0	5,524,579:40:0
655	0	141	12:39:28.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,579:40:0
656	0	141	12:39:29.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5539.74 +/- 4	2R3	4	0	5,524,579:42:1
657	0	141	12:39:34.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5540.98 +/- 4	2R3	4	0	5,524,579:50:0
658	0	141	12:39:36.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5541.04 +/- 4	2R3	4	0	5,524,579:51:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	0	141	12:39:37.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5540.92 +/- 4	2R3	4	0	5,524,579	53:9
660	0	141	12:39:53.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5537.15 +/- 4	2R3	4	0	5,524,579	78:0
661	0	141	12:40:15.600	117GC105A106A4R	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,580	20:0
662	0	141	12:40:16.266		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5531.84 +/- 4	2R3	4	0	5,524,580	21:0
663	0	141	12:40:16.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,580	21:0
664	0	141	12:40:17.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5531.78 +/- 4	2R3	4	0	5,524,580	22:8
665	0	141	12:40:24.266	117GC105A106A4S	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,580	33:0
666	0	141	12:41:38.933	117GC105A106A4T	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,581	54:0
667	0	141	12:41:47.600	117GC105A106A4U	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,581	67:0
668	0	141	12:43:02.266	117GC105A106A4V	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,582	88:0
669	0	141	12:43:10.933	117GC105A106A4W	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,583	10:0
670	0	141	12:44:25.600	117GC105A106A4X	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,584	31:0
671	0	141	12:44:34.266	117GC105A106A4Y	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,584	44:0
672	0	141	12:45:48.933	117GC105A106A4Z	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,585	65:0
673	0	141	12:45:57.600	117GC105A106A4AA	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,585	78:0
674	0	141	12:47:12.266	117GC105A106A4AB	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,587	08:0
675	0	141	12:47:20.933	117GC105A106A4AC	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,587	21:0
676	0	141	12:48:35.600	117GC105A106A4AD	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,588	42:0
677	0	141	12:48:44.266	117GC105A106A4AE	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,588	55:0
678	0	141	12:49:58.933	117GC105A106A4AF	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,589	76:0
679	0	141	12:50:07.600	117GC105A106A4AG	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,589	89:0
680	0	141	12:51:22.266	117GC105A106A4AH	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,591	19:0
681	0	141	12:51:30.933	117GC105A106A4AI	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,591	32:0
682	0	141	12:52:30.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5531.78 +/- 4	2R3	4	0	5,524,592	30:0
683	0	141	12:52:30.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,592	30:0
684	0	141	12:52:31.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5531.90 +/- 4	2R3	4	0	5,524,592	32:1
685	0	141	12:52:36.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5533.14 +/- 4	2R3	4	0	5,524,592	40:0
686	0	141	12:52:38.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5533.20 +/- 4	2R3	4	0	5,524,592	41:8
687	0	141	12:52:39.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5533.08 +/- 4	2R3	4	0	5,524,592	43:9
688	0	141	12:52:45.600	117GC105A106A4AJ	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,592	53:0
689	0	141	12:52:54.266	117GC105A106A4AK	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,592	66:0
690	0	141	12:52:55.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5529.31 +/- 4	2R3	4	0	5,524,592	68:0
691	0	141	12:53:18.266		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5524.00 +/- 4	2R3	4	0	5,524,593	11:0
692	0	141	12:53:18.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,593	11:0
693	0	141	12:53:19.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5523.94 +/- 4	2R3	4	0	5,524,593	12:8
694	0	141	12:54:08.933	117GC105A106A4AL	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,593	87:0
695	0	141	12:54:17.600	117GC105A106A4AM	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,594	09:0
696	0	141	12:55:32.266	117GC105A106A4AN	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,595	30:0
697	0	141	12:55:40.933	117GC105A106A4AO	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,595	43:0
698	0	141	12:56:55.600	117GC105A106A4AP	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,596	64:0
699	0	141	12:57:04.266	117GC105A106A4AQ	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,596	77:0
700	0	141	12:58:18.933	117GC105A106A4AR	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,598	07:0
701	0	141	12:58:27.600	117GC105A106A4AS	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,598	20:0
702	0	141	12:59:42.266	117GC105A106A4AT	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,599	41:0
703	0	141	12:59:50.933	117GC105A106A4AU	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,599	54:0
704	0	141	13:01:05.600	117GC105A106A4AV	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,600	75:0
705	0	141	13:01:14.266	117GC105A106A4AW	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,600	88:0
706	0	141	13:02:28.933	117GC105A106A4AX	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,602	18:0
707	0	141	13:02:37.600	117GC105A106A4AY	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,602	31:0
708	0	141	13:03:52.266	117GC105A106A4AZ	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,603	52:0
709	0	141	13:04:00.933	117GC105A106A4BA	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,603	65:0
710	0	141	13:05:15.600	117GC105A106A4BB	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,604	86:0
711	0	141	13:05:24.266	117GC105A106A4BC	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,605	08:0
712	0	141	13:05:32.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,605	20:0
713	0	141	13:05:32.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5523.94 +/- 4	2R3	4	0	5,524,605	20:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	0	141	13:05:33.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5524.06 +/- 4	2R3	4	0	5,524,605:22:1	
715	0	141	13:05:38.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5525.29 +/- 4	2R3	4	0	5,524,605:30:0	
716	0	141	13:05:40.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5525.35 +/- 4	2R3	4	0	5,524,605:31:8	
717	0	141	13:05:41.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5525.23 +/- 4	2R3	4	0	5,524,605:33:9	
718	0	141	13:05:57.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5521.47 +/- 4	2R3	4	0	5,524,605:58:0	
719	0	141	13:06:20.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,606:01:0	
720	0	141	13:06:20.266		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5516.15 +/- 4	2R3	4	0	5,524,606:01:0	
721	0	141	13:06:21.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5516.09 +/- 4	2R3	4	0	5,524,606:02:8	
722	0	141	13:06:38.933	117GC105A106A4BD	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,606:29:0	
723	0	141	13:06:47.600	117GC105A106A4BE	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,606:42:0	
724	0	141	13:08:02.266	117GC105A106A4BF	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,607:63:0	
725	0	141	13:08:10.933	117GC105A106A4BG	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,607:76:0	
726	0	141	13:09:25.600	117GC105A106A4BH	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,609:06:0	
727	0	141	13:09:34.266	117GC105A106A4BI	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,609:19:0	
728	0	141	13:10:48.933	117GC105A106A4BJ	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,610:40:0	
729	0	141	13:10:57.600	117GC105A106A4BK	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,610:53:0	
730	0	141	13:12:12.266	117GC105A106A4BL	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,611:74:0	
731	0	141	13:12:20.933	117GC105A106A4BM	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,611:87:0	
732	0	141	13:13:35.600	117GC105A106A4BN	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,613:17:0	
733	0	141	13:13:44.266	117GC105A106A4BO	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,613:30:0	
734	0	141	13:14:58.933	117GC105A106A4BP	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,614:51:0	
735	0	141	13:15:07.600	117GC105A106A4BQ	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,614:64:0	
736	0	141	13:16:22.266	117GC105A106A4BR	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,615:85:0	
737	0	141	13:16:30.933	117GC105A106A4BS	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,616:07:0	
738	0	141	13:17:45.600	117GC105A106A4BT	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,617:28:0	
739	0	141	13:17:54.266	117GC105A106A4BU	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,617:41:0	
740	0	141	13:18:34.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,618:11:0	
741	0	141	13:18:34.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5516.09 +/- 4	2R3	4	0	5,524,618:11:0	
742	0	141	13:18:36.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5516.21 +/- 4	2R3	4	0	5,524,618:13:1	
743	0	141	13:18:41.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5517.45 +/- 4	2R3	4	0	5,524,618:21:0	
744	0	141	13:18:42.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5517.51 +/- 4	2R3	4	0	5,524,618:22:8	
745	0	141	13:18:44.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5517.39 +/- 4	2R3	4	0	5,524,618:24:9	
746	0	141	13:18:59.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5513.78 +/- 4	2R3	4	0	5,524,618:48:0	
747	0	141	13:19:08.933	117GC105A106A4BV	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,618:62:0	
748	0	141	13:19:17.600	117GC105A106A4BW	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,618:75:0	
749	0	141	13:19:22.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,618:82:0	
750	0	141	13:19:22.266		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5508.47 +/- 4	2R3	4	0	5,524,618:82:0	
751	0	141	13:19:23.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5508.41 +/- 4	2R3	4	0	5,524,618:83:8	
752	0	141	13:20:32.266	117GC105A106A4BX	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,620:05:0	
753	0	141	13:20:40.933	117GC105A106A4BY	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,620:18:0	
754	0	141	13:21:55.600	117GC105A106A4BZ	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,621:39:0	
755	0	141	13:22:04.266	117GC105A106A4CA	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,621:52:0	
756	0	141	13:23:18.933	117GC105A106A4CB	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,622:73:0	
757	0	141	13:23:27.600	117GC105A106A4CC	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,622:86:0	
758	0	141	13:24:42.266	117GC105A106A4CD	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,624:16:0	
759	0	141	13:24:50.933	117GC105A106A4CE	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,624:29:0	
760	0	141	13:26:05.600	117GC105A106A4CF	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,625:50:0	
761	0	141	13:26:14.266	117GC105A106A4CG	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,625:63:0	
762	0	141	13:27:28.933	117GC105A106A4CH	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,626:84:0	
763	0	141	13:27:37.600	117GC105A106A4CI	7STRP	0.048037,0.0,0,0	Slew =,0.68	2R3	4	0	5,524,627:06:0	
764	0	141	13:28:52.266	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,524,628:27:0	
765	0	141	13:29:34.266	165GD4A	7SCAN	NORM,294.375,-23	Check S/P Position	2R3	4	0	5,524,628:90:0	
766	0	141	13:30:22.933	176GC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,524,629:72:0	
767	0	141	13:30:24.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,629:75:0	
768	0	141	13:30:24.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5508.41 +/- 4	2R3	4	0	5,524,629:75:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	0	141	13:30:26.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5508.53 +/- 4	2R3	4	0	5,524,629:77:1	
770	0	141	13:30:31.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5509.76 +/- 4	2R3	4	0	5,524,629:85:0	
771	0	141	13:30:32.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5509.82 +/- 4	2R3	4	0	5,524,629:86:8	
772	0	141	13:30:34.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5509.70 +/- 4	2R3	4	0	5,524,629:88:9	
773	0	141	13:30:34.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5509.53 +/- 4	2R3	4	0	5,524,629:90:0	
774	0	141	13:30:55.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,630:30:0	
775	0	141	13:30:55.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5504.68 +/- 4	2R3	4	0	5,524,630:30:0	
776	0	141	13:30:56.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5504.62 +/- 4	2R3	4	0	5,524,630:31:8	
777	0	141	13:33:37.600	176GD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,524,633:00:0	
778	0	141	13:34:28.933	117GD	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,524,633:77:0	
779	0	141	13:34:38.266	117GD105A106A4A	7STRP	0.001,-0.0062,0,	Slew =,0.38	2R3	4	0	5,524,634:00:0	
780	0	141	13:34:59.600	117GD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,524,634:32:0	
781	0	141	13:37:09.600	176GD6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,524,636:45:0	
782	0	141	13:37:11.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5504.62 +/- 4	2R3	4	0	5,524,636:48:0	
783	0	141	13:37:11.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,636:48:0	
784	0	141	13:37:13.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5504.74 +/- 4	2R3	4	0	5,524,636:50:1	
785	0	141	13:37:18.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5505.98 +/- 4	2R3	4	0	5,524,636:58:0	
786	0	141	13:37:19.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5506.04 +/- 4	2R3	4	0	5,524,636:59:8	
787	0	141	13:37:20.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5505.92 +/- 4	2R3	4	0	5,524,636:61:9	
788	0	141	13:37:21.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5505.75 +/- 4	2R3	4	0	5,524,636:63:0	
789	0	141	13:37:33.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,636:81:0	
790	0	141	13:37:33.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5502.93 +/- 4	2R3	4	0	5,524,636:81:0	
791	0	141	13:37:34.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5502.87 +/- 4	2R3	4	0	5,524,636:82:8	
792	0	141	14:00:00.266	481UC4A	7VECT		Inert vect update UTC	2R3	4	0	5,524,659:08:0	
793	0	141	14:45:00.266	480SB6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,524,703:54:0	
794	0	141	14:51:40.266	480SB6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,524,710:17:0	
795	0	141	14:53:29.600	165GE4A	7SCAN	NORM,301.957996,	Check S/P Position	2R3	4	0	5,524,711:90:0	
796	0	141	14:57:32.933	176GE6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,524,716:00:0	
797	0	141	14:58:24.266	117GE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,524,716:77:0	
798	0	141	14:58:33.600	117GE105A106A4A	7STRP	0.001,-0.006,0,0	Slew =,0.38	2R3	4	0	5,524,717:00:0	
799	0	141	14:58:54.933	117GE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,524,717:32:0	
800	0	141	15:01:04.933	176GE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,524,719:45:0	
801	0	141	15:01:06.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,719:48:0	
802	0	141	15:01:06.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5502.87 +/- 4	2R3	4	0	5,524,719:48:0	
803	0	141	15:01:08.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5502.99 +/- 4	2R3	4	0	5,524,719:50:1	
804	0	141	15:01:13.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5504.23 +/- 4	2R3	4	0	5,524,719:58:0	
805	0	141	15:01:14.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5504.29 +/- 4	2R3	4	0	5,524,719:59:8	
806	0	141	15:01:16.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5504.17 +/- 4	2R3	4	0	5,524,719:61:9	
807	0	141	15:01:16.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5504.00 +/- 4	2R3	4	0	5,524,719:63:0	
808	0	141	15:01:28.933		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5501.18 +/- 4	2R3	4	0	5,524,719:81:0	
809	0	141	15:01:28.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,719:81:0	
810	0	141	15:01:30.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5501.12 +/- 4	2R3	4	0	5,524,719:82:8	
811	0	141	15:28:36.933	488AH6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,524,746:66:0	
812	**0**	**141**	**16:02:19.600**	**28NNGLOBAL01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
813	**0**	**141**	**16:03:01.600**	**20DD5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,524,780:69:0**	
814	**0**	**141**	**16:03:08.933**	**20DD5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,524,780:80:0**	
815	0	141	16:03:15.600	165DD4A	**7SCAN**	**NORM,62.894,23.3**	**Check S/P Position**		4	0	5,524,780:90:0	
816	**0**	**141**	**16:03:16.933**	**20DD6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,524,781:01:0**	
817	**0**	**141**	**16:03:26.933**	**20DD6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,524,781:16:0**	
818	**0**	**141**	**16:03:36.933**	**20DD5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,524,781:31:0**	
819	**0**	**141**	**16:03:38.266**	**20DD5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,524,781:33:0**	
820	**0**	**141**	**16:04:09.600**	**20DD4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,524,781:80:0**	
821	**0**	**141**	**16:04:20.933**	**28NNGLOBAL01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
822	**0**	**141**	**16:04:20.933**	**28GNGLOBAL01**		**-----START------**		**2R0**	**4**	**0**	**: :**	
823	**0**	**141**	**16:05:12.933**	**125DD4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,524,782:84:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	0	141	16:05:12.933	125DD11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,524,782:84:0	
825	0	141	16:05:12.933	125DD	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,524,782:84:0	
826	**0**	**141**	**16:06:13.600**	**127DD4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,524,783:84:0**	
827	0	141	16:06:13.600	127DD	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,524,783:84:0	
828	**0**	**141**	**16:06:14.266**	**127DD4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,524,783:85:0**	
829	0	141	16:06:22.266	127DD11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,524,784:06:0	
830	0	141	16:07:09.600	117DD	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,524,784:77:0	
831	0	141	16:07:18.933	117DD105A106A4A	**7STRP**	**0.027007,0.0,0,0**	**Slew =,0.03**	2R3	4	0	5,524,785:00:0	
832	0	141	16:22:28.933	117DD105A106A4B	**7STRP**	**-0.027007,0.0070**	**Slew =12.01**	2R3	4	0	5,524,800:00:0	
833	0	141	16:22:43.600	117DD105A106A4C	**7STRP**	**0.027007,0.0,0,0**	**Slew =,0.03**	2R3	4	0	5,524,800:22:0	
834	0	141	16:23:14.933	175DD422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,524,800:69:0	
835	0	141	16:23:14.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5501.12 +/- 4	2R3	4	0	5,524,800:69:0	
836	0	141	16:23:16.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5501.24 +/- 4	2R3	4	0	5,524,800:71:1	
837	0	141	16:23:21.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5502.48 +/- 4	2R3	4	0	5,524,800:79:0	
838	0	141	16:23:22.800		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *5502.54 +/- 4	2R3	4	0	5,524,800:80:8	
839	0	141	16:23:26.266	175DD176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,524,800:86:0	
840	0	141	16:23:26.800		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 5501.04 +/- 4	2R3	4	0	5,524,800:86:8	
841	0	141	16:23:26.800		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *5501.04 +/- 4	2R3	4	0	5,524,800:86:8	
842	**0**	**141**	**16:23:26.933**	**28GNGLOBAL01-**	**NIMPBK**	**301DD**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
843	**0**	**141**	**16:27:21.600**	**28GNGLOBAL01-**	**NIMPBK**	**301DM**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
844	**0**	**141**	**16:27:31.600**	**28GNGLOBAL01-**	**DESELC**	**300DM**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
845	**0**	**141**	**16:29:18.266**	**28GNGLOBAL01-**	**NIMPBK**	**301ED**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
846	**0**	**141**	**16:29:26.933**	**28GNGLOBAL01-**	**DESELC**	**300DD**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
847	**0**	**141**	**16:33:16.800**	**28GNGLOBAL01-**	**NIMPBK**	**301ET**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
848	**0**	**141**	**16:33:28.333**	**28GNGLOBAL01-**	**DESELC**	**300ET**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
849	**0**	**141**	**16:35:26.933**	**28GNGLOBAL01-**	**DESELC**	**300ED**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
850	0	141	16:35:29.600	175DD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,812:79:0	
851	0	141	16:35:29.600		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *4865.77 +/- 4	2R3	4	0	5,524,812:79:0	
852	0	141	16:35:30.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4865.47 +/- 4	2R3	4	0	5,524,812:80:8	
853	0	141	16:37:53.600	117DD105A106A4D	**7STRP**	**-0.027007,0.0070**	**Slew =12.01**	2R3	4	0	5,524,815:22:0	
854	0	141	16:38:08.266	117DD105A106A4E	**7STRP**	**0.027007,0.0,0,0**	**Slew =,0.03**	2R3	4	0	5,524,815:44:0	
855	0	141	16:53:18.266	117DD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,524,830:44:0	
856	0	141	16:53:48.933	165GF4A	7SCAN	NORM,314.153999,	Check S/P Position	2R3	4	0	5,524,830:90:0	
857	**0**	**141**	**16:53:53.600**	**28GNGLOBAL01**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
858	0	141	16:57:52.266	176GF6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,524,835:00:0	
859	0	141	16:58:43.600	117GF	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,524,835:77:0	
860	0	141	16:58:52.933	117GF105A106A4A	7STRP	0.001,-0.006,0,0	Slew =,0.38	2R3	4	0	5,524,836:00:0	
861	0	141	16:59:14.266	117GF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,524,836:32:0	
862	0	141	17:01:24.266	176GF6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,524,838:45:0	
863	0	141	17:01:26.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4865.47 +/- 4	2R3	4	0	5,524,838:48:0	
864	0	141	17:01:26.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,838:48:0	
865	0	141	17:01:27.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4865.59 +/- 4	2R3	4	0	5,524,838:50:1	
866	0	141	17:01:32.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4866.82 +/- 4	2R3	4	0	5,524,838:58:0	
867	0	141	17:01:34.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4866.88 +/- 4	2R3	4	0	5,524,838:59:8	
868	0	141	17:01:35.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4866.76 +/- 4	2R3	4	0	5,524,838:61:9	
869	0	141	17:01:36.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4866.59 +/- 4	2R3	4	0	5,524,838:63:0	
870	0	141	17:01:48.266		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4863.78 +/- 4	2R3	4	0	5,524,838:81:0	
871	0	141	17:01:48.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,838:81:0	
872	0	141	17:01:49.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4863.72 +/- 4	2R3	4	0	5,524,838:82:8	
873	0	141	17:04:56.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4863.72 +/- 4	2R3	4	0	5,524,842:00:0	
874	0	141	17:04:56.933	411JF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,842:00:0	
875	0	141	17:04:58.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4863.84 +/- 4	2R3	4	0	5,524,842:02:1	
876	0	141	17:05:03.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4865.07 +/- 4	2R3	4	0	5,524,842:10:0	
877	0	141	17:05:04.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4865.13 +/- 4	2R3	4	0	5,524,842:11:8	
878	0	141	17:05:06.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4865.01 +/- 4	2R3	4	0	5,524,842:13:9	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	0	141	17:05:06.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4865.01 +/- 4	2R3	4	0	5,524,842:13:9	
880	0	141	17:05:06.933	411JF6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,524,842:15:0	
881	0	141	17:07:08.266	411JF6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,524,844:15:0	
882	0	141	17:07:10.933	175TM176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,524,844:19:0	
883	0	141	17:07:11.600	175TM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,844:20:0	
884	0	141	17:07:18.266	175TM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,844:30:0	
885	0	141	17:07:18.266		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4834.06 +/- 4	2R3	4	0	5,524,844:30:0	
886	0	141	17:07:19.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4834.00 +/- 4	2R3	4	0	5,524,844:31:8	
887	0	141	18:54:08.266	165GH4A	7SCAN	NORM,327.709,-14	Check S/P Position	2R3	4	0	5,524,949:90:0	
888	0	141	18:58:11.600	176GH6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,524,954:00:0	
889	0	141	18:59:02.933	117GH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,524,954:77:0	
890	0	141	18:59:12.266	117GH105A106A4A	7STRP	0.001,-0.007,0,0	Slew =,0.42	2R3	4	0	5,524,955:00:0	
891	0	141	18:59:33.600	117GH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,524,955:32:0	
892	0	141	19:01:43.600	176GH6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,524,957:45:0	
893	0	141	19:01:45.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,957:48:0	
894	0	141	19:01:45.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4834.00 +/- 4	2R3	4	0	5,524,957:48:0	
895	0	141	19:01:47.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4834.12 +/- 4	2R3	4	0	5,524,957:50:1	
896	0	141	19:01:52.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4835.35 +/- 4	2R3	4	0	5,524,957:58:0	
897	0	141	19:01:53.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4835.41 +/- 4	2R3	4	0	5,524,957:59:8	
898	0	141	19:01:54.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4835.29 +/- 4	2R3	4	0	5,524,957:61:9	
899	0	141	19:01:55.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4835.12 +/- 4	2R3	4	0	5,524,957:63:0	
900	0	141	19:02:07.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,957:81:0	
901	0	141	19:02:07.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4832.31 +/- 4	2R3	4	0	5,524,957:81:0	
902	0	141	19:02:08.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4832.25 +/- 4	2R3	4	0	5,524,957:82:8	
903	0	141	20:53:26.933	165GI4A	7SCAN	NORM,341.907997,	Check S/P Position	2R3	4	0	5,525,067:90:0	
904	0	141	20:57:30.266	176GI6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,525,072:00:0	
905	0	141	20:58:21.600	117GI	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,525,072:77:0	
906	0	141	20:58:30.933	117GI105A106A4A	7STRP	0.001,-0.0069,0,	Slew =,0.42	2R3	4	0	5,525,073:00:0	
907	0	141	20:58:52.266	117GI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,525,073:32:0	
908	0	141	21:01:02.266	176GI6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,525,075:45:0	
909	0	141	21:01:04.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,525,075:48:0	
910	0	141	21:01:04.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4832.25 +/- 4	2R3	4	0	5,525,075:48:0	
911	0	141	21:01:05.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4832.37 +/- 4	2R3	4	0	5,525,075:50:1	
912	0	141	21:01:10.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4833.60 +/- 4	2R3	4	0	5,525,075:58:0	
913	0	141	21:01:12.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4833.66 +/- 4	2R3	4	0	5,525,075:59:8	
914	0	141	21:01:13.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4833.54 +/- 4	2R3	4	0	5,525,075:61:9	
915	0	141	21:01:14.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4833.37 +/- 4	2R3	4	0	5,525,075:63:0	
916	0	141	21:01:26.266		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4830.56 +/- 4	2R3	4	0	5,525,075:81:0	
917	0	141	21:01:26.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,525,075:81:0	
918	0	141	21:01:27.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4830.50 +/- 4	2R3	4	0	5,525,075:82:8	
919	0	141	21:16:54.266	488AH6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,525,091:17:0	
920	0	141	21:18:12.933	488AH6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,525,092:44:0	
921	**0**	**141**	**21:52:10.266**	**28NNECLPSE01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
922	**0**	**141**	**21:52:52.266**	**20DE5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,525,126:69:0**	
923	**0**	**141**	**21:52:59.600**	**20DE5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,525,126:80:0**	
924	**0**	**141**	**21:53:07.600**	**20DE6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,525,127:01:0**	
925	**0**	**141**	**21:53:17.600**	**20DE6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,525,127:16:0**	
926	**0**	**141**	**21:53:27.600**	**20DE5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,525,127:31:0**	
927	**0**	**141**	**21:53:28.933**	**20DE5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,525,127:33:0**	
928	**0**	**141**	**21:54:00.266**	**20DE4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,525,127:80:0**	
929	**0**	**141**	**21:54:11.599**	**28ENECLPSE01**		**-----START------**		**2R0**	**4**	**0**	**: :**	
930	**0**	**141**	**21:54:11.599**	**28NNECLPSE01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
931	0	141	21:55:03.600	125DE	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,525,128:84:0	
932	0	141	21:55:03.600	125DE11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,525,128:84:0	
933	**0**	**141**	**21:55:03.600**	**125DE4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**5,525,128:84:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	**0**	**141**	**21:59:06.266**	**127DE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**5,525,132:84:0**	
935	0	141	21:59:06.266	127DE	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,525,132:84:0	
936	**0**	**141**	**21:59:06.933**	**127DE4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**5,525,132:85:0**	
937	0	141	21:59:10.266	165DE4A	**7SCAN**	**NORM,350.103996,**	**Check S/P Position**	4R3	4	0	5,525,132:90:0	
938	0	141	21:59:14.933	127DE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,525,133:06:0	
939	0	141	22:03:04.266	117DE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,525,136:77:0	
940	0	141	22:03:12.266	165DE4B	7VECT		Inert vect update UTC	4R3	4	0	5,525,136:89:0	
941	0	141	22:03:13.600	117DE105A106A4A	**7STRP**	**-0.0106,0.0,0,0,**	**Slew =,0.03**	4R3	4	0	5,525,137:00:0	
942	0	141	22:05:00.266	175DE422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R3	4	0	5,525,138:69:0	
943	0	141	22:05:00.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4830.50 +/- 4	4R3	4	0	5,525,138:69:0	
944	0	141	22:05:01.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4830.62 +/- 4	4R3	4	0	5,525,138:71:1	
945	0	141	22:05:06.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4831.85 +/- 4	4R3	4	0	5,525,138:79:0	
946	0	141	22:05:08.133		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *4831.91 +/- 4	4R3	4	0	5,525,138:80:8	
947	0	141	22:05:11.600	175DE176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	5,525,138:86:0	
948	0	141	22:05:12.133		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 4830.41 +/- 4	4R3	4	0	5,525,138:86:8	
949	0	141	22:05:12.133		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *4830.41 +/- 4	4R3	4	0	5,525,138:86:8	
950	**0**	**141**	**22:05:12.266**	**28ENECLPSE01-**	**NIMPBK**	**301DE**	**EUROPA ECLIPSE OBSERVATION**	**4R3**	**4**	**0**	**: :**	
951	**0**	**141**	**22:06:04.933**	**28ENECLPSE01-**	**NIMPBK**	**301DN**	**EUROPA ECLIPSE OBSERVATION**	**4R3**	**4**	**0**	**: :**	
952	**0**	**141**	**22:06:12.266**	**28ENECLPSE01-**	**DESELC**	**300DN**	**EUROPA ECLIPSE OBSERVATION**	**4R3**	**4**	**0**	**: :**	
953	**0**	**141**	**22:06:12.266**	**28ENECLPSE01-**	**DESELC**	**300DE**	**EUROPA ECLIPSE OBSERVATION**	**4R3**	**4**	**0**	**: :**	
954	0	141	22:06:14.933		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *4775.22 +/- 4	4R3	4	0	5,525,139:90:0	
955	0	141	22:06:14.933	175DE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,139:90:0	
956	0	141	22:06:16.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4774.92 +/- 4	4R3	4	0	5,525,140:00:8	
957	0	141	22:09:14.266	117DE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,525,142:86:0	
958	**0**	**141**	**22:09:21.599**	**28ENECLPSE01**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
959	0	141	22:30:00.266	480SC6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	4R3	4	0	5,525,163:44:0	
960	0	141	22:36:40.266	480SC6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	4R3	4	0	5,525,170:07:0	
961	0	141	22:52:45.600	165GK4A	7SCAN	NORM,356.181999,	Check S/P Position	4R3	4	0	5,525,185:90:0	
962	0	141	22:56:48.933	176GK6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,525,190:00:0	
963	0	141	22:57:40.266	117GK	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,525,190:77:0	
964	0	141	22:57:49.600	117GK105A106A4A	7STRP	0.001,-0.006,0,0	Slew =,0.47	4R3	4	0	5,525,191:00:0	
965	0	141	22:58:10.933	117GK11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,525,191:32:0	
966	0	141	23:00:20.933	176GK6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,525,193:45:0	
967	0	141	23:00:22.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4774.92 +/- 4	4R3	4	0	5,525,193:48:0	
968	0	141	23:00:22.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,193:48:0	
969	0	141	23:00:24.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4775.04 +/- 4	4R3	4	0	5,525,193:50:1	
970	0	141	23:00:29.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4776.27 +/- 4	4R3	4	0	5,525,193:58:0	
971	0	141	23:00:30.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4776.33 +/- 4	4R3	4	0	5,525,193:59:8	
972	0	141	23:00:32.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4776.21 +/- 4	4R3	4	0	5,525,193:61:9	
973	0	141	23:00:32.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4776.04 +/- 4	4R3	4	0	5,525,193:63:0	
974	0	141	23:00:44.933		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4773.23 +/- 4	4R3	4	0	5,525,193:81:0	
975	0	141	23:00:44.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,193:81:0	
976	0	141	23:00:46.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4773.17 +/- 4	4R3	4	0	5,525,193:82:8	
977	0	141	23:05:36.933	488AI6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4R3	4	0	5,525,198:64:0	
978	0	142	00:08:36.266	411JG6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,261:00:0	
979	0	142	00:08:36.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4773.17 +/- 4	4R3	4	0	5,525,261:00:0	
980	0	142	00:08:37.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4773.29 +/- 4	4R3	4	0	5,525,261:02:1	
981	0	142	00:08:42.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4774.52 +/- 4	4R3	4	0	5,525,261:10:0	
982	0	142	00:08:44.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4774.58 +/- 4	4R3	4	0	5,525,261:11:8	
983	0	142	00:08:45.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4774.46 +/- 4	4R3	4	0	5,525,261:13:9	
984	0	142	00:08:45.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4774.46 +/- 4	4R3	4	0	5,525,261:13:9	
985	0	142	00:08:46.266	411JG6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	5,525,261:15:0	
986	0	142	00:10:47.600	411JG6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,525,263:15:0	
987	0	142	00:10:50.266	175TN176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	5,525,263:19:0	
988	0	142	00:10:50.933	175TN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,263:20:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	0	142	00:10:57.600	175TN422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,263	30:0
990	0	142	00:10:57.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4743.51 +/- 4	4R3	4	0	5,525,263	30:0
991	0	142	00:10:58.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4743.45 +/- 4	4R3	4	0	5,525,263	31:8
992	0	142	00:53:04.933	165GL4A	7SCAN	NORM,10.009,4.63	Check S/P Position	4R3	4	0	5,525,304	90:0
993	0	142	00:57:08.266	176GL6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,525,309	00:0
994	0	142	00:57:59.600	117GL	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,525,309	77:0
995	0	142	00:58:08.933	117GL105A106A4A	7STRP	0.001,-0.006,0,0	Slew =,0.61	4R3	4	0	5,525,310	00:0
996	0	142	00:58:30.266	117GL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,525,310	32:0
997	0	142	01:00:40.266	176GL6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,525,312	45:0
998	0	142	01:00:42.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,312	48:0
999	0	142	01:00:42.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4743.45 +/- 4	4R3	4	0	5,525,312	48:0
1000	0	142	01:00:43.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4743.57 +/- 4	4R3	4	0	5,525,312	50:1
1001	0	142	01:00:48.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4744.80 +/- 4	4R3	4	0	5,525,312	58:0
1002	0	142	01:00:50.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4744.86 +/- 4	4R3	4	0	5,525,312	59:8
1003	0	142	01:00:51.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4744.74 +/- 4	4R3	4	0	5,525,312	61:9
1004	0	142	01:00:52.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4744.57 +/- 4	4R3	4	0	5,525,312	63:0
1005	0	142	01:01:04.266		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4741.76 +/- 4	4R3	4	0	5,525,312	81:0
1006	0	142	01:01:04.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,312	81:0
1007	0	142	01:01:05.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4741.70 +/- 4	4R3	4	0	5,525,312	82:8
1008	0	142	02:10:00.266	480SD6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	4R3	4	0	5,525,381	06:0
1009	0	142	02:16:40.266	480SD6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	4R3	4	0	5,525,387	60:0
1010	0	142	03:01:29.600	165GM4A	7SCAN	NORM,23.775,10.7	Check S/P Position	4R3	4	0	5,525,431	90:0
1011	0	142	03:05:32.933	176GM6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,525,436	00:0
1012	0	142	03:06:24.266	117GM	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,525,436	77:0
1013	0	142	03:06:33.600	117GM105A106A4A	7STRP	0.001,-0.006001,	Slew =,0.99	4R3	4	0	5,525,437	00:0
1014	0	142	03:06:54.933	117GM11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,525,437	32:0
1015	0	142	03:09:04.933	176GM6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,525,439	45:0
1016	0	142	03:09:06.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,439	48:0
1017	0	142	03:09:06.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4741.70 +/- 4	4R3	4	0	5,525,439	48:0
1018	0	142	03:09:08.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4741.82 +/- 4	4R3	4	0	5,525,439	50:1
1019	0	142	03:09:13.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4743.05 +/- 4	4R3	4	0	5,525,439	58:0
1020	0	142	03:09:14.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4743.11 +/- 4	4R3	4	0	5,525,439	59:8
1021	0	142	03:09:16.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4742.99 +/- 4	4R3	4	0	5,525,439	61:9
1022	0	142	03:09:16.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4742.82 +/- 4	4R3	4	0	5,525,439	63:0
1023	0	142	03:09:28.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,439	81:0
1024	0	142	03:09:28.933		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4740.01 +/- 4	4R3	4	0	5,525,439	81:0
1025	0	142	03:09:30.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4739.95 +/- 4	4R3	4	0	5,525,439	82:8
1026	0	142	03:38:40.266	488AI6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4R3	4	0	5,525,468	69:0
1027	0	142	04:08:13.600	165GN4A	7SCAN	NORM,30.543,13.4	Check S/P Position	4R3	4	0	5,525,497	90:0
1028	0	142	04:12:16.933	176GN6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,525,502	00:0
1029	0	142	04:13:08.266	117GN	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,525,502	77:0
1030	0	142	04:13:17.600	117GN105A106A4A	7STRP	0.001,-0.006001,	Slew =,1.55	4R3	4	0	5,525,503	00:0
1031	0	142	04:13:38.933	117GN11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,525,503	32:0
1032	0	142	04:15:48.933	176GN6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,525,505	45:0
1033	0	142	04:15:50.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,505	48:0
1034	0	142	04:15:50.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4739.95 +/- 4	4R3	4	0	5,525,505	48:0
1035	0	142	04:15:52.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4740.07 +/- 4	4R3	4	0	5,525,505	50:1
1036	0	142	04:15:57.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4741.30 +/- 4	4R3	4	0	5,525,505	58:0
1037	0	142	04:15:58.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4741.36 +/- 4	4R3	4	0	5,525,505	59:8
1038	0	142	04:16:00.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4741.24 +/- 4	4R3	4	0	5,525,505	61:9
1039	0	142	04:16:00.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4741.07 +/- 4	4R3	4	0	5,525,505	63:0
1040	0	142	04:16:12.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,505	81:0
1041	0	142	04:16:12.933		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4738.26 +/- 4	4R3	4	0	5,525,505	81:0
1042	0	142	04:16:14.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4738.20 +/- 4	4R3	4	0	5,525,505	82:8
1043	0	142	04:16:18.933	165GO4A	7SCAN	NORM,332.271,-3.	Check S/P Position	4R3	4	0	5,525,505	90:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	0	142	04:19:49.600	432OG431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	5,525,509:42:0	
1045	0	142	04:19:50.266	432OG6A	6RTSL1		R/T Select of DDS and	4R3	4	0	5,525,509:43:0	
1046	0	142	04:20:22.266	176GO6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,525,510:00:0	
1047	0	142	04:21:13.600	117GO	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,525,510:77:0	
1048	0	142	04:21:22.933	117GO105A106A4A	7STRP	0.070115,-0.2355	Slew =,0.21	4R3	4	0	5,525,511:00:0	
1049	0	142	04:37:34.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4738.20 +/- 4	4R3	4	0	5,525,527:02:0	
1050	0	142	04:37:34.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,527:02:0	
1051	0	142	04:37:36.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4738.32 +/- 4	4R3	4	0	5,525,527:04:1	
1052	0	142	04:37:41.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4739.55 +/- 4	4R3	4	0	5,525,527:12:0	
1053	0	142	04:37:42.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4739.61 +/- 4	4R3	4	0	5,525,527:13:8	
1054	0	142	04:37:44.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4739.49 +/- 4	4R3	4	0	5,525,527:15:9	
1055	0	142	04:38:10.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4733.38 +/- 4	4R3	4	0	5,525,527:55:0	
1056	0	142	04:38:32.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,527:89:0	
1057	0	142	04:38:32.933		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4728.07 +/- 4	4R3	4	0	5,525,527:89:0	
1058	0	142	04:38:34.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4728.01 +/- 4	4R3	4	0	5,525,527:90:8	
1059	0	142	04:41:36.266	117GO11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,525,531:00:0	
1060	0	142	04:43:06.933	176GO6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,525,532:45:0	
1061	0	142	04:43:08.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,532:48:0	
1062	0	142	04:43:08.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4728.01 +/- 4	4R3	4	0	5,525,532:48:0	
1063	0	142	04:43:10.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4728.13 +/- 4	4R3	4	0	5,525,532:50:1	
1064	0	142	04:43:15.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4729.36 +/- 4	4R3	4	0	5,525,532:58:0	
1065	0	142	04:43:16.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4729.42 +/- 4	4R3	4	0	5,525,532:59:8	
1066	0	142	04:43:18.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4729.30 +/- 4	4R3	4	0	5,525,532:61:9	
1067	0	142	04:43:18.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4729.13 +/- 4	4R3	4	0	5,525,532:63:0	
1068	0	142	04:43:31.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4726.16 +/- 4	4R3	4	0	5,525,532:82:0	
1069	0	142	04:43:31.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,532:82:0	
1070	0	142	04:43:32.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4726.10 +/- 4	4R3	4	0	5,525,532:83:8	
1071	0	142	04:43:36.933	165GP4A	7SCAN	NORM,336.676998,	Check S/P Position	4R3	4	0	5,525,532:90:0	
1072	0	142	04:47:40.266	176GP6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,525,537:00:0	
1073	0	142	04:48:31.600	117GP	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,525,537:77:0	
1074	0	142	04:48:40.933	117GP105A106A4A	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,538:00:0	
1075	0	142	04:49:40.266	117GP105A106A4B	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,538:89:0	
1076	0	142	04:49:51.600	117GP105A106A4C	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,539:15:0	
1077	0	142	04:50:50.933	117GP105A106A4D	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,540:13:0	
1078	0	142	04:51:02.266	117GP105A106A4E	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,540:30:0	
1079	0	142	04:52:01.600	117GP105A106A4F	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,541:28:0	
1080	0	142	04:52:12.933	117GP105A106A4G	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,541:45:0	
1081	0	142	04:53:12.266	117GP105A106A4H	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,542:43:0	
1082	0	142	04:53:23.600	117GP105A106A4I	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,542:60:0	
1083	0	142	04:54:22.933	117GP105A106A4J	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,543:58:0	
1084	0	142	04:54:34.266	117GP105A106A4K	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,543:75:0	
1085	0	142	04:55:33.600	117GP105A106A4L	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,544:73:0	
1086	0	142	04:55:44.933	117GP105A106A4M	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,544:90:0	
1087	0	142	04:56:44.266	117GP105A106A4N	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,545:88:0	
1088	0	142	04:56:55.600	117GP105A106A4O	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,546:14:0	
1089	0	142	04:57:54.933	117GP105A106A4P	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,547:12:0	
1090	0	142	04:58:06.266	117GP105A106A4Q	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,547:29:0	
1091	0	142	04:59:05.600	117GP105A106A4R	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,548:27:0	
1092	0	142	04:59:16.933	117GP105A106A4S	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,548:44:0	
1093	0	142	05:00:14.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4726.10 +/- 4	4R3	4	0	5,525,549:40:0	
1094	0	142	05:00:14.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,549:40:0	
1095	0	142	05:00:16.266	117GP105A106A4T	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,549:42:0	
1096	0	142	05:00:16.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4726.22 +/- 4	4R3	4	0	5,525,549:42:1	
1097	0	142	05:00:21.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4727.46 +/- 4	4R3	4	0	5,525,549:50:0	
1098	0	142	05:00:22.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4727.52 +/- 4	4R3	4	0	5,525,549:51:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	0	142	05:00:24.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4727.40 +/- 4	4R3	4	0	5,525,549	53:9
1100	0	142	05:00:27.600	117GP105A106A4U	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,549	59:0
1101	0	142	05:00:40.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4723.63 +/- 4	4R3	4	0	5,525,549	78:0
1102	0	142	05:01:02.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,550	21:0
1103	0	142	05:01:02.933		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4718.32 +/- 4	4R3	4	0	5,525,550	21:0
1104	0	142	05:01:04.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4718.26 +/- 4	4R3	4	0	5,525,550	22:8
1105	0	142	05:01:26.933	117GP105A106A4V	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,550	57:0
1106	0	142	05:01:38.266	117GP105A106A4W	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,550	74:0
1107	0	142	05:02:37.600	117GP105A106A4X	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,551	72:0
1108	0	142	05:02:48.933	117GP105A106A4Y	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,551	89:0
1109	0	142	05:03:48.266	117GP105A106A4Z	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,552	87:0
1110	0	142	05:03:59.600	117GP105A106A4AA	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,553	13:0
1111	0	142	05:04:58.933	117GP105A106A4AB	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,554	11:0
1112	0	142	05:05:10.266	117GP105A106A4AC	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,554	28:0
1113	0	142	05:06:09.600	117GP105A106A4AD	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,555	26:0
1114	0	142	05:06:20.933	117GP105A106A4AE	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,555	43:0
1115	0	142	05:07:20.266	117GP105A106A4AF	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,556	41:0
1116	0	142	05:07:31.600	117GP105A106A4AG	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,556	58:0
1117	0	142	05:08:30.933	117GP105A106A4AH	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,557	56:0
1118	0	142	05:08:42.266	117GP105A106A4AI	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,557	73:0
1119	0	142	05:09:41.600	117GP105A106A4AJ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,558	71:0
1120	0	142	05:09:52.933	117GP105A106A4AK	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,558	88:0
1121	0	142	05:10:52.266	117GP105A106A4AL	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,559	86:0
1122	0	142	05:11:03.600	117GP105A106A4AM	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,560	12:0
1123	0	142	05:12:02.933	117GP105A106A4AN	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,561	10:0
1124	0	142	05:12:14.266	117GP105A106A4AO	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,561	27:0
1125	0	142	05:13:13.600	117GP105A106A4AP	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,562	25:0
1126	0	142	05:13:16.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,562	30:0
1127	0	142	05:13:16.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4718.26 +/- 4	4R3	4	0	5,525,562	30:0
1128	0	142	05:13:18.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4718.38 +/- 4	4R3	4	0	5,525,562	32:1
1129	0	142	05:13:23.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4719.61 +/- 4	4R3	4	0	5,525,562	40:0
1130	0	142	05:13:24.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4719.67 +/- 4	4R3	4	0	5,525,562	41:8
1131	0	142	05:13:24.933	117GP105A106A4AQ	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,562	42:0
1132	0	142	05:13:26.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4719.55 +/- 4	4R3	4	0	5,525,562	43:9
1133	0	142	05:13:42.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4715.79 +/- 4	4R3	4	0	5,525,562	68:0
1134	0	142	05:14:04.933		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4710.48 +/- 4	4R3	4	0	5,525,563	11:0
1135	0	142	05:14:04.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,563	11:0
1136	0	142	05:14:06.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4710.42 +/- 4	4R3	4	0	5,525,563	12:8
1137	0	142	05:14:24.266	117GP105A106A4AR	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,563	40:0
1138	0	142	05:14:35.600	117GP105A106A4AS	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,563	57:0
1139	0	142	05:15:34.933	117GP105A106A4AT	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,564	55:0
1140	0	142	05:15:46.266	117GP105A106A4AU	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,564	72:0
1141	0	142	05:16:45.600	117GP105A106A4AV	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,565	70:0
1142	0	142	05:16:56.933	117GP105A106A4AW	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,565	87:0
1143	0	142	05:17:56.266	117GP105A106A4AX	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,566	85:0
1144	0	142	05:18:07.600	117GP105A106A4AY	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,567	11:0
1145	0	142	05:19:06.933	117GP105A106A4AZ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,568	09:0
1146	0	142	05:19:18.266	117GP105A106A4BA	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,568	26:0
1147	0	142	05:20:17.600	117GP105A106A4BB	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,569	24:0
1148	0	142	05:20:28.933	117GP105A106A4BC	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,569	41:0
1149	0	142	05:21:28.266	117GP105A106A4BD	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,570	39:0
1150	0	142	05:21:39.600	117GP105A106A4BE	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,570	56:0
1151	0	142	05:22:38.933	117GP105A106A4BF	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,571	54:0
1152	0	142	05:22:50.266	117GP105A106A4BG	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,571	71:0
1153	0	142	05:23:49.600	117GP105A106A4BH	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,572	69:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	0	142	05:24:00.933	117GP105A106A4BI	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,572	86:0
1155	0	142	05:25:00.266	117GP105A106A4BJ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,573	84:0
1156	0	142	05:25:11.600	117GP105A106A4BK	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,574	10:0
1157	0	142	05:26:10.933	117GP105A106A4BL	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,575	08:0
1158	0	142	05:26:18.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4710.42 +/- 4	4R3	4	0	5,525,575	20:0
1159	0	142	05:26:18.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,575	20:0
1160	0	142	05:26:20.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4710.54 +/- 4	4R3	4	0	5,525,575	22:1
1161	0	142	05:26:22.266	117GP105A106A4BM	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,575	25:0
1162	0	142	05:26:25.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4711.77 +/- 4	4R3	4	0	5,525,575	30:0
1163	0	142	05:26:26.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4711.83 +/- 4	4R3	4	0	5,525,575	31:8
1164	0	142	05:26:28.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4711.71 +/- 4	4R3	4	0	5,525,575	33:9
1165	0	142	05:26:44.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4707.94 +/- 4	4R3	4	0	5,525,575	58:0
1166	0	142	05:27:06.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,576	01:0
1167	0	142	05:27:06.933		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4702.63 +/- 4	4R3	4	0	5,525,576	01:0
1168	0	142	05:27:08.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4702.57 +/- 4	4R3	4	0	5,525,576	02:8
1169	0	142	05:27:21.600	117GP105A106A4BN	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,576	23:0
1170	0	142	05:27:32.933	117GP105A106A4BO	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,576	40:0
1171	0	142	05:28:32.266	117GP105A106A4BP	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,577	38:0
1172	0	142	05:28:43.600	117GP105A106A4BQ	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,577	55:0
1173	0	142	05:29:42.933	117GP105A106A4BR	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,578	53:0
1174	0	142	05:29:54.266	117GP105A106A4BS	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,578	70:0
1175	0	142	05:30:53.600	117GP105A106A4BT	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,579	68:0
1176	0	142	05:31:04.933	117GP105A106A4BU	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,579	85:0
1177	0	142	05:32:04.266	117GP105A106A4BV	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,580	83:0
1178	0	142	05:32:15.600	117GP105A106A4BW	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,581	09:0
1179	0	142	05:33:14.933	117GP105A106A4BX	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,582	07:0
1180	0	142	05:33:26.266	117GP105A106A4BY	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,582	24:0
1181	0	142	05:34:25.600	117GP105A106A4BZ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,583	22:0
1182	0	142	05:34:36.933	117GP105A106A4CA	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,583	39:0
1183	0	142	05:35:36.266	117GP105A106A4CB	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,584	37:0
1184	0	142	05:35:47.600	117GP105A106A4CC	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,584	54:0
1185	0	142	05:36:46.933	117GP105A106A4CD	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,585	52:0
1186	0	142	05:36:58.266	117GP105A106A4CE	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,585	69:0
1187	0	142	05:37:57.600	117GP105A106A4CF	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,586	67:0
1188	0	142	05:38:08.933	117GP105A106A4CG	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,586	84:0
1189	0	142	05:39:08.266	117GP105A106A4CH	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,587	82:0
1190	0	142	05:39:19.600	117GP105A106A4CI	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,588	08:0
1191	0	142	05:39:21.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,588	11:0
1192	0	142	05:39:21.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4702.57 +/- 4	4R3	4	0	5,525,588	11:0
1193	0	142	05:39:23.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4702.69 +/- 4	4R3	4	0	5,525,588	13:1
1194	0	142	05:39:28.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4703.93 +/- 4	4R3	4	0	5,525,588	21:0
1195	0	142	05:39:29.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4703.99 +/- 4	4R3	4	0	5,525,588	22:8
1196	0	142	05:39:30.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4703.87 +/- 4	4R3	4	0	5,525,588	24:9
1197	0	142	05:39:46.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4700.26 +/- 4	4R3	4	0	5,525,588	48:0
1198	0	142	05:40:08.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,588	82:0
1199	0	142	05:40:08.933		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4694.94 +/- 4	4R3	4	0	5,525,588	82:0
1200	0	142	05:40:10.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4694.88 +/- 4	4R3	4	0	5,525,588	83:8
1201	0	142	05:40:18.933	117GP105A106A4CJ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,589	06:0
1202	0	142	05:40:30.266	117GP105A106A4CK	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,589	23:0
1203	0	142	05:41:29.600	117GP105A106A4CL	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,590	21:0
1204	0	142	05:41:40.933	117GP105A106A4CM	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,590	38:0
1205	0	142	05:42:40.266	117GP105A106A4CN	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,591	36:0
1206	0	142	05:42:51.600	117GP105A106A4CO	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,591	53:0
1207	0	142	05:43:50.933	117GP105A106A4CP	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,592	51:0
1208	0	142	05:44:02.266	117GP105A106A4CQ	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,592	68:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	0	142	05:45:01.600	117GP105A106A4CR	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,593	66:0
1210	0	142	05:45:12.933	117GP105A106A4CS	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,593	83:0
1211	0	142	05:46:12.266	117GP105A106A4CT	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,594	81:0
1212	0	142	05:46:23.600	117GP105A106A4CU	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,595	07:0
1213	0	142	05:47:22.933	117GP105A106A4CV	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,596	05:0
1214	0	142	05:47:34.266	117GP105A106A4CW	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,596	22:0
1215	0	142	05:48:33.600	117GP105A106A4CX	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,597	20:0
1216	0	142	05:48:44.933	117GP105A106A4CY	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,597	37:0
1217	0	142	05:49:44.266	117GP105A106A4CZ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,598	35:0
1218	0	142	05:49:55.600	117GP105A106A4DA	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,598	52:0
1219	0	142	05:50:54.933	117GP105A106A4DB	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,599	50:0
1220	0	142	05:51:06.266	117GP105A106A4DC	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,599	67:0
1221	0	142	05:52:05.600	117GP105A106A4DD	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,600	65:0
1222	0	142	05:52:16.933	117GP105A106A4DE	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,600	82:0
1223	0	142	05:52:23.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,601	01:0
1224	0	142	05:52:23.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4694.88 +/- 4	4R3	4	0	5,525,601	01:0
1225	0	142	05:52:25.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4695.00 +/- 4	4R3	4	0	5,525,601	03:1
1226	0	142	05:52:30.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4696.24 +/- 4	4R3	4	0	5,525,601	11:0
1227	0	142	05:52:31.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4696.30 +/- 4	4R3	4	0	5,525,601	12:8
1228	0	142	05:52:32.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4696.18 +/- 4	4R3	4	0	5,525,601	14:9
1229	0	142	05:52:48.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4692.41 +/- 4	4R3	4	0	5,525,601	39:0
1230	0	142	05:53:11.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,601	73:0
1231	0	142	05:53:11.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4687.10 +/- 4	4R3	4	0	5,525,601	73:0
1232	0	142	05:53:12.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4687.04 +/- 4	4R3	4	0	5,525,601	74:8
1233	0	142	05:53:16.266	117GP105A106A4DF	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,601	80:0
1234	0	142	05:53:27.600	117GP105A106A4DG	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,602	06:0
1235	0	142	05:54:26.933	117GP105A106A4DH	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,603	04:0
1236	0	142	05:54:38.266	117GP105A106A4DI	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,603	21:0
1237	0	142	05:55:37.600	117GP105A106A4DJ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,604	19:0
1238	0	142	05:55:48.933	117GP105A106A4DK	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,604	36:0
1239	0	142	05:56:48.266	117GP105A106A4DL	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,605	34:0
1240	0	142	05:56:59.600	117GP105A106A4DM	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,605	51:0
1241	0	142	05:57:58.933	117GP105A106A4DN	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,606	49:0
1242	0	142	05:58:10.266	117GP105A106A4DO	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,606	66:0
1243	0	142	05:59:09.600	117GP105A106A4DP	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,607	64:0
1244	0	142	05:59:20.933	117GP105A106A4DQ	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,607	81:0
1245	0	142	06:00:20.266	117GP105A106A4DR	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,608	79:0
1246	0	142	06:00:31.600	117GP105A106A4DS	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,609	05:0
1247	0	142	06:01:30.933	117GP105A106A4DT	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,610	03:0
1248	0	142	06:01:42.266	117GP105A106A4DU	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,610	20:0
1249	0	142	06:02:41.600	117GP105A106A4DV	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,611	18:0
1250	0	142	06:02:52.933	117GP105A106A4DW	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,611	35:0
1251	0	142	06:03:52.266	117GP105A106A4DX	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,612	33:0
1252	0	142	06:04:03.600	117GP105A106A4DY	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,612	50:0
1253	0	142	06:05:02.933	117GP105A106A4DZ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,613	48:0
1254	0	142	06:05:14.266	117GP105A106A4EA	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,613	65:0
1255	0	142	06:05:25.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4687.04 +/- 4	4R3	4	0	5,525,613	82:0
1256	0	142	06:05:25.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,613	82:0
1257	0	142	06:05:27.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4687.16 +/- 4	4R3	4	0	5,525,613	84:1
1258	0	142	06:05:32.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4688.40 +/- 4	4R3	4	0	5,525,614	01:0
1259	0	142	06:05:33.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4688.46 +/- 4	4R3	4	0	5,525,614	02:8
1260	0	142	06:05:34.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4688.34 +/- 4	4R3	4	0	5,525,614	04:9
1261	0	142	06:05:50.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4684.57 +/- 4	4R3	4	0	5,525,614	29:0
1262	0	142	06:06:13.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,614	63:0
1263	0	142	06:06:13.600	117GP105A106A4EB	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,614	63:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	0	142	06:06:13.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4679.26 +/- 4	4R3	4	0	5,525,614	63:0
1265	0	142	06:06:14.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4679.20 +/- 4	4R3	4	0	5,525,614	64:8
1266	0	142	06:06:24.933	117GP105A106A4EC	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,614	80:0
1267	0	142	06:07:24.266	117GP105A106A4ED	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,615	78:0
1268	0	142	06:07:35.600	117GP105A106A4EE	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,616	04:0
1269	0	142	06:08:34.933	117GP105A106A4EF	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,617	02:0
1270	0	142	06:08:46.266	117GP105A106A4EG	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,617	19:0
1271	0	142	06:09:45.600	117GP105A106A4EH	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,618	17:0
1272	0	142	06:09:56.933	117GP105A106A4EI	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,618	34:0
1273	0	142	06:10:56.266	117GP105A106A4EJ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,619	32:0
1274	0	142	06:11:07.600	117GP105A106A4EK	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,619	49:0
1275	0	142	06:12:06.933	117GP105A106A4EL	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,620	47:0
1276	0	142	06:12:18.266	117GP105A106A4EM	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,620	64:0
1277	0	142	06:13:17.600	117GP105A106A4EN	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,621	62:0
1278	0	142	06:13:28.933	117GP105A106A4EO	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,621	79:0
1279	0	142	06:14:28.266	117GP105A106A4EP	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,622	77:0
1280	0	142	06:14:39.600	117GP105A106A4EQ	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,623	03:0
1281	0	142	06:15:38.933	117GP105A106A4ER	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,624	01:0
1282	0	142	06:15:50.266	117GP105A106A4ES	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,624	18:0
1283	0	142	06:16:49.600	117GP105A106A4ET	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,625	16:0
1284	0	142	06:17:00.933	117GP105A106A4EU	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,625	33:0
1285	0	142	06:18:00.266	117GP105A106A4EV	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,626	31:0
1286	0	142	06:18:11.600	117GP105A106A4EW	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,626	48:0
1287	0	142	06:18:28.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4679.20 +/- 4	4R3	4	0	5,525,626	73:0
1288	0	142	06:18:28.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,626	73:0
1289	0	142	06:18:29.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4679.32 +/- 4	4R3	4	0	5,525,626	75:1
1290	0	142	06:18:34.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4680.55 +/- 4	4R3	4	0	5,525,626	83:0
1291	0	142	06:18:36.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4680.61 +/- 4	4R3	4	0	5,525,626	84:8
1292	0	142	06:18:37.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4680.49 +/- 4	4R3	4	0	5,525,626	86:9
1293	0	142	06:18:52.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4676.88 +/- 4	4R3	4	0	5,525,627	19:0
1294	0	142	06:19:10.933	117GP105A106A4EX	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,627	46:0
1295	0	142	06:19:15.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4671.57 +/- 4	4R3	4	0	5,525,627	53:0
1296	0	142	06:19:15.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,627	53:0
1297	0	142	06:19:16.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4671.51 +/- 4	4R3	4	0	5,525,627	54:8
1298	0	142	06:19:22.266	117GP105A106A4EY	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,627	63:0
1299	0	142	06:20:21.600	117GP105A106A4EZ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,628	61:0
1300	0	142	06:20:32.933	117GP105A106A4FA	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,628	78:0
1301	0	142	06:21:32.266	117GP105A106A4FB	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,629	76:0
1302	0	142	06:21:43.600	117GP105A106A4FC	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,630	02:0
1303	0	142	06:22:42.933	117GP105A106A4FD	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,631	00:0
1304	0	142	06:22:54.266	117GP105A106A4FE	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,631	17:0
1305	0	142	06:23:53.600	117GP105A106A4FF	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,632	15:0
1306	0	142	06:24:04.933	117GP105A106A4FG	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,632	32:0
1307	0	142	06:25:04.266	117GP105A106A4FH	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,633	30:0
1308	0	142	06:25:15.600	117GP105A106A4FI	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,633	47:0
1309	0	142	06:26:14.933	117GP105A106A4FJ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,634	45:0
1310	0	142	06:26:26.266	117GP105A106A4FK	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,634	62:0
1311	0	142	06:27:25.600	117GP105A106A4FL	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,635	60:0
1312	0	142	06:27:36.933	117GP105A106A4FM	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,635	77:0
1313	0	142	06:28:36.266	117GP105A106A4FN	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,636	75:0
1314	0	142	06:28:47.600	117GP105A106A4FO	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,637	01:0
1315	0	142	06:29:46.933	117GP105A106A4FP	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,637	90:0
1316	0	142	06:29:58.266	117GP105A106A4FQ	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,638	16:0
1317	0	142	06:30:57.600	117GP105A106A4FR	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,639	14:0
1318	0	142	06:31:08.933	117GP105A106A4FS	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,639	31:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	0	142	06:31:30.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,639	63:0
1320	0	142	06:31:30.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4671.51 +/- 4	4R3	4	0	5,525,639	63:0
1321	0	142	06:31:31.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4671.63 +/- 4	4R3	4	0	5,525,639	65:1
1322	0	142	06:31:36.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4672.86 +/- 4	4R3	4	0	5,525,639	73:0
1323	0	142	06:31:38.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4672.92 +/- 4	4R3	4	0	5,525,639	74:8
1324	0	142	06:31:39.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4672.80 +/- 4	4R3	4	0	5,525,639	76:9
1325	0	142	06:31:55.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4669.04 +/- 4	4R3	4	0	5,525,640	10:0
1326	0	142	06:32:08.266	117GP105A106A4FT	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,640	29:0
1327	0	142	06:32:18.266		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4663.73 +/- 4	4R3	4	0	5,525,640	44:0
1328	0	142	06:32:18.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,640	44:0
1329	0	142	06:32:19.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4663.67 +/- 4	4R3	4	0	5,525,640	45:8
1330	0	142	06:32:19.600	117GP105A106A4FU	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,640	46:0
1331	0	142	06:33:18.933	117GP105A106A4FV	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,641	44:0
1332	0	142	06:33:30.266	117GP105A106A4FW	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,641	61:0
1333	0	142	06:34:29.600	117GP105A106A4FX	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,642	59:0
1334	0	142	06:34:40.933	117GP105A106A4FY	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,642	76:0
1335	0	142	06:35:40.266	117GP105A106A4FZ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,643	74:0
1336	0	142	06:35:51.600	117GP105A106A4GA	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,644	00:0
1337	0	142	06:36:50.933	117GP105A106A4GB	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,644	89:0
1338	0	142	06:37:02.266	117GP105A106A4GC	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,645	15:0
1339	0	142	06:38:01.600	117GP105A106A4GD	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,646	13:0
1340	0	142	06:38:12.933	117GP105A106A4GE	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,646	30:0
1341	0	142	06:39:12.266	117GP105A106A4GF	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,647	28:0
1342	0	142	06:39:23.600	117GP105A106A4GG	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,647	45:0
1343	0	142	06:40:22.933	117GP105A106A4GH	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,648	43:0
1344	0	142	06:40:34.266	117GP105A106A4GI	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,648	60:0
1345	0	142	06:41:33.600	117GP105A106A4GJ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,649	58:0
1346	0	142	06:41:44.933	117GP105A106A4GK	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,649	75:0
1347	0	142	06:42:44.266	117GP105A106A4GL	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,650	73:0
1348	0	142	06:42:55.600	117GP105A106A4GM	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,650	90:0
1349	0	142	06:43:54.933	117GP105A106A4GN	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,651	88:0
1350	0	142	06:44:06.266	117GP105A106A4GO	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,652	14:0
1351	0	142	06:44:32.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4663.67 +/- 4	4R3	4	0	5,525,652	53:0
1352	0	142	06:44:32.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,652	53:0
1353	0	142	06:44:33.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4663.79 +/- 4	4R3	4	0	5,525,652	55:1
1354	0	142	06:44:38.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4665.02 +/- 4	4R3	4	0	5,525,652	63:0
1355	0	142	06:44:40.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4665.08 +/- 4	4R3	4	0	5,525,652	64:8
1356	0	142	06:44:41.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4664.96 +/- 4	4R3	4	0	5,525,652	66:9
1357	0	142	06:44:57.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4661.19 +/- 4	4R3	4	0	5,525,653	00:0
1358	0	142	06:45:05.600	117GP105A106A4GP	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,653	12:0
1359	0	142	06:45:16.933	117GP105A106A4GQ	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,653	29:0
1360	0	142	06:45:20.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,653	34:0
1361	0	142	06:45:20.266		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4655.88 +/- 4	4R3	4	0	5,525,653	34:0
1362	0	142	06:45:21.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4655.82 +/- 4	4R3	4	0	5,525,653	35:8
1363	0	142	06:46:16.266	117GP105A106A4GR	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,654	27:0
1364	0	142	06:46:27.600	117GP105A106A4GS	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,654	44:0
1365	0	142	06:47:26.933	117GP105A106A4GT	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,655	42:0
1366	0	142	06:47:38.266	117GP105A106A4GU	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,655	59:0
1367	0	142	06:48:37.600	117GP105A106A4GV	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,656	57:0
1368	0	142	06:48:48.933	117GP105A106A4GW	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,656	74:0
1369	0	142	06:49:48.266	117GP105A106A4GX	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,657	72:0
1370	0	142	06:49:59.600	117GP105A106A4GY	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,657	89:0
1371	0	142	06:50:58.933	117GP105A106A4GZ	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,658	87:0
1372	0	142	06:51:10.266	117GP105A106A4HA	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,659	13:0
1373	0	142	06:52:09.600	117GP105A106A4HB	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,660	11:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	0	142	06:52:20.933	117GP105A106A4HC	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,660	28:0
1375	0	142	06:53:20.266	117GP105A106A4HD	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,661	26:0
1376	0	142	06:53:31.600	117GP105A106A4HE	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,661	43:0
1377	0	142	06:54:30.933	117GP105A106A4HF	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,662	41:0
1378	0	142	06:54:42.266	117GP105A106A4HG	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,662	58:0
1379	0	142	06:55:41.600	117GP105A106A4HH	7STRP	0.003,0.029129,0	Slew =12.01	4R3	4	0	5,525,663	56:0
1380	0	142	06:55:52.933	117GP105A106A4HI	7STRP	0.0,-0.029009,0,	Slew =,0.66	4R3	4	0	5,525,663	73:0
1381	0	142	06:56:52.266	117GP11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,525,664	71:0
1382	0	142	06:57:34.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4655.82 +/- 4	4R3	4	0	5,525,665	43:0
1383	0	142	06:57:34.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,665	43:0
1384	0	142	06:57:35.600	176GP6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,525,665	45:0
1385	0	142	06:57:35.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4655.94 +/- 4	4R3	4	0	5,525,665	45:1
1386	0	142	06:57:40.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4657.18 +/- 4	4R3	4	0	5,525,665	53:0
1387	0	142	06:57:42.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4657.24 +/- 4	4R3	4	0	5,525,665	54:8
1388	0	142	06:57:43.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4657.12 +/- 4	4R3	4	0	5,525,665	56:9
1389	0	142	06:57:59.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4653.35 +/- 4	4R3	4	0	5,525,665	81:0
1390	0	142	06:58:21.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,666	23:0
1391	0	142	06:58:21.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4648.19 +/- 4	4R3	4	0	5,525,666	23:0
1392	0	142	06:58:22.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4648.13 +/- 4	4R3	4	0	5,525,666	24:8
1393	0	142	07:19:19.600	165GQ4A	7SCAN	NORM,1.403,-3.71	Check S/P Position	4R3	4	0	5,525,686	90:0
1394	0	142	07:23:22.933	176GQ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,525,691	00:0
1395	0	142	07:24:14.266	117GQ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,525,691	77:0
1396	0	142	07:24:23.600	117GQ105A106A4A	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,692	00:0
1397	0	142	07:24:55.600	117GQ105A106A4B	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,692	48:0
1398	0	142	07:25:07.600	117GQ105A106A4C	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,692	66:0
1399	0	142	07:25:39.600	117GQ105A106A4D	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,693	23:0
1400	0	142	07:25:51.600	117GQ105A106A4E	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,693	41:0
1401	0	142	07:26:23.600	117GQ105A106A4F	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,693	89:0
1402	0	142	07:26:35.600	117GQ105A106A4G	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,694	16:0
1403	0	142	07:27:07.600	117GQ105A106A4H	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,694	64:0
1404	0	142	07:27:19.600	117GQ105A106A4I	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,694	82:0
1405	0	142	07:27:51.600	117GQ105A106A4J	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,695	39:0
1406	0	142	07:28:03.600	117GQ105A106A4K	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,695	57:0
1407	0	142	07:28:35.600	117GQ105A106A4L	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,696	14:0
1408	0	142	07:28:47.600	117GQ105A106A4M	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,696	32:0
1409	0	142	07:29:19.600	117GQ105A106A4N	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,696	80:0
1410	0	142	07:29:31.600	117GQ105A106A4O	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,697	07:0
1411	0	142	07:30:03.600	117GQ105A106A4P	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,697	55:0
1412	0	142	07:30:15.600	117GQ105A106A4Q	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,697	73:0
1413	0	142	07:30:47.600	117GQ105A106A4R	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,698	30:0
1414	0	142	07:30:59.600	117GQ105A106A4S	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,698	48:0
1415	0	142	07:31:31.600	117GQ105A106A4T	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,699	05:0
1416	0	142	07:31:43.600	117GQ105A106A4U	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,699	23:0
1417	0	142	07:32:15.600	117GQ105A106A4V	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,699	71:0
1418	0	142	07:32:27.600	117GQ105A106A4W	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,699	89:0
1419	0	142	07:32:59.600	117GQ105A106A4X	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,700	46:0
1420	0	142	07:33:11.600	117GQ105A106A4Y	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,700	64:0
1421	0	142	07:33:43.600	117GQ105A106A4Z	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,701	21:0
1422	0	142	07:33:55.600	117GQ105A106A4AA	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,701	39:0
1423	0	142	07:34:27.600	117GQ105A106A4AB	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,701	87:0
1424	0	142	07:34:39.600	117GQ105A106A4AC	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,702	14:0
1425	0	142	07:35:11.600	117GQ105A106A4AD	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,702	62:0
1426	0	142	07:35:23.600	117GQ105A106A4AE	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,702	80:0
1427	0	142	07:35:34.933	488AJ6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4R3	4	0	5,525,703	06:0
1428	0	142	07:35:55.600	117GQ105A106A4AF	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,703	37:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	0	142	07:35:57.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,703	40:0
1430	0	142	07:35:57.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4648.13 +/- 4	4R3	4	0	5,525,703	40:0
1431	0	142	07:35:59.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4648.25 +/- 4	4R3	4	0	5,525,703	42:1
1432	0	142	07:36:04.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4649.49 +/- 4	4R3	4	0	5,525,703	50:0
1433	0	142	07:36:05.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4649.55 +/- 4	4R3	4	0	5,525,703	51:8
1434	0	142	07:36:06.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4649.43 +/- 4	4R3	4	0	5,525,703	53:9
1435	0	142	07:36:07.600	117GQ105A106A4AG	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,703	55:0
1436	0	142	07:36:22.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4645.66 +/- 4	4R3	4	0	5,525,703	78:0
1437	0	142	07:36:39.600	117GQ105A106A4AH	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,704	12:0
1438	0	142	07:36:45.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,704	21:0
1439	0	142	07:36:45.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4640.35 +/- 4	4R3	4	0	5,525,704	21:0
1440	0	142	07:36:46.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4640.29 +/- 4	4R3	4	0	5,525,704	22:8
1441	0	142	07:36:51.600	117GQ105A106A4AI	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,704	30:0
1442	0	142	07:37:23.600	117GQ105A106A4AJ	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,704	78:0
1443	0	142	07:37:35.600	117GQ105A106A4AK	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,705	05:0
1444	0	142	07:38:07.600	117GQ105A106A4AL	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,705	53:0
1445	0	142	07:38:19.600	117GQ105A106A4AM	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,705	71:0
1446	0	142	07:38:51.600	117GQ105A106A4AN	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,706	28:0
1447	0	142	07:39:03.600	117GQ105A106A4AO	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,706	46:0
1448	0	142	07:39:35.600	117GQ105A106A4AP	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,707	03:0
1449	0	142	07:39:47.600	117GQ105A106A4AQ	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,707	21:0
1450	0	142	07:40:19.600	117GQ105A106A4AR	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,707	69:0
1451	0	142	07:40:31.600	117GQ105A106A4AS	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,707	87:0
1452	0	142	07:41:03.600	117GQ105A106A4AT	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,708	44:0
1453	0	142	07:41:15.600	117GQ105A106A4AU	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,708	62:0
1454	0	142	07:41:47.600	117GQ105A106A4AV	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,709	19:0
1455	0	142	07:41:59.600	117GQ105A106A4AW	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,709	37:0
1456	0	142	07:42:31.600	117GQ105A106A4AX	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,709	85:0
1457	0	142	07:42:43.600	117GQ105A106A4AY	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,710	12:0
1458	0	142	07:43:15.600	117GQ105A106A4AZ	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,710	60:0
1459	0	142	07:43:27.600	117GQ105A106A4BA	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,710	78:0
1460	0	142	07:43:59.600	117GQ105A106A4BB	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,711	35:0
1461	0	142	07:44:11.600	117GQ105A106A4BC	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,711	53:0
1462	0	142	07:44:43.600	117GQ105A106A4BD	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,712	10:0
1463	0	142	07:44:55.600	117GQ105A106A4BE	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,712	28:0
1464	0	142	07:45:27.600	117GQ105A106A4BF	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,712	76:0
1465	0	142	07:45:39.600	117GQ105A106A4BG	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,713	03:0
1466	0	142	07:46:11.600	117GQ105A106A4BH	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,713	51:0
1467	0	142	07:46:23.600	117GQ105A106A4BI	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,713	69:0
1468	0	142	07:46:55.600	117GQ105A106A4BJ	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,714	26:0
1469	0	142	07:47:07.600	117GQ105A106A4BK	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,714	44:0
1470	0	142	07:47:39.600	117GQ105A106A4BL	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,715	01:0
1471	0	142	07:47:51.600	117GQ105A106A4BM	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,715	19:0
1472	0	142	07:48:23.600	117GQ105A106A4BN	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,715	67:0
1473	0	142	07:48:35.600	117GQ105A106A4BO	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,715	85:0
1474	0	142	07:48:59.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4640.29 +/- 4	4R3	4	0	5,525,716	30:0
1475	0	142	07:48:59.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,716	30:0
1476	0	142	07:49:01.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4640.41 +/- 4	4R3	4	0	5,525,716	32:1
1477	0	142	07:49:06.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4641.65 +/- 4	4R3	4	0	5,525,716	40:0
1478	0	142	07:49:07.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4641.71 +/- 4	4R3	4	0	5,525,716	41:8
1479	0	142	07:49:07.600	117GQ105A106A4BP	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,716	42:0
1480	0	142	07:49:08.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4641.59 +/- 4	4R3	4	0	5,525,716	43:9
1481	0	142	07:49:19.600	117GQ105A106A4BQ	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,716	60:0
1482	0	142	07:49:24.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4637.82 +/- 4	4R3	4	0	5,525,716	68:0
1483	0	142	07:49:47.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,717	11:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	0	142	07:49:47.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4632.51 +/- 4	4R3	4	0	5,525,717	11:0
1485	0	142	07:49:48.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4632.45 +/- 4	4R3	4	0	5,525,717	12:8
1486	0	142	07:49:51.600	117GQ105A106A4BR	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,717	17:0
1487	0	142	07:50:03.600	117GQ105A106A4BS	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,717	35:0
1488	0	142	07:50:35.600	117GQ105A106A4BT	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,717	83:0
1489	0	142	07:50:47.600	117GQ105A106A4BU	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,718	10:0
1490	0	142	07:51:19.600	117GQ105A106A4BV	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,718	58:0
1491	0	142	07:51:31.600	117GQ105A106A4BW	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,718	76:0
1492	0	142	07:52:03.600	117GQ105A106A4BX	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,719	33:0
1493	0	142	07:52:15.600	117GQ105A106A4BY	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,719	51:0
1494	0	142	07:52:47.600	117GQ105A106A4BZ	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,720	08:0
1495	0	142	07:52:59.600	117GQ105A106A4CA	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,720	26:0
1496	0	142	07:53:31.600	117GQ105A106A4CB	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,720	74:0
1497	0	142	07:53:43.600	117GQ105A106A4CC	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,721	01:0
1498	0	142	07:54:15.600	117GQ105A106A4CD	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,721	49:0
1499	0	142	07:54:27.600	117GQ105A106A4CE	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,721	67:0
1500	0	142	07:54:59.600	117GQ105A106A4CF	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,722	24:0
1501	0	142	07:55:11.600	117GQ105A106A4CG	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,722	42:0
1502	0	142	07:55:43.600	117GQ105A106A4CH	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,722	90:0
1503	0	142	07:55:55.600	117GQ105A106A4CI	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,723	17:0
1504	0	142	07:56:27.600	117GQ105A106A4CJ	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,723	65:0
1505	0	142	07:56:39.600	117GQ105A106A4CK	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,723	83:0
1506	0	142	07:57:11.600	117GQ105A106A4CL	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,724	40:0
1507	0	142	07:57:23.600	117GQ105A106A4CM	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,724	58:0
1508	0	142	07:57:55.600	117GQ105A106A4CN	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,725	15:0
1509	0	142	07:58:07.600	117GQ105A106A4CO	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,725	33:0
1510	0	142	07:58:39.600	117GQ105A106A4CP	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,725	81:0
1511	0	142	07:58:51.600	117GQ105A106A4CQ	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,726	08:0
1512	0	142	07:59:23.600	117GQ105A106A4CR	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,726	56:0
1513	0	142	07:59:35.600	117GQ105A106A4CS	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,726	74:0
1514	0	142	08:00:07.600	117GQ105A106A4CT	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,727	31:0
1515	0	142	08:00:19.600	117GQ105A106A4CU	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,727	49:0
1516	0	142	08:00:51.600	117GQ105A106A4CV	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,728	06:0
1517	0	142	08:01:03.600	117GQ105A106A4CW	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,728	24:0
1518	0	142	08:01:35.600	117GQ105A106A4CX	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,728	72:0
1519	0	142	08:01:47.600	117GQ105A106A4CY	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,728	90:0
1520	0	142	08:02:01.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4632.45 +/- 4	4R3	4	0	5,525,729	20:0
1521	0	142	08:02:01.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,729	20:0
1522	0	142	08:02:03.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4632.57 +/- 4	4R3	4	0	5,525,729	22:1
1523	0	142	08:02:08.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4633.80 +/- 4	4R3	4	0	5,525,729	30:0
1524	0	142	08:02:09.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4633.86 +/- 4	4R3	4	0	5,525,729	31:8
1525	0	142	08:02:10.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4633.74 +/- 4	4R3	4	0	5,525,729	33:9
1526	0	142	08:02:19.600	117GQ105A106A4CZ	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,729	47:0
1527	0	142	08:02:26.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4629.98 +/- 4	4R3	4	0	5,525,729	58:0
1528	0	142	08:02:31.600	117GQ105A106A4DA	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,729	65:0
1529	0	142	08:02:49.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,730	01:0
1530	0	142	08:02:49.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4624.66 +/- 4	4R3	4	0	5,525,730	01:0
1531	0	142	08:02:50.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4624.60 +/- 4	4R3	4	0	5,525,730	02:8
1532	0	142	08:03:03.600	117GQ105A106A4DB	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,730	22:0
1533	0	142	08:03:15.600	117GQ105A106A4DC	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,730	40:0
1534	0	142	08:03:47.600	117GQ105A106A4DD	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,730	88:0
1535	0	142	08:03:59.600	117GQ105A106A4DE	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,731	15:0
1536	0	142	08:04:31.600	117GQ105A106A4DF	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,731	63:0
1537	0	142	08:04:43.600	117GQ105A106A4DG	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,731	81:0
1538	0	142	08:05:15.600	117GQ105A106A4DH	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,732	38:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	0	142	08:05:27.600	117GQ105A106A4DI	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,732	56:0
1540	0	142	08:05:59.600	117GQ105A106A4DJ	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,733	13:0
1541	0	142	08:06:11.600	117GQ105A106A4DK	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,733	31:0
1542	0	142	08:06:43.600	117GQ105A106A4DL	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,733	79:0
1543	0	142	08:06:55.600	117GQ105A106A4DM	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,734	06:0
1544	0	142	08:07:27.600	117GQ105A106A4DN	7STRP	0.0022,0.013051,	Slew =12.01	4R3	4	0	5,525,734	54:0
1545	0	142	08:07:39.600	117GQ105A106A4DO	7STRP	0.0,-0.013001,0,	Slew =,0.76	4R3	4	0	5,525,734	72:0
1546	0	142	08:08:11.600	117GQ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,525,735	29:0
1547	0	142	08:10:23.600	176GQ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,525,737	45:0
1548	0	142	08:10:25.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4624.60 +/- 4	4R3	4	0	5,525,737	48:0
1549	0	142	08:10:25.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,737	48:0
1550	0	142	08:10:27.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4624.72 +/- 4	4R3	4	0	5,525,737	50:1
1551	0	142	08:10:32.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4625.96 +/- 4	4R3	4	0	5,525,737	58:0
1552	0	142	08:10:33.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4626.02 +/- 4	4R3	4	0	5,525,737	59:8
1553	0	142	08:10:34.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4625.90 +/- 4	4R3	4	0	5,525,737	61:9
1554	0	142	08:10:35.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4625.73 +/- 4	4R3	4	0	5,525,737	63:0
1555	0	142	08:10:52.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,737	89:0
1556	0	142	08:10:52.933		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4621.66 +/- 4	4R3	4	0	5,525,737	89:0
1557	0	142	08:10:54.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4621.60 +/- 4	4R3	4	0	5,525,737	90:8
1558	0	142	08:15:57.600	411JH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,743	00:0
1559	0	142	08:15:57.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4621.60 +/- 4	4R3	4	0	5,525,743	00:0
1560	0	142	08:15:59.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4621.72 +/- 4	4R3	4	0	5,525,743	02:1
1561	0	142	08:16:04.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4622.96 +/- 4	4R3	4	0	5,525,743	10:0
1562	0	142	08:16:05.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4623.02 +/- 4	4R3	4	0	5,525,743	11:8
1563	0	142	08:16:06.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4622.90 +/- 4	4R3	4	0	5,525,743	13:9
1564	0	142	08:16:06.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4622.90 +/- 4	4R3	4	0	5,525,743	13:9
1565	0	142	08:16:07.600	411JH6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	5,525,743	15:0
1566	0	142	08:16:57.600	165GR4A	7SCAN	NORM,6.373,2.956	Check S/P Position	4R3	4	0	5,525,743	90:0
1567	0	142	08:18:08.933	411JH6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,525,745	15:0
1568	0	142	08:18:11.600	175TO176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	5,525,745	19:0
1569	0	142	08:18:12.266	175TO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,745	20:0
1570	0	142	08:18:18.933		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4591.94 +/- 4	4R3	4	0	5,525,745	30:0
1571	0	142	08:18:18.933	175TO422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,745	30:0
1572	0	142	08:18:20.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4591.88 +/- 4	4R3	4	0	5,525,745	31:8
1573	0	142	08:21:00.933	176GR6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,525,748	00:0
1574	0	142	08:21:52.266	117GR	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,525,748	77:0
1575	0	142	08:22:01.600	117GR105A106A4A	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,749	00:0
1576	0	142	08:23:56.266	117GR105A106A4B	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,750	81:0
1577	0	142	08:24:05.600	117GR105A106A4C	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,751	04:0
1578	0	142	08:26:00.266	117GR105A106A4D	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,752	85:0
1579	0	142	08:26:09.600	117GR105A106A4E	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,753	08:0
1580	0	142	08:28:04.266	117GR105A106A4F	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,754	89:0
1581	0	142	08:28:13.600	117GR105A106A4G	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,755	12:0
1582	0	142	08:30:08.266	117GR105A106A4H	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,757	02:0
1583	0	142	08:30:17.600	117GR105A106A4I	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,757	16:0
1584	0	142	08:32:12.266	117GR105A106A4J	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,759	06:0
1585	0	142	08:32:21.600	117GR105A106A4K	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,759	20:0
1586	0	142	08:33:35.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,760	40:0
1587	0	142	08:33:35.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4591.88 +/- 4	4R3	4	0	5,525,760	40:0
1588	0	142	08:33:37.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4592.00 +/- 4	4R3	4	0	5,525,760	42:1
1589	0	142	08:33:42.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4593.24 +/- 4	4R3	4	0	5,525,760	50:0
1590	0	142	08:33:43.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4593.30 +/- 4	4R3	4	0	5,525,760	51:8
1591	0	142	08:33:44.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4593.18 +/- 4	4R3	4	0	5,525,760	53:9
1592	0	142	08:34:00.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4589.41 +/- 4	4R3	4	0	5,525,760	78:0
1593	0	142	08:34:16.266	117GR105A106A4L	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,761	10:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	0	142	08:34:23.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4584.10 +/- 4	4R3	4	0	5,525,761	21:0
1595	0	142	08:34:23.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,761	21:0
1596	0	142	08:34:24.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4584.04 +/- 4	4R3	4	0	5,525,761	22:8
1597	0	142	08:34:25.600	117GR105A106A4M	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,761	24:0
1598	0	142	08:36:20.266	117GR105A106A4N	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,763	14:0
1599	0	142	08:36:29.600	117GR105A106A4O	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,763	28:0
1600	0	142	08:38:24.266	117GR105A106A4P	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,765	18:0
1601	0	142	08:38:33.600	117GR105A106A4Q	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,765	32:0
1602	0	142	08:40:28.266	117GR105A106A4R	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,767	22:0
1603	0	142	08:40:37.600	117GR105A106A4S	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,767	36:0
1604	0	142	08:42:32.266	117GR105A106A4T	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,769	26:0
1605	0	142	08:42:41.600	117GR105A106A4U	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,769	40:0
1606	0	142	08:44:36.266	117GR105A106A4V	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,771	30:0
1607	0	142	08:44:45.600	117GR105A106A4W	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,771	44:0
1608	0	142	08:46:37.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,773	30:0
1609	0	142	08:46:37.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4584.04 +/- 4	4R3	4	0	5,525,773	30:0
1610	0	142	08:46:39.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4584.16 +/- 4	4R3	4	0	5,525,773	32:1
1611	0	142	08:46:40.266	117GR105A106A4X	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,773	34:0
1612	0	142	08:46:44.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4585.40 +/- 4	4R3	4	0	5,525,773	40:0
1613	0	142	08:46:45.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4585.46 +/- 4	4R3	4	0	5,525,773	41:8
1614	0	142	08:46:46.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4585.34 +/- 4	4R3	4	0	5,525,773	43:9
1615	0	142	08:46:49.600	117GR105A106A4Y	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,773	48:0
1616	0	142	08:47:02.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4581.57 +/- 4	4R3	4	0	5,525,773	68:0
1617	0	142	08:47:25.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4576.26 +/- 4	4R3	4	0	5,525,774	11:0
1618	0	142	08:47:25.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,774	11:0
1619	0	142	08:47:26.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4576.20 +/- 4	4R3	4	0	5,525,774	12:8
1620	0	142	08:48:44.266	117GR105A106A4Z	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,775	38:0
1621	0	142	08:48:53.600	117GR105A106A4AA	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,775	52:0
1622	0	142	08:50:48.266	117GR105A106A4AB	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,777	42:0
1623	0	142	08:50:57.600	117GR105A106A4AC	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,777	56:0
1624	0	142	08:52:52.266	117GR105A106A4AD	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,779	46:0
1625	0	142	08:53:01.600	117GR105A106A4AE	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,779	60:0
1626	0	142	08:54:56.266	117GR105A106A4AF	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,781	50:0
1627	0	142	08:55:05.600	117GR105A106A4AG	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,781	64:0
1628	0	142	08:57:00.266	117GR105A106A4AH	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,783	54:0
1629	0	142	08:57:09.600	117GR105A106A4AI	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,783	68:0
1630	0	142	08:59:04.266	117GR105A106A4AJ	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,785	58:0
1631	0	142	08:59:13.600	117GR105A106A4AK	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,785	72:0
1632	0	142	08:59:39.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4576.20 +/- 4	4R3	4	0	5,525,786	20:0
1633	0	142	08:59:39.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,786	20:0
1634	0	142	08:59:41.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4576.32 +/- 4	4R3	4	0	5,525,786	22:1
1635	0	142	08:59:46.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4577.55 +/- 4	4R3	4	0	5,525,786	30:0
1636	0	142	08:59:47.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4577.61 +/- 4	4R3	4	0	5,525,786	31:8
1637	0	142	08:59:48.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4577.49 +/- 4	4R3	4	0	5,525,786	33:9
1638	0	142	09:00:00.266	480SE6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	4R3	4	0	5,525,786	51:0
1639	0	142	09:00:04.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4573.73 +/- 4	4R3	4	0	5,525,786	58:0
1640	0	142	09:00:27.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4568.41 +/- 4	4R3	4	0	5,525,787	01:0
1641	0	142	09:00:27.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,787	01:0
1642	0	142	09:00:28.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4568.35 +/- 4	4R3	4	0	5,525,787	02:8
1643	0	142	09:01:08.266	117GR105A106A4AL	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,787	62:0
1644	0	142	09:01:17.600	117GR105A106A4AM	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,787	76:0
1645	0	142	09:03:12.266	117GR105A106A4AN	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,789	66:0
1646	0	142	09:03:21.600	117GR105A106A4AO	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,789	80:0
1647	0	142	09:05:16.266	117GR105A106A4AP	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,791	70:0
1648	0	142	09:05:25.600	117GR105A106A4AQ	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,791	84:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	0	142	09:06:40.266	480SE6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	4R3	4	0	5,525,793:14:0	
1650	0	142	09:07:20.266	117GR105A106A4AR	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,793:74:0	
1651	0	142	09:07:29.600	117GR105A106A4AS	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,793:88:0	
1652	0	142	09:09:24.266	117GR105A106A4AT	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,795:78:0	
1653	0	142	09:09:33.600	117GR105A106A4AU	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,796:01:0	
1654	0	142	09:11:28.266	117GR105A106A4AV	7STRP	-0.066096,-0.001	Slew =12.01	4R3	4	0	5,525,797:82:0	
1655	0	142	09:11:37.600	117GR105A106A4AW	7STRP	0.072125,0.0,0,0	Slew =,0.66	4R3	4	0	5,525,798:05:0	
1656	0	142	09:12:42.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4568.35 +/- 4	4R3	4	0	5,525,799:11:0	
1657	0	142	09:12:42.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,799:11:0	
1658	0	142	09:12:43.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4568.47 +/- 4	4R3	4	0	5,525,799:13:1	
1659	0	142	09:12:48.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4569.71 +/- 4	4R3	4	0	5,525,799:21:0	
1660	0	142	09:12:50.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4569.77 +/- 4	4R3	4	0	5,525,799:22:8	
1661	0	142	09:12:51.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4569.65 +/- 4	4R3	4	0	5,525,799:24:9	
1662	0	142	09:13:06.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4566.04 +/- 4	4R3	4	0	5,525,799:48:0	
1663	0	142	09:13:29.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,799:82:0	
1664	0	142	09:13:29.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4560.73 +/- 4	4R3	4	0	5,525,799:82:0	
1665	0	142	09:13:30.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4560.67 +/- 4	4R3	4	0	5,525,799:83:8	
1666	0	142	09:13:32.266	117GR11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,525,799:86:0	
1667	0	142	09:15:06.266	176GR6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,525,801:45:0	
1668	0	142	09:15:08.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,801:48:0	
1669	0	142	09:15:08.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4560.67 +/- 4	4R3	4	0	5,525,801:48:0	
1670	0	142	09:15:09.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4560.79 +/- 4	4R3	4	0	5,525,801:50:1	
1671	0	142	09:15:14.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4562.02 +/- 4	4R3	4	0	5,525,801:58:0	
1672	0	142	09:15:16.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4562.08 +/- 4	4R3	4	0	5,525,801:59:8	
1673	0	142	09:15:17.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4561.96 +/- 4	4R3	4	0	5,525,801:61:9	
1674	0	142	09:15:18.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4561.79 +/- 4	4R3	4	0	5,525,801:63:0	
1675	0	142	09:15:29.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,801:80:0	
1676	0	142	09:15:29.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4559.13 +/- 4	4R3	4	0	5,525,801:80:0	
1677	0	142	09:15:30.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4559.07 +/- 4	4R3	4	0	5,525,801:81:8	
1678	0	142	10:01:04.266	20RN6B	6RTSL1		R/T Select of DDS and	4R3	4	0	5,525,846:87:0	
1679	0	142	10:15:15.600	165GS4A	7SCAN	NORM,15.55,8.028	Check S/P Position	4R3	4	0	5,525,860:90:0	
1680	0	142	10:19:18.933	176GS6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,525,865:00:0	
1681	0	142	10:20:10.266	117GS	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,525,865:77:0	
1682	0	142	10:20:19.600	117GS105A106A4A	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,866:00:0	
1683	0	142	10:21:12.933	117GS105A106A4B	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,866:80:0	
1684	0	142	10:21:20.266	117GS105A106A4C	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,867:00:0	
1685	0	142	10:22:13.600	117GS105A106A4D	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,867:80:0	
1686	0	142	10:22:20.933	117GS105A106A4E	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,868:00:0	
1687	0	142	10:23:14.266	117GS105A106A4F	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,868:80:0	
1688	0	142	10:23:21.600	117GS105A106A4G	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,869:00:0	
1689	0	142	10:24:14.933	117GS105A106A4H	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,869:80:0	
1690	0	142	10:24:22.266	117GS105A106A4I	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,870:00:0	
1691	0	142	10:25:15.600	117GS105A106A4J	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,870:80:0	
1692	0	142	10:25:22.933	117GS105A106A4K	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,871:00:0	
1693	0	142	10:26:16.266	117GS105A106A4L	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,871:80:0	
1694	0	142	10:26:23.600	117GS105A106A4M	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,872:00:0	
1695	0	142	10:27:16.933	117GS105A106A4N	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,872:80:0	
1696	0	142	10:27:24.266	117GS105A106A4O	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,873:00:0	
1697	0	142	10:28:17.600	117GS105A106A4P	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,873:80:0	
1698	0	142	10:28:24.933	117GS105A106A4Q	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,874:00:0	
1699	0	142	10:29:18.266	117GS105A106A4R	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,874:80:0	
1700	0	142	10:29:25.600	117GS105A106A4S	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,875:00:0	
1701	0	142	10:30:18.933	117GS105A106A4T	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,875:80:0	
1702	0	142	10:30:26.266	117GS105A106A4U	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,876:00:0	
1703	0	142	10:31:19.600	117GS105A106A4V	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,876:80:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	0	142	10:31:26.933	117GS105A106A4W	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,877	00:0
1705	0	142	10:31:53.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4559.07 +/- 4	4R3	4	0	5,525,877	40:0
1706	0	142	10:31:53.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,877	40:0
1707	0	142	10:31:55.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4559.19 +/- 4	4R3	4	0	5,525,877	42:1
1708	0	142	10:32:00.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4560.43 +/- 4	4R3	4	0	5,525,877	50:0
1709	0	142	10:32:01.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4560.49 +/- 4	4R3	4	0	5,525,877	51:8
1710	0	142	10:32:02.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4560.37 +/- 4	4R3	4	0	5,525,877	53:9
1711	0	142	10:32:18.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4556.60 +/- 4	4R3	4	0	5,525,877	78:0
1712	0	142	10:32:20.266	117GS105A106A4X	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,877	80:0
1713	0	142	10:32:27.600	117GS105A106A4Y	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,878	00:0
1714	0	142	10:32:41.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4551.29 +/- 4	4R3	4	0	5,525,878	21:0
1715	0	142	10:32:41.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,878	21:0
1716	0	142	10:32:42.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4551.23 +/- 4	4R3	4	0	5,525,878	22:8
1717	0	142	10:33:20.933	117GS105A106A4Z	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,878	80:0
1718	0	142	10:33:28.266	117GS105A106A4AA	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,879	00:0
1719	0	142	10:34:21.600	117GS105A106A4AB	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,879	80:0
1720	0	142	10:34:28.933	117GS105A106A4AC	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,880	00:0
1721	0	142	10:35:22.266	117GS105A106A4AD	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,880	80:0
1722	0	142	10:35:29.600	117GS105A106A4AE	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,881	00:0
1723	0	142	10:36:22.933	117GS105A106A4AF	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,881	80:0
1724	0	142	10:36:30.266	117GS105A106A4AG	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,882	00:0
1725	0	142	10:37:23.600	117GS105A106A4AH	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,882	80:0
1726	0	142	10:37:30.933	117GS105A106A4AI	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,883	00:0
1727	0	142	10:38:24.266	117GS105A106A4AJ	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,883	80:0
1728	0	142	10:38:31.600	117GS105A106A4AK	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,884	00:0
1729	0	142	10:39:24.933	117GS105A106A4AL	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,884	80:0
1730	0	142	10:39:32.266	117GS105A106A4AM	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,885	00:0
1731	0	142	10:40:25.600	117GS105A106A4AN	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,885	80:0
1732	0	142	10:40:32.933	117GS105A106A4AO	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,886	00:0
1733	0	142	10:41:26.266	117GS105A106A4AP	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,886	80:0
1734	0	142	10:41:33.600	117GS105A106A4AQ	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,887	00:0
1735	0	142	10:42:26.933	117GS105A106A4AR	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,887	80:0
1736	0	142	10:42:34.266	117GS105A106A4AS	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,888	00:0
1737	0	142	10:43:27.600	117GS105A106A4AT	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,888	80:0
1738	0	142	10:43:34.933	117GS105A106A4AU	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,889	00:0
1739	0	142	10:44:28.266	117GS105A106A4AV	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,889	80:0
1740	0	142	10:44:35.600	117GS105A106A4AW	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,890	00:0
1741	0	142	10:44:55.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,890	30:0
1742	0	142	10:44:55.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4551.23 +/- 4	4R3	4	0	5,525,890	30:0
1743	0	142	10:44:57.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4551.35 +/- 4	4R3	4	0	5,525,890	32:1
1744	0	142	10:45:02.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4552.58 +/- 4	4R3	4	0	5,525,890	40:0
1745	0	142	10:45:03.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4552.64 +/- 4	4R3	4	0	5,525,890	41:8
1746	0	142	10:45:04.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4552.52 +/- 4	4R3	4	0	5,525,890	43:9
1747	0	142	10:45:20.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4548.76 +/- 4	4R3	4	0	5,525,890	68:0
1748	0	142	10:45:28.933	117GS105A106A4AX	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,890	80:0
1749	0	142	10:45:36.266	117GS105A106A4AY	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,891	00:0
1750	0	142	10:45:43.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4543.44 +/- 4	4R3	4	0	5,525,891	11:0
1751	0	142	10:45:43.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,891	11:0
1752	0	142	10:45:44.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4543.38 +/- 4	4R3	4	0	5,525,891	12:8
1753	0	142	10:46:29.600	117GS105A106A4AZ	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,891	80:0
1754	0	142	10:46:36.933	117GS105A106A4BA	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,892	00:0
1755	0	142	10:47:30.266	117GS105A106A4BB	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,892	80:0
1756	0	142	10:47:37.600	117GS105A106A4BC	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,893	00:0
1757	0	142	10:48:30.933	117GS105A106A4BD	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,893	80:0
1758	0	142	10:48:38.266	117GS105A106A4BE	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,894	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	0	142	10:49:31.600	117GS105A106A4BF	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,894	80:0
1760	0	142	10:49:38.933	117GS105A106A4BG	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,895	00:0
1761	0	142	10:50:32.266	117GS105A106A4BH	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,895	80:0
1762	0	142	10:50:39.600	117GS105A106A4BI	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,896	00:0
1763	0	142	10:51:32.933	117GS105A106A4BJ	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,896	80:0
1764	0	142	10:51:40.266	117GS105A106A4BK	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,897	00:0
1765	0	142	10:52:33.600	117GS105A106A4BL	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,897	80:0
1766	0	142	10:52:40.933	117GS105A106A4BM	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,898	00:0
1767	0	142	10:53:34.266	117GS105A106A4BN	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,898	80:0
1768	0	142	10:53:41.600	117GS105A106A4BO	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,899	00:0
1769	0	142	10:53:42.266	488AJ6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4R3	4	0	5,525,899	01:0
1770	0	142	10:54:34.933	117GS105A106A4BP	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,899	80:0
1771	0	142	10:54:42.266	117GS105A106A4BQ	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,900	00:0
1772	0	142	10:55:35.600	117GS105A106A4BR	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,900	80:0
1773	0	142	10:55:42.933	117GS105A106A4BS	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,901	00:0
1774	0	142	10:56:36.266	117GS105A106A4BT	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,901	80:0
1775	0	142	10:56:43.600	117GS105A106A4BU	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,902	00:0
1776	0	142	10:57:36.933	117GS105A106A4BV	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,902	80:0
1777	0	142	10:57:44.266	117GS105A106A4BW	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,903	00:0
1778	0	142	10:57:57.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4543.38 +/- 4	4R3	4	0	5,525,903	20:0
1779	0	142	10:57:57.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,903	20:0
1780	0	142	10:57:59.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4543.50 +/- 4	4R3	4	0	5,525,903	22:1
1781	0	142	10:58:04.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4544.74 +/- 4	4R3	4	0	5,525,903	30:0
1782	0	142	10:58:05.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4544.80 +/- 4	4R3	4	0	5,525,903	31:8
1783	0	142	10:58:06.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4544.68 +/- 4	4R3	4	0	5,525,903	33:9
1784	0	142	10:58:22.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4540.91 +/- 4	4R3	4	0	5,525,903	58:0
1785	0	142	10:58:37.600	117GS105A106A4BX	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,903	80:0
1786	0	142	10:58:44.933	117GS105A106A4BY	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,904	00:0
1787	0	142	10:58:45.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4535.60 +/- 4	4R3	4	0	5,525,904	01:0
1788	0	142	10:58:45.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,904	01:0
1789	0	142	10:58:46.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4535.54 +/- 4	4R3	4	0	5,525,904	02:8
1790	0	142	10:59:38.266	117GS105A106A4BZ	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,904	80:0
1791	0	142	10:59:45.600	117GS105A106A4CA	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,905	00:0
1792	0	142	11:00:38.933	117GS105A106A4CB	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,905	80:0
1793	0	142	11:00:46.266	117GS105A106A4CC	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,906	00:0
1794	0	142	11:01:39.600	117GS105A106A4CD	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,906	80:0
1795	0	142	11:01:46.933	117GS105A106A4CE	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,907	00:0
1796	0	142	11:02:40.266	117GS105A106A4CF	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,907	80:0
1797	0	142	11:02:47.600	117GS105A106A4CG	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,908	00:0
1798	0	142	11:03:40.933	117GS105A106A4CH	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,908	80:0
1799	0	142	11:03:48.266	117GS105A106A4CI	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,909	00:0
1800	0	142	11:04:41.600	117GS105A106A4CJ	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,909	80:0
1801	0	142	11:04:48.933	117GS105A106A4CK	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,910	00:0
1802	0	142	11:05:42.266	117GS105A106A4CL	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,910	80:0
1803	0	142	11:05:49.600	117GS105A106A4CM	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,911	00:0
1804	0	142	11:06:42.933	117GS105A106A4CN	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,911	80:0
1805	0	142	11:06:50.266	117GS105A106A4CO	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,912	00:0
1806	0	142	11:07:43.600	117GS105A106A4CP	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,912	80:0
1807	0	142	11:07:50.933	117GS105A106A4CQ	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,913	00:0
1808	0	142	11:08:44.266	117GS105A106A4CR	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,913	80:0
1809	0	142	11:08:51.600	117GS105A106A4CS	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,914	00:0
1810	0	142	11:09:44.933	117GS105A106A4CT	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,914	80:0
1811	0	142	11:09:52.266	117GS105A106A4CU	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,915	00:0
1812	0	142	11:10:45.600	117GS105A106A4CV	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5,525,915	80:0
1813	0	142	11:10:52.933	117GS105A106A4CW	7STRP	0.030009,0.0,0,0	Slew =,0.61	4R3	4	0	5,525,916	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1814	**0**	**142**	**11:10:56.933**	**28NNNEBRLT01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1815	0	142	11:11:00.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,916:11:0	
1816	0	142	11:11:00.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4535.54 +/- 4	4R3	4	0	5,525,916:11:0	
1817	0	142	11:11:01.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4535.66 +/- 4	4R3	4	0	5,525,916:13:1	
1818	**0**	**142**	**11:11:03.600**	**20DF5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,525,916:16:0**	
1819	**0**	**142**	**11:11:06.933**	**20DF5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,525,916:21:0**	
1820	0	142	11:11:06.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4536.90 +/- 4		4	0	5,525,916:21:0	
1821	0	142	11:11:08.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4536.96 +/- 4		4	0	5,525,916:22:8	
1822	0	142	11:11:09.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4536.84 +/- 4		4	0	5,525,916:24:9	
1823	**0**	**142**	**11:11:16.933**	**20DF6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,525,916:36:0**	
1824	0	142	11:11:24.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4533.23 +/- 4		4	0	5,525,916:48:0	
1825	**0**	**142**	**11:11:26.933**	**20DF6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,525,916:51:0**	
1826	**0**	**142**	**11:11:36.933**	**20DF5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,525,916:66:0**	
1827	**0**	**142**	**11:11:40.266**	**20DF5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,525,916:71:0**	
1828	**0**	**142**	**11:11:46.266**	**20DF4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,525,916:80:0**	
1829	0	142	11:11:46.266	117GS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R0	4	0	5,525,916:80:0	
1830	0	142	11:11:47.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	5,525,916:82:0	
1831	0	142	11:11:47.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4527.91 +/- 4	2R0	4	0	5,525,916:82:0	
1832	0	142	11:11:48.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4527.85 +/- 4	2R0	4	0	5,525,916:83:8	
1833	**0**	**142**	**11:12:49.600**	**125DF4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,525,917:84:0**	
1834	0	142	11:12:49.600	125DF	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,525,917:84:0	
1835	0	142	11:12:53.600	165DI4A	**7SCAN**	**NORM,28.686,13.9**	**Check S/P Position**	2R0	4	0	5,525,917:90:0	
1836	**0**	**142**	**11:12:58.266**	**28JNNEBRLT01**		**-----START------**		**2R0**	**4**	**0**	**: :**	
1837	**0**	**142**	**11:12:58.266**	**28NNNEBRLT01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
1838	0	142	11:13:10.933	176GS6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R0	4	0	5,525,918:25:0	
1839	0	142	11:13:12.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4527.85 +/- 4	2R0	4	0	5,525,918:28:0	
1840	0	142	11:13:12.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	5,525,918:28:0	
1841	0	142	11:13:14.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4527.97 +/- 4	2R0	4	0	5,525,918:30:1	
1842	0	142	11:13:19.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4529.21 +/- 4	2R0	4	0	5,525,918:38:0	
1843	0	142	11:13:20.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4529.27 +/- 4	2R0	4	0	5,525,918:39:8	
1844	0	142	11:13:22.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4529.15 +/- 4	2R0	4	0	5,525,918:41:9	
1845	0	142	11:13:22.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4528.98 +/- 4	2R0	4	0	5,525,918:43:0	
1846	0	142	11:13:34.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	5,525,918:60:0	
1847	0	142	11:13:34.266		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4526.32 +/- 4	2R0	4	0	5,525,918:60:0	
1848	0	142	11:13:35.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4526.26 +/- 4	2R0	4	0	5,525,918:61:8	
1849	0	142	11:13:50.266	125DF11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,525,918:84:0	
1850	**0**	**142**	**11:13:50.266**	**125DF4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,525,918:84:0**	
1851	0	142	11:16:47.600	117DI	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,525,921:77:0	
1852	0	142	11:16:52.266	127DF	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,525,921:84:0	
1853	**0**	**142**	**11:16:52.266**	**127DF4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,525,921:84:0**	
1854	**0**	**142**	**11:16:52.933**	**127DF4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,525,921:85:0**	
1855	0	142	11:16:55.600	165DI4B	7VECT		Inert vect update UTC	2R3	4	0	5,525,921:89:0	
1856	0	142	11:16:56.933	117DI105A106A4A	**7STRP**	**-0.019703,0.0,0,**	**Slew =,0.03**	2R3	4	0	5,525,922:00:0	
1857	0	142	11:17:00.933	127DF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,525,922:06:0	
1858	**0**	**142**	**11:17:00.933**	**432DF6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,525,922:06:0**	
1859	**0**	**142**	**11:27:06.266**	**432EF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,525,932:04:0**	
1860	0	142	11:28:00.933	117DI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,525,932:86:0	
1861	**0**	**142**	**11:28:08.266**	**28JNNEBRLT01**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1862	**0**	**142**	**11:31:10.266**	**28JNNTZRLT01**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1863	**0**	**142**	**11:32:02.266**	**125DG4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**5,525,936:84:0**	
1864	0	142	11:32:02.266	125DG	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	5,525,936:84:0	
1865	**0**	**142**	**11:33:02.933**	**125DG4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**5,525,937:84:0**	
1866	0	142	11:33:02.933	125DG11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	5,525,937:84:0	
1867	0	142	11:33:49.600	432OI431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,525,938:63:0	
1868	0	142	11:33:50.266	432OI6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,525,938:64:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1869	0	142	11:35:08.266	165DJ4A	**7SCAN**	**NORM,30.792,16.3**	**Check S/P Position**	2R3	4	0	5,525,939:90:0
1870	**0**	**142**	**11:37:05.600**	**127DG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,525,941:84:0**
1871	0	142	11:37:05.600	127DG	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,525,941:84:0
1872	**0**	**142**	**11:37:06.266**	**127DG4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,525,941:85:0**
1873	0	142	11:37:14.266	127DG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,525,942:06:0
1874	0	142	11:39:02.266	117DJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,525,943:77:0
1875	0	142	11:39:11.600	117DJ105A106A4A	**7STRP**	**-0.019703,0.0,0,**	**Slew =,0.03**	2R3	4	0	5,525,944:00:0
1876	**0**	**142**	**11:39:15.600**	**432DG6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,525,944:06:0**
1877	**0**	**142**	**11:49:20.933**	**432EG6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,525,954:04:0**
1878	0	142	11:50:15.600	117DJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,525,954:86:0
1879	**0**	**142**	**11:50:22.933**	**28JNNTZRLT01**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1880	0	142	11:51:19.600	411JI6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,525,956:00:0
1881	0	142	11:51:19.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4526.26 +/- 4	2R3	4	0	5,525,956:00:0
1882	0	142	11:51:19.600	192GT4A	**7CONE**	**9.0,0.0**	Check S/P Position	2R3	4	0	5,525,956:00:0
1883	0	142	11:51:21.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4526.38 +/- 4	2R3	4	0	5,525,956:02:1
1884	0	142	11:51:26.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4527.61 +/- 4	2R3	4	0	5,525,956:10:0
1885	0	142	11:51:27.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4527.67 +/- 4	2R3	4	0	5,525,956:11:8
1886	0	142	11:51:28.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4527.55 +/- 4	2R3	4	0	5,525,956:13:9
1887	0	142	11:51:28.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4527.55 +/- 4	2R3	4	0	5,525,956:13:9
1888	0	142	11:51:29.600	411JI6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,525,956:15:0
1889	0	142	11:53:30.933	411JI6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,525,958:15:0
1890	0	142	11:53:33.600	175TP176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,525,958:19:0
1891	0	142	11:53:34.266	175TP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,525,958:20:0
1892	0	142	11:53:40.933	175TP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,525,958:30:0
1893	0	142	11:53:40.933		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4496.60 +/- 4	2R3	4	0	5,525,958:30:0
1894	0	142	11:53:42.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4496.54 +/- 4	2R3	4	0	5,525,958:31:8
1895	0	142	11:58:24.266	176GT6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,525,963:00:0
1896	0	142	12:00:38.933	176GT6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,525,965:20:0
1897	0	142	12:00:40.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,525,965:23:0
1898	0	142	12:00:40.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4496.54 +/- 4	2R3	4	0	5,525,965:23:0
1899	0	142	12:00:42.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4496.66 +/- 4	2R3	4	0	5,525,965:25:1
1900	0	142	12:00:47.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4497.90 +/- 4	2R3	4	0	5,525,965:33:0
1901	0	142	12:00:48.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4497.96 +/- 4	2R3	4	0	5,525,965:34:8
1902	0	142	12:00:50.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4497.84 +/- 4	2R3	4	0	5,525,965:36:9
1903	0	142	12:00:50.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4497.66 +/- 4	2R3	4	0	5,525,965:38:0
1904	0	142	12:01:02.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,525,965:55:0
1905	0	142	12:01:02.266		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4495.01 +/- 4	2R3	4	0	5,525,965:55:0
1906	0	142	12:01:03.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4494.95 +/- 4	2R3	4	0	5,525,965:56:8
1907	0	142	12:03:27.600	192GT4B	**7CONE**	**9.0,90.0**	Check S/P Position	2R3	4	0	5,525,968:00:0
1908	0	142	12:20:38.200	165GU4A	7SCAN	NORM,357.328999,	Check S/P Position	2R3	4	0	5,525,984:90:0
1909	0	142	12:23:40.866	176GU6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,525,988:00:0
1910	0	142	12:24:32.200	117GU	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,525,988:77:0
1911	0	142	12:24:41.533	117GU105A106A4A	7STRP	0.001,-0.008,0,0	Slew =,0.51	2R3	4	0	5,525,989:00:0
1912	0	142	12:25:06.866	117GU105A106A4B	7STRP	-0.0012,0.008,0,	Slew =12.01	2R3	4	0	5,525,989:38:0
1913	0	142	12:25:19.533	117GU105A106A4C	7STRP	0.001,-0.008,0,0	Slew =,0.51	2R3	4	0	5,525,989:57:0
1914	0	142	12:25:44.866	117GU105A106A4D	7STRP	-0.0012,0.008,0,	Slew =12.01	2R3	4	0	5,525,990:04:0
1915	0	142	12:25:57.533	117GU105A106A4E	7STRP	0.001,-0.008,0,0	Slew =,0.51	2R3	4	0	5,525,990:23:0
1916	0	142	12:26:22.866	117GU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,525,990:61:0
1917	0	142	12:28:08.200	176GU6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,525,992:37:0
1918	0	142	12:28:10.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4494.95 +/- 4	2R3	4	0	5,525,992:40:0
1919	0	142	12:28:10.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,525,992:40:0
1920	0	142	12:28:11.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4495.07 +/- 4	2R3	4	0	5,525,992:42:1
1921	0	142	12:28:16.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4496.30 +/- 4	2R3	4	0	5,525,992:50:0
1922	0	142	12:28:18.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4496.36 +/- 4	2R3	4	0	5,525,992:51:8
1923	0	142	12:28:19.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4496.24 +/- 4	2R3	4	0	5,525,992:53:9

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1924	0	142	12:28:20.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4496.07 +/- 4	2R3	4	0	5,525,992:55:0	
1925	0	142	12:28:32.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,525,992:74:0	
1926	0	142	12:28:32.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4493.10 +/- 4	2R3	4	0	5,525,992:74:0	
1927	0	142	12:28:34.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4493.04 +/- 4	2R3	4	0	5,525,992:75:8	
1928	0	142	12:28:43.533	165IK4A	7SCAN	NORM,24.856,11.8	Check S/P Position	2R3	4	0	5,525,992:90:0	
1929	0	142	12:29:34.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4493.04 +/- 4	2R3	4	0	5,525,993:76:0	
1930	0	142	12:29:34.866	175IK422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	5,525,993:76:0	
1931	0	142	12:29:36.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4493.16 +/- 4	2R3	4	0	5,525,993:78:1	
1932	0	142	12:29:36.866	118IK	**SMOS**	GS		2R3	4	0	5,525,993:79:0	
1933	0	142	12:29:41.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4494.40 +/- 4	2R3	4	0	5,525,993:86:0	
1934	0	142	12:29:42.733		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC *4494.46 +/- 4	2R3	4	0	5,525,993:87:8	
1935	0	142	12:29:43.533	165IK4B	7VECT		Inert vect update UTC	2R3	4	0	5,525,993:89:0	
1936	0	142	12:29:46.200	175IK176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,525,994:02:0	
1937	0	142	12:29:46.600		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 4471.46 +/- 4	2R3	4	0	5,525,994:02:6	
1938	0	142	12:29:46.600		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC *4471.46 +/- 4	2R3	4	0	5,525,994:02:6	
1939	0	142	12:29:46.866	118IK110A111A4A	7STRP	0.006,0.0008,26,	Slew =,3.01	2R3	4	0	5,525,994:03:0	
1940	0	142	12:29:50.200	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,525,994:08:0	
1941	0	142	12:29:50.200		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC *4427.16 +/- 4	2R3	4	0	5,525,994:08:0	
1942	0	142	12:29:52.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4423.16 +/- 5	2R3	4	0	5,525,994:12:1	
1943	0	142	12:29:55.533	118IK11A	**SMOS**	GE		2R3	4	0	5,525,994:16:0	
1944	0	142	12:31:01.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4423.16 +/- 5	2R3	4	0	5,525,995:24:0	
1945	0	142	12:31:01.533	175JK422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	5,525,995:24:0	
1946	0	142	12:31:02.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4423.28 +/- 5	2R3	4	0	5,525,995:26:1	
1947	0	142	12:31:08.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4424.51 +/- 5	2R3	4	0	5,525,995:34:0	
1948	0	142	12:31:09.400		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC *4424.57 +/- 5	2R3	4	0	5,525,995:35:8	
1949	0	142	12:31:12.866	175JK176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,525,995:41:0	
1950	0	142	12:31:13.266		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC *4401.57 +/- 5	2R3	4	0	5,525,995:41:6	
1951	0	142	12:31:13.266		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 4401.57 +/- 5	2R3	4	0	5,525,995:41:6	
1952	0	142	12:31:16.866	175JK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,525,995:47:0	
1953	0	142	12:31:16.866		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC *4357.28 +/- 5	2R3	4	0	5,525,995:47:0	
1954	0	142	12:31:19.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4353.28 +/- 5	2R3	4	0	5,525,995:51:1	
1955	0	142	13:00:04.200	165GV4A	7SCAN	NORM,2.087,1.677	Check S/P Position	2R3	4	0	5,526,023:90:0	
1956	0	142	13:03:06.866	176GV6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,526,027:00:0	
1957	0	142	13:03:58.200	117GV	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,526,027:77:0	
1958	0	142	13:04:07.533	117GV105A106A4A	7STRP	0.001,-0.008,0,0	Slew =,0.51	2R3	4	0	5,526,028:00:0	
1959	0	142	13:04:34.200	117GV105A106A4B	7STRP	-0.0012,0.008,0,	Slew =12.01	2R3	4	0	5,526,028:40:0	
1960	0	142	13:04:46.866	117GV105A106A4C	7STRP	0.001,-0.008,0,0	Slew =,0.51	2R3	4	0	5,526,028:59:0	
1961	0	142	13:05:13.533	117GV105A106A4D	7STRP	-0.0012,0.008,0,	Slew =12.01	2R3	4	0	5,526,029:08:0	
1962	0	142	13:05:26.200	117GV105A106A4E	7STRP	0.001,-0.008,0,0	Slew =,0.51	2R3	4	0	5,526,029:27:0	
1963	0	142	13:05:52.866	117GV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,526,029:67:0	
1964	0	142	13:07:08.866	165IL4A	7SCAN	NORM,50.82,20.26	Check S/P Position	2R3	4	0	5,526,030:90:0	
1965	0	142	13:07:39.533	176GV6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,526,031:45:0	
1966	0	142	13:07:41.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4353.28 +/- 5	2R3	4	0	5,526,031:48:0	
1967	0	142	13:07:41.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,526,031:48:0	
1968	0	142	13:07:42.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4353.40 +/- 5	2R3	4	0	5,526,031:50:1	
1969	0	142	13:07:48.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4354.63 +/- 5	2R3	4	0	5,526,031:58:0	
1970	0	142	13:07:49.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4354.69 +/- 5	2R3	4	0	5,526,031:59:8	
1971	0	142	13:07:50.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4354.57 +/- 5	2R3	4	0	5,526,031:61:9	
1972	0	142	13:07:51.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4354.40 +/- 5	2R3	4	0	5,526,031:63:0	
1973	0	142	13:08:04.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,526,031:82:0	
1974	0	142	13:08:04.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4351.43 +/- 5	2R3	4	0	5,526,031:82:0	
1975	0	142	13:08:05.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4351.37 +/- 5	2R3	4	0	5,526,031:83:8	
1976	0	142	13:11:02.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4351.37 +/- 5	2R3	4	0	5,526,034:76:0	
1977	0	142	13:11:02.200	175IL422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	5,526,034:76:0	
1978	0	142	13:11:03.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4351.49 +/- 5	2R3	4	0	5,526,034:78:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1979	0	142	13:11:04.200	118IL	**SMOS**	GS		2R3	4	0	5,526,034	79:0
1980	0	142	13:11:08.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4352.72 +/- 5	2R3	4	0	5,526,034	86:0
1981	0	142	13:11:10.066		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC *4352.78 +/- 5	2R3	4	0	5,526,034	87:8
1982	0	142	13:11:10.866	165IL4B	7VECT		Inert vect update UTC	2R3	4	0	5,526,034	89:0
1983	0	142	13:11:13.533	175IL176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,526,035	02:0
1984	0	142	13:11:13.933		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 4329.78 +/- 5	2R3	4	0	5,526,035	02:6
1985	0	142	13:11:13.933		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC *4329.78 +/- 5	2R3	4	0	5,526,035	02:6
1986	0	142	13:11:14.200	118IL110A111A4A	7STRP	0.006,-0.0019,26	Slew =,3.01	2R3	4	0	5,526,035	03:0
1987	0	142	13:11:17.533		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC *4285.49 +/- 5	2R3	4	0	5,526,035	08:0
1988	0	142	13:11:17.533	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,526,035	08:0
1989	0	142	13:11:20.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4281.49 +/- 5	2R3	4	0	5,526,035	12:1
1990	0	142	13:12:28.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4281.49 +/- 5	2R3	4	0	5,526,036	24:0
1991	0	142	13:12:28.866	175JL422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	5,526,036	24:0
1992	0	142	13:12:30.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4281.61 +/- 5	2R3	4	0	5,526,036	26:1
1993	0	142	13:12:35.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4282.84 +/- 5	2R3	4	0	5,526,036	34:0
1994	0	142	13:12:36.733		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC *4282.90 +/- 5	2R3	4	0	5,526,036	35:8
1995	0	142	13:12:40.200	175JL176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,526,036	41:0
1996	0	142	13:12:40.600		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 4259.90 +/- 6	2R3	4	0	5,526,036	41:6
1997	0	142	13:12:40.600		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC *4259.90 +/- 5	2R3	4	0	5,526,036	41:6
1998	0	142	13:12:44.200	175JL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,526,036	47:0
1999	0	142	13:12:44.200		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC *4215.60 +/- 6	2R3	4	0	5,526,036	47:0
2000	0	142	13:12:46.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4211.60 +/- 6	2R3	4	0	5,526,036	51:1
2001	0	142	13:13:55.533	175JZ422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	5,526,037	63:0
2002	0	142	13:13:55.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4211.60 +/- 6	2R3	4	0	5,526,037	63:0
2003	0	142	13:13:56.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4211.72 +/- 6	2R3	4	0	5,526,037	65:1
2004	0	142	13:14:02.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4212.96 +/- 6	2R3	4	0	5,526,037	73:0
2005	0	142	13:14:03.400		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC *4213.02 +/- 6	2R3	4	0	5,526,037	74:8
2006	0	142	13:14:06.866	175JZ176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,526,037	80:0
2007	0	142	13:14:07.266		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC *4190.02 +/- 6	2R3	4	0	5,526,037	80:6
2008	0	142	13:14:07.266		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 4190.02 +/- 6	2R3	4	0	5,526,037	80:6
2009	0	142	13:14:07.533	118IL11A	**SMOS**	GE		2R3	4	0	5,526,037	81:0
2010	0	142	13:14:10.866		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC *4145.72 +/- 6	2R3	4	0	5,526,037	86:0
2011	0	142	13:14:10.866	175JZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,526,037	86:0
2012	0	142	13:14:13.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4141.72 +/- 6	2R3	4	0	5,526,037	90:1
2013	**0**	**142**	**14:25:04.933**	**28NNNEBRLT02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2014	**0**	**142**	**14:25:11.533**	**20DH5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,526,108**	**16:0**
2015	**0**	**142**	**14:25:14.866**	**20DH5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,526,108**	**21:0**
2016	**0**	**142**	**14:25:24.866**	**20DH6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,526,108**	**36:0**
2017	**0**	**142**	**14:25:34.866**	**20DH6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,526,108**	**51:0**
2018	**0**	**142**	**14:25:44.866**	**20DH5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,526,108**	**66:0**
2019	**0**	**142**	**14:25:48.200**	**20DH5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,526,108**	**71:0**
2020	**0**	**142**	**14:25:54.200**	**20DH4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,526,108**	**80:0**
2021	**0**	**142**	**14:27:06.266**	**28NNNEBRLT02-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2022	**0**	**142**	**14:27:06.266**	**28JNNEBRLT02**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2023	**0**	**142**	**14:27:58.200**	**125DH4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,526,110**	**84:0**
2024	0	142	14:27:58.200	125DH	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,526,110	84:0
2025	**0**	**142**	**14:28:58.866**	**125DH4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,526,111**	**84:0**
2026	0	142	14:28:58.866	125DH11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,526,111	84:0
2027	0	142	14:30:03.533	165DK4A	**7SCAN**	**NORM,41.318,18.4**	**Check S/P Position**	2R0	4	0	5,526,112	90:0
2028	0	142	14:33:57.533	117DK	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,526,116	77:0
2029	0	142	14:34:02.200	127DH	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,526,116	84:0
2030	**0**	**142**	**14:34:02.200**	**127DH4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,526,116**	**84:0**
2031	**0**	**142**	**14:34:02.866**	**127DH4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,526,116**	**85:0**
2032	0	142	14:34:05.533	165DK4B	7VECT		Inert vect update UTC	2R3	4	0	5,526,116	89:0
2033	0	142	14:34:06.866	117DK105A106A4A	**7STRP**	**-0.019703,0.0,0,**	**Slew =,0.03**	2R3	4	0	5,526,117	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2034	**0**	**142**	**14:34:10.866**	**432DH6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,526,117:06:0**
2035	0	142	14:34:10.866	127DH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,526,117:06:0
2036	0	142	14:42:12.200	411JJ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,526,125:00:0
2037	0	142	14:42:12.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4141.72 +/- 6	2R3	4	0	5,526,125:00:0
2038	0	142	14:42:13.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4141.84 +/- 6	2R3	4	0	5,526,125:02:1
2039	0	142	14:42:18.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4143.08 +/- 6	2R3	4	0	5,526,125:10:0
2040	0	142	14:42:20.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4143.14 +/- 6	2R3	4	0	5,526,125:11:8
2041	0	142	14:42:21.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4143.02 +/- 6	2R3	4	0	5,526,125:13:9
2042	0	142	14:42:21.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4143.02 +/- 6	2R3	4	0	5,526,125:13:9
2043	0	142	14:42:22.200	411JJ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,526,125:15:0
2044	**0**	**142**	**14:44:16.200**	**432EH6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,526,127:04:0**
2045	0	142	14:44:23.533	411JJ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,526,127:15:0
2046	0	142	14:44:26.200	175TQ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,526,127:19:0
2047	0	142	14:44:26.866	175TQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,526,127:20:0
2048	0	142	14:44:33.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4112.06 +/- 6	2R3	4	0	5,526,127:30:0
2049	0	142	14:44:33.533	175TQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,526,127:30:0
2050	0	142	14:44:34.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4112.00 +/- 6	2R3	4	0	5,526,127:31:8
2051	0	142	14:45:09.533	125DI	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	5,526,127:84:0
2052	**0**	**142**	**14:45:09.533**	**125DI4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**5,526,127:84:0**
2053	0	142	14:45:10.866	117DK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,526,127:86:0
2054	0	142	14:45:13.533	165DL4A	**7SCAN**	**NORM,42.141,19.9**	**Check S/P Position**	2R3	4	0	5,526,127:90:0
2055	**0**	**142**	**14:45:18.266**	**28JNNEBRLT02**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2056	**0**	**142**	**14:45:18.266**	**28JNNTZRLT02**		**-----START------**		**2R3**	**4**	**0**	**: :**
2057	**0**	**142**	**14:46:10.200**	**125DI4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**5,526,128:84:0**
2058	0	142	14:46:10.200	125DI11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	5,526,128:84:0
2059	0	142	14:49:07.533	117DL	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,526,131:77:0
2060	**0**	**142**	**14:49:12.200**	**127DI4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,526,131:84:0**
2061	0	142	14:49:12.200	127DI	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,526,131:84:0
2062	**0**	**142**	**14:49:12.866**	**127DI4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,526,131:85:0**
2063	0	142	14:49:15.533	165DL4B	7VECT		Inert vect update UTC	2R3	4	0	5,526,131:89:0
2064	0	142	14:49:16.866	117DL105A106A4A	**7STRP**	**-0.019703,0.0,0,**	**Slew =,0.03**	2R3	4	0	5,526,132:00:0
2065	0	142	14:49:20.866	127DI11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,526,132:06:0
2066	**0**	**142**	**14:49:20.866**	**432DI6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,526,132:06:0**
2067	**0**	**142**	**14:59:26.200**	**432EI6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,526,142:04:0**
2068	0	142	15:00:20.866	117DL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,526,142:86:0
2069	**0**	**142**	**15:00:28.266**	**28JNNTZRLT02**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2070	0	142	19:59:41.533	411KW6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,526,439:00:0
2071	0	142	19:59:41.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4112.00 +/- 6	2R3	4	0	5,526,439:00:0
2072	0	142	19:59:42.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4112.12 +/- 6	2R3	4	0	5,526,439:02:1
2073	0	142	19:59:48.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4113.36 +/- 6	2R3	4	0	5,526,439:10:0
2074	0	142	19:59:49.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4113.42 +/- 6	2R3	4	0	5,526,439:11:8
2075	0	142	19:59:50.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4113.30 +/- 6	2R3	4	0	5,526,439:13:9
2076	0	142	19:59:50.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4113.30 +/- 6	2R3	4	0	5,526,439:13:9
2077	0	142	19:59:51.533	411KW6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,526,439:15:0
2078	0	142	20:01:52.866	411KW6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,526,441:15:0
2079	0	142	20:01:55.533	175TR176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,526,441:19:0
2080	0	142	20:01:56.200	175TR422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,526,441:20:0
2081	0	142	20:02:02.866	175TR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,526,441:30:0
2082	0	142	20:02:02.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4082.34 +/- 6	2R3	4	0	5,526,441:30:0
2083	0	142	20:02:04.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4082.28 +/- 6	2R3	4	0	5,526,441:31:8
2084	0	142	20:46:58.866	488AK6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,526,485:70:0
2085	0	142	21:16:32.866	488AK6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,526,515:01:0
2086	0	142	21:30:00.200	480SG6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,526,528:29:0
2087	0	142	21:36:40.200	480SG6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,526,534:83:0
2088	0	142	22:04:11.533	20MC6A	6CKSUM	MAG,4040,46F0		2R3	4	0	5,526,562:12:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2089	0	142	22:05:08.200	480MB6	6MROH	12	read from LLM1A12,2282,0,A2	2R3	4	0	5,526,563:06:0	
2090	0	142	22:05:08.200	480MB6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	2R3	4	0	5,526,563:06:0	
2091	**0**	**142**	**22:10:11.600**	**28NNNEBRLT03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2092	**0**	**142**	**22:10:18.200**	**20DJ5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,526,568:16:0**	
2093	**0**	**142**	**22:10:21.533**	**20DJ5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,526,568:21:0**	
2094	**0**	**142**	**22:10:31.533**	**20DJ6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,526,568:36:0**	
2095	**0**	**142**	**22:10:41.533**	**20DJ6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,526,568:51:0**	
2096	**0**	**142**	**22:10:51.533**	**20DJ5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,526,568:66:0**	
2097	**0**	**142**	**22:10:54.866**	**20DJ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,526,568:71:0**	
2098	**0**	**142**	**22:11:00.866**	**20DJ4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,526,568:80:0**	
2099	**0**	**142**	**22:12:12.933**	**28NNNEBRLT03-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2100	**0**	**142**	**22:12:12.933**	**28JNNEBRLT03**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2101	0	142	22:13:04.866	125DJ	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,526,570:84:0	
2102	**0**	**142**	**22:13:04.866**	**125DJ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,526,570:84:0**	
2103	0	142	22:14:05.533	125DJ11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,526,571:84:0	
2104	**0**	**142**	**22:14:05.533**	**125DJ4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,526,571:84:0**	
2105	0	142	22:15:10.200	165DM4A	**7SCAN**	**NORM,71.117999,2**	**Check S/P Position**	2R0	4	0	5,526,572:90:0	
2106	0	142	22:19:04.200	117DM	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,526,576:77:0	
2107	**0**	**142**	**22:19:08.866**	**127DJ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,526,576:84:0**	
2108	0	142	22:19:08.866	127DJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,526,576:84:0	
2109	**0**	**142**	**22:19:09.533**	**127DJ4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,526,576:85:0**	
2110	0	142	22:19:12.200	165DM4B	7VECT		Inert vect update UTC	2R3	4	0	5,526,576:89:0	
2111	0	142	22:19:13.533	117DM105A106A4A	**7STRP**	**0.019703,0.0,0,0**	**Slew =,0.03**	2R3	4	0	5,526,577:00:0	
2112	**0**	**142**	**22:19:17.533**	**432DJ6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,526,577:06:0**	
2113	0	142	22:19:17.533	127DJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,526,577:06:0	
2114	**0**	**142**	**22:29:22.866**	**432FD6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,526,587:04:0**	
2115	0	142	22:30:17.533	117DM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,526,587:86:0	
2116	**0**	**142**	**22:30:24.933**	**28JNNEBRLT03**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2117	**0**	**142**	**22:30:24.933**	**28JNNTZRLT03**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2118	0	142	22:35:19.533	125DK	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	5,526,592:84:0	
2119	**0**	**142**	**22:35:19.533**	**125DK4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**5,526,592:84:0**	
2120	0	142	22:35:23.533	165DN4A	**7SCAN**	**NORM,72.061,26.0**	**Check S/P Position**	2R3	4	0	5,526,592:90:0	
2121	**0**	**142**	**22:36:20.200**	**125DK4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**5,526,593:84:0**	
2122	0	142	22:36:20.200	125DK11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	5,526,593:84:0	
2123	0	142	22:39:17.533	117DN	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,526,596:77:0	
2124	**0**	**142**	**22:39:22.200**	**127DK4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,526,596:84:0**	
2125	0	142	22:39:22.200	127DK	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,526,596:84:0	
2126	**0**	**142**	**22:39:22.866**	**127DK4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,526,596:85:0**	
2127	0	142	22:39:25.533	165DN4B	7VECT		Inert vect update UTC	2R3	4	0	5,526,596:89:0	
2128	0	142	22:39:26.866	117DN105A106A4A	**7STRP**	**0.019703,0.0,0,0**	**Slew =,0.03**	2R3	4	0	5,526,597:00:0	
2129	0	142	22:39:30.866	127DK11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,526,597:06:0	
2130	**0**	**142**	**22:39:30.866**	**432DK6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,526,597:06:0**	
2131	**0**	**142**	**22:49:36.200**	**432EK6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,526,607:04:0**	
2132	0	142	22:50:30.866	117DN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,526,607:86:0	
2133	**0**	**142**	**22:50:38.266**	**28JNNTZRLT03**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2134	0	142	23:30:00.200	20TS4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R3	4	0	5,526,647:00:0	
2135	0	142	23:30:50.200	20TS4B	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5,526,647:75:0	
2136	0	142	23:30:58.200	20TS4F	7STAR	1,714,297.09	Star catalog update	2R3	4	0	5,526,647:87:0	
2137	0	142	23:31:00.200	20TS4G	7STAR	2,586,151.424,12	Star catalog update	2R3	4	0	5,526,647:90:0	
2138	0	142	23:31:02.200	20TS4H	7STAR	3,348,192.96	Star catalog update	2R3	4	0	5,526,648:02:0	
2139	0	142	23:31:04.200	20TS4I	7STAR	4,0,0.0,0.0	Star catalog update	2R3	4	0	5,526,648:05:0	
2140	0	142	23:31:06.200	20TS4J	7STAR	5,0,0.0,0.0	Star catalog update	2R3	4	0	5,526,648:08:0	
2141	0	142	23:31:08.200	20TS4K	7STAR	6,0,0.0,0.0	Star catalog update	2R3	4	0	5,526,648:11:0	
2142	0	142	23:35:02.866	432OE431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,526,651:90:0	
2143	0	142	23:35:03.533	432OE6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,526,652:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2144	0	142	23:55:57.533	20UO4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R3	4	0	5,526,672:61:0
2145	0	143	00:03:00.200	488AK6C	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	2R3	4	0	5,526,679:58:0
2146	0	143	00:29:39.533	411JK6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,526,706:00:0
2147	0	143	00:29:39.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4082.28 +/- 6	2R3	4	0	5,526,706:00:0
2148	0	143	00:29:40.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4082.40 +/- 6	2R3	4	0	5,526,706:02:1
2149	0	143	00:29:46.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4083.64 +/- 6	2R3	4	0	5,526,706:10:0
2150	0	143	00:29:47.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4083.70 +/- 6	2R3	4	0	5,526,706:11:8
2151	0	143	00:29:48.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4083.58 +/- 6	2R3	4	0	5,526,706:13:9
2152	0	143	00:29:48.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4083.58 +/- 6	2R3	4	0	5,526,706:13:9
2153	0	143	00:29:49.533	411JK6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,526,706:15:0
2154	0	143	00:31:50.866	411JK6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,526,708:15:0
2155	0	143	00:31:53.533	175TS176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,526,708:19:0
2156	0	143	00:31:54.200	175TS422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,526,708:20:0
2157	0	143	00:32:00.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4052.63 +/- 6	2R3	4	0	5,526,708:30:0
2158	0	143	00:32:00.866	175TS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,526,708:30:0
2159	0	143	00:32:02.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4052.57 +/- 6	2R3	4	0	5,526,708:31:8
2160	0	143	00:39:00.200	20SV4I	**7MODE**	**INT**	AACS INERTIAL MODE	2R3	4	0	5,526,715:22:0
2161	0	143	00:54:00.200	20SV4K	7SLEW	INIT,POS,17.45	Stator movement	2R3	4	0	5,526,730:07:0
2162	0	143	01:06:00.200	20SV4L	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5,526,741:86:0
2163	0	143	01:13:00.200	20SV4M	7SLEW	INIT,NEG,17.45	Stator movement	2R3	4	0	5,526,748:79:0
2164	0	143	01:25:00.200	20SV4N	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5,526,760:67:0
2165	0	143	01:37:00.200	20SV4AH	**7MODE**	**CRU**	AACS CRUISE MODE	2R3	4	0	5,526,772:55:0
2166	0	143	01:53:04.200	20SW4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R3	4	0	5,526,788:45:0
2167	0	143	01:53:54.200	20SW4B	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5,526,789:29:0
2168	0	143	02:00:00.200	481UA4A	7VECT		Inert vect update UTC	2R3	4	0	5,526,795:32:0
2169	0	143	02:13:00.200	488AK6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,526,808:19:0
2170	0	143	02:15:00.200	480SH6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,526,810:17:0
2171	0	143	02:21:40.200	480SH6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,526,816:71:0
2172	**0**	**143**	**03:17:34.266**	**28NNEQBLGE01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2173	**0**	**143**	**03:17:40.866**	**20DL5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,526,872:16:0**
2174	**0**	**143**	**03:17:44.200**	**20DL5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,526,872:21:0**
2175	**0**	**143**	**03:17:54.200**	**20DL6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,526,872:36:0**
2176	**0**	**143**	**03:18:04.200**	**20DL6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,526,872:51:0**
2177	**0**	**143**	**03:18:14.200**	**20DL5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,526,872:66:0**
2178	**0**	**143**	**03:18:17.533**	**20DL5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,526,872:71:0**
2179	**0**	**143**	**03:18:23.533**	**20DL4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,526,872:80:0**
2180	**0**	**143**	**03:19:35.600**	**28JNEQBLGE01**		**-----START------**		**2R0**	**4**	**0**	**: :**
2181	**0**	**143**	**03:19:35.600**	**28NNEQBLGE01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
2182	**0**	**143**	**03:20:27.533**	**125DL4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,526,874:84:0**
2183	0	143	03:20:27.533	125DL	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,526,874:84:0
2184	**0**	**143**	**03:21:28.200**	**125DL4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,526,875:84:0**
2185	0	143	03:21:28.200	125DL11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,526,875:84:0
2186	0	143	03:21:32.200	165DO4A	**7SCAN**	**NORM,85.219,25.7**	**Check S/P Position**	2R0	4	0	5,526,875:90:0
2187	0	143	03:24:30.200	127DL	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,526,878:84:0
2188	**0**	**143**	**03:24:30.200**	**127DL4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,526,878:84:0**
2189	**0**	**143**	**03:24:30.866**	**127DL4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,526,878:85:0**
2190	0	143	03:24:38.866	127DL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,526,879:06:0
2191	**0**	**143**	**03:24:38.866**	**432DL6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,526,879:06:0**
2192	0	143	03:25:26.200	117DO	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,526,879:77:0
2193	0	143	03:25:34.200	165DO4B	7VECT		Inert vect update UTC	2R3	4	0	5,526,879:89:0
2194	0	143	03:25:35.533	117DO105A106A4A	**7STRP**	**0.00885,0.0,0,0,**	**Slew =,0.03**	2R3	4	0	5,526,880:00:0
2195	**0**	**143**	**03:29:40.866**	**432EL6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,526,884:04:0**
2196	0	143	03:30:35.533	117DO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,526,884:86:0
2197	**0**	**143**	**03:30:42.933**	**28JNEQBLGE01**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2198	0	143	03:35:08.200	488AL6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,526,889:40:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2199	0	143	03:49:04.866	488AL6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,526,903:21:0	
2200	0	143	05:32:00.200	488AL6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,527,005:02:0	
2201	**0**	**143**	**05:37:06.266**	**28NNEQBLGE02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2202	**0**	**143**	**05:37:12.866**	**20DM5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,527,010:16:0**	
2203	**0**	**143**	**05:37:16.200**	**20DM5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,527,010:21:0**	
2204	**0**	**143**	**05:37:26.200**	**20DM6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,527,010:36:0**	
2205	**0**	**143**	**05:37:36.200**	**20DM6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,527,010:51:0**	
2206	**0**	**143**	**05:37:46.200**	**20DM5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,010:66:0**	
2207	**0**	**143**	**05:37:49.533**	**20DM5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,010:71:0**	
2208	**0**	**143**	**05:37:55.533**	**20DM4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,010:80:0**	
2209	0	143	05:38:06.866	488AL6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	5,527,011:06:0	
2210	**0**	**143**	**05:39:07.600**	**28JNEQBLGE02**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2211	**0**	**143**	**05:39:07.600**	**28NNEQBLGE02-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2212	**0**	**143**	**05:39:59.533**	**125DM4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,012:84:0**	
2213	0	143	05:39:59.533	125DM	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,012:84:0	
2214	0	143	05:40:03.533	165DP4A	**7SCAN**	**NORM,88.544,25.8**	**Check S/P Position**	2R0	4	0	5,527,012:90:0	
2215	**0**	**143**	**05:41:00.200**	**125DM4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,527,013:84:0**	
2216	0	143	05:41:00.200	125DM11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,013:84:0	
2217	0	143	05:43:57.533	117DP	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,527,016:77:0	
2218	0	143	05:44:02.200	127DM	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,527,016:84:0	
2219	**0**	**143**	**05:44:02.200**	**127DM4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,016:84:0**	
2220	**0**	**143**	**05:44:02.866**	**127DM4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,016:85:0**	
2221	0	143	05:44:05.533	165DP4B	7VECT		Inert vect update UTC	2R3	4	0	5,527,016:89:0	
2222	0	143	05:44:06.866	117DP105A106A4A	**7STRP**	**0.00885,0.0,0,0,**	**Slew =,0.03**	2R3	4	0	5,527,017:00:0	
2223	0	143	05:44:10.866	127DM11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,017:06:0	
2224	**0**	**143**	**05:44:10.866**	**432DM6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,527,017:06:0**	
2225	0	143	05:49:06.866	117DP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,021:86:0	
2226	**0**	**143**	**05:49:12.866**	**432EM6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,527,022:04:0**	
2227	**0**	**143**	**05:49:14.266**	**28JNEQBLGE02**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2228	0	143	07:10:03.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4052.57 +/- 6	2R3	4	0	5,527,102:00:0	
2229	0	143	07:10:03.533	411JL6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,527,102:00:0	
2230	0	143	07:10:04.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4052.69 +/- 6	2R3	4	0	5,527,102:02:1	
2231	0	143	07:10:10.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4053.92 +/- 6	2R3	4	0	5,527,102:10:0	
2232	0	143	07:10:11.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4053.98 +/- 6	2R3	4	0	5,527,102:11:8	
2233	0	143	07:10:12.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4053.86 +/- 6	2R3	4	0	5,527,102:13:9	
2234	0	143	07:10:12.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4053.86 +/- 6	2R3	4	0	5,527,102:13:9	
2235	0	143	07:10:13.533	411JL6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,527,102:15:0	
2236	0	143	07:12:14.866	411JL6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,527,104:15:0	
2237	0	143	07:12:17.533	175TT176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,527,104:19:0	
2238	0	143	07:12:18.200	175TT422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,527,104:20:0	
2239	0	143	07:12:24.866	175TT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,104:30:0	
2240	0	143	07:12:24.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4022.91 +/- 6	2R3	4	0	5,527,104:30:0	
2241	0	143	07:12:26.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4022.85 +/- 6	2R3	4	0	5,527,104:31:8	
2242	**0**	**143**	**07:18:12.933**	**28NNEQBLGE03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2243	**0**	**143**	**07:18:19.533**	**20DN5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,527,110:16:0**	
2244	**0**	**143**	**07:18:22.866**	**20DN5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,527,110:21:0**	
2245	**0**	**143**	**07:18:32.866**	**20DN6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,527,110:36:0**	
2246	**0**	**143**	**07:18:42.866**	**20DN6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,527,110:51:0**	
2247	**0**	**143**	**07:18:52.866**	**20DN5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,110:66:0**	
2248	**0**	**143**	**07:18:56.200**	**20DN5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,110:71:0**	
2249	**0**	**143**	**07:19:02.200**	**20DN4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,110:80:0**	
2250	0	143	07:20:09.533	165DQ4A	**7SCAN**	**NORM,90.693999,2**	**Check S/P Position**	2R0	4	0	5,527,111:90:0	
2251	**0**	**143**	**07:20:14.266**	**28NNEQBLGE03-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2252	**0**	**143**	**07:20:14.266**	**28JNEQBLGE03**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2253	**0**	**143**	**07:21:06.200**	**125DN4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,112:84:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2254	0	143	07:21:06.200	125DN	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,112	84:0
2255	0	143	07:22:06.866	125DN11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,113	84:0
2256	**0**	**143**	**07:22:06.866**	**125DN4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,527,113**	**84:0**
2257	0	143	07:24:03.533	117DQ	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,527,115	77:0
2258	0	143	07:24:08.200	127DN	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,527,115	84:0
2259	**0**	**143**	**07:24:08.200**	**127DN4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,115**	**84:0**
2260	**0**	**143**	**07:24:08.866**	**127DN4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,115**	**85:0**
2261	0	143	07:24:11.533	165DQ4B	7VECT		Inert vect update UTC	2R3	4	0	5,527,115	89:0
2262	0	143	07:24:12.866	117DQ105A106A4A	**7STRP**	**0.00885,0.0,0,0,**	**Slew =,0.03**	2R3	4	0	5,527,116	00:0
2263	0	143	07:24:16.866	127DN11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,116	06:0
2264	**0**	**143**	**07:24:16.866**	**432DN6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,527,116**	**06:0**
2265	0	143	07:25:30.866	488AL6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,527,117	26:0
2266	0	143	07:29:12.866	117DQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,120	86:0
2267	**0**	**143**	**07:29:18.866**	**432EN6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,527,121**	**04:0**
2268	**0**	**143**	**07:29:20.266**	**28JNEQBLGE03**		**-----STOP-------**		**2R3**	**4**	**0**	**:**	**:**
2269	**0**	**143**	**09:38:45.600**	**28JNEQBLGE04**		**-----START------**		**2R3**	**4**	**0**	**:**	**:**
2270	**0**	**143**	**09:39:37.533**	**125DO4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**5,527,249**	**84:0**
2271	0	143	09:39:37.533	125DO	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	5,527,249	84:0
2272	0	143	09:39:41.533	165DR4A	**7SCAN**	**NORM,93.375,25.8**	**Check S/P Position**	2R3	4	0	5,527,249	90:0
2273	**0**	**143**	**09:40:38.200**	**125DO4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**5,527,250**	**84:0**
2274	0	143	09:40:38.200	125DO11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	5,527,250	84:0
2275	0	143	09:43:35.533	117DR	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,527,253	77:0
2276	**0**	**143**	**09:43:40.200**	**127DO4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,253**	**84:0**
2277	0	143	09:43:40.200	127DO	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,527,253	84:0
2278	**0**	**143**	**09:43:40.866**	**127DO4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,253**	**85:0**
2279	0	143	09:43:43.533	165DR4B	7VECT		Inert vect update UTC	2R3	4	0	5,527,253	89:0
2280	0	143	09:43:44.866	117DR105A106A4A	**7STRP**	**0.00885,0.0,0,0,**	**Slew =,0.03**	2R3	4	0	5,527,254	00:0
2281	0	143	09:43:48.866	127DO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,254	06:0
2282	**0**	**143**	**09:43:48.866**	**432DO6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,527,254**	**06:0**
2283	0	143	09:48:44.866	117DR11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,258	86:0
2284	**0**	**143**	**09:48:50.866**	**432EO6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,527,259**	**04:0**
2285	**0**	**143**	**09:48:52.266**	**28JNEQBLGE04**		**-----STOP-------**		**2R3**	**4**	**0**	**:**	**:**
2286	0	143	10:08:44.866	488AM6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,527,278	66:0
2287	**0**	**143**	**10:37:24.266**	**28NNEQBLGE05-**		**-----START------**		**2R3**	**4**	**0**	**:**	**:**
2288	**0**	**143**	**10:37:30.866**	**20DP5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,527,307**	**16:0**
2289	**0**	**143**	**10:37:34.200**	**20DP5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,527,307**	**21:0**
2290	**0**	**143**	**10:37:44.200**	**20DP6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,527,307**	**36:0**
2291	**0**	**143**	**10:37:54.200**	**20DP6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,527,307**	**51:0**
2292	**0**	**143**	**10:38:04.200**	**20DP5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,307**	**66:0**
2293	**0**	**143**	**10:38:07.533**	**20DP5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,307**	**71:0**
2294	**0**	**143**	**10:38:13.533**	**20DP4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,307**	**80:0**
2295	**0**	**143**	**10:39:25.600**	**28JNEQBLGE05**		**-----START------**		**2R0**	**4**	**0**	**:**	**:**
2296	**0**	**143**	**10:39:25.600**	**28NNEQBLGE05-**		**-----STOP-------**		**2R0**	**4**	**0**	**:**	**:**
2297	0	143	10:40:21.533	165DS4A	**7SCAN**	**NORM,94.447,25.7**	**Check S/P Position**	2R0	4	0	5,527,309	90:0
2298	**0**	**143**	**10:41:18.200**	**125DP4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,310**	**84:0**
2299	0	143	10:41:18.200	125DP	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,310	84:0
2300	0	143	10:42:18.866	125DP11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,311	84:0
2301	**0**	**143**	**10:42:18.866**	**125DP4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,527,311**	**84:0**
2302	0	143	10:44:15.533	117DS	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,527,313	77:0
2303	**0**	**143**	**10:44:20.200**	**127DP4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,313**	**84:0**
2304	0	143	10:44:20.200	127DP	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,527,313	84:0
2305	**0**	**143**	**10:44:20.866**	**127DP4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,313**	**85:0**
2306	0	143	10:44:23.533	165DS4B	7VECT		Inert vect update UTC	2R3	4	0	5,527,313	89:0
2307	0	143	10:44:24.866	117DS105A106A4A	**7STRP**	**0.00885,0.0,0,0,**	**Slew =,0.03**	2R3	4	0	5,527,314	00:0
2308	0	143	10:44:28.866	127DP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,314	06:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2309	**0**	**143**	**10:44:28.866**	**432DP6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,527,314:06:0**
2310	0	143	10:49:24.866	117DS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,318:86:0
2311	**0**	**143**	**10:49:30.866**	**432EP6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,527,319:04:0**
2312	**0**	**143**	**10:49:32.266**	**28JNEQBLGE05**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2313	**0**	**143**	**11:04:42.266**	**28JNAURORA01**		**-----START------**		**2R3**	**4**	**0**	**: :**
2314	**0**	**143**	**11:05:33.533**	**33A4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**5,527,334:83:0**
2315	0	143	11:05:38.200	165DT4A	**7SCAN**	**NORM,92.74,28.26**	**Check S/P Position**	2R3	4	0	5,527,334:90:0
2316	0	143	11:07:35.533	125DQ11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	5,527,336:84:0
2317	**0**	**143**	**11:07:35.533**	**125DQ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**5,527,336:84:0**
2318	0	143	11:07:35.533	125DQ	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	5,527,336:84:0
2319	0	143	11:08:36.200	127DQ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,527,337:84:0
2320	**0**	**143**	**11:08:36.200**	**127DQ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,337:84:0**
2321	**0**	**143**	**11:08:36.866**	**127DQ4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,337:85:0**
2322	0	143	11:08:44.866	127DQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,338:06:0
2323	0	143	11:09:26.866	175DQ422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,527,338:69:0
2324	0	143	11:09:26.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4022.85 +/- 6	2R3	4	0	5,527,338:69:0
2325	0	143	11:09:28.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4022.97 +/- 6	2R3	4	0	5,527,338:71:1
2326	0	143	11:09:32.200	117DT	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,527,338:77:0
2327	0	143	11:09:33.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4024.20 +/- 6	2R3	4	0	5,527,338:79:0
2328	0	143	11:09:34.733		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *4024.26 +/- 6	2R3	4	0	5,527,338:80:8
2329	0	143	11:09:38.200	175DQ176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,338:86:0
2330	0	143	11:09:38.733		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 4022.76 +/- 6	2R3	4	0	5,527,338:86:8
2331	0	143	11:09:38.733		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *4022.76 +/- 6	2R3	4	0	5,527,338:86:8
2332	**0**	**143**	**11:09:38.866**	**28JNAURORA01-**	**NIMPBK**	**301DQ**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**
2333	0	143	11:09:41.533	117DT105A106A4A	**7STRP**	**0.036016,0.0,0,0**	**Slew =,0.06**	2R3	4	0	5,527,339:00:0
2334	**0**	**143**	**11:12:12.200**	**28JNAURORA01-**	**DESELC**	**300DQ**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**
2335	0	143	11:12:14.866		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *3885.54 +/- 6	2R3	4	0	5,527,341:48:0
2336	0	143	11:12:14.866	175DQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,341:48:0
2337	0	143	11:12:16.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3885.24 +/- 6	2R3	4	0	5,527,341:49:8
2338	0	143	11:19:48.200	117DT11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,349:00:0
2339	**0**	**143**	**11:19:52.266**	**28JNAURORA01**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2340	0	143	11:28:54.200	411JM6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,527,358:00:0
2341	0	143	11:28:54.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3885.24 +/- 6	2R3	4	0	5,527,358:00:0
2342	0	143	11:28:55.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3885.36 +/- 6	2R3	4	0	5,527,358:02:1
2343	0	143	11:29:00.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3886.59 +/- 6	2R3	4	0	5,527,358:10:0
2344	0	143	11:29:02.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3886.65 +/- 6	2R3	4	0	5,527,358:11:8
2345	0	143	11:29:03.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3886.53 +/- 6	2R3	4	0	5,527,358:13:9
2346	0	143	11:29:03.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 3886.53 +/- 6	2R3	4	0	5,527,358:13:9
2347	0	143	11:29:04.200	411JM6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,527,358:15:0
2348	0	143	11:31:05.533	411JM6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,527,360:15:0
2349	0	143	11:31:08.200	175TU176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,527,360:19:0
2350	0	143	11:31:08.866	175TU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,527,360:20:0
2351	0	143	11:31:15.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3855.58 +/- 6	2R3	4	0	5,527,360:30:0
2352	0	143	11:31:15.533	175TU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,360:30:0
2353	0	143	11:31:16.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3855.52 +/- 6	2R3	4	0	5,527,360:31:8
2354	**0**	**143**	**12:03:20.933**	**28NNAURORA02-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2355	**0**	**143**	**12:04:02.866**	**20DS5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,527,392:69:0**
2356	**0**	**143**	**12:04:10.200**	**20DS5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,527,392:80:0**
2357	**0**	**143**	**12:04:18.200**	**20DS6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,527,393:01:0**
2358	**0**	**143**	**12:04:28.200**	**20DS6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,527,393:16:0**
2359	**0**	**143**	**12:04:38.200**	**20DS5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,393:31:0**
2360	**0**	**143**	**12:04:57.533**	**20DS5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,393:60:0**
2361	**0**	**143**	**12:05:10.866**	**20DS4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,393:80:0**
2362	**0**	**143**	**12:05:22.266**	**28JNAURORA02**		**-----START------**		**2R0**	**4**	**0**	**: :**
2363	**0**	**143**	**12:05:22.266**	**28NNAURORA02-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2364	0	143	12:06:14.200	125DS11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,394	84:0
2365	0	143	12:06:14.200	125DS	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,394	84:0
2366	**0**	**143**	**12:06:14.200**	**125DS4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,394**	**84:0**
2367	0	143	12:06:18.200	165DV4A	**7SCAN**	**NORM,93.971999,2**	**Check S/P Position**	2R0	4	0	5,527,394	90:0
2368	**0**	**143**	**12:07:14.866**	**127DS4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,395**	**84:0**
2369	0	143	12:07:14.866	127DS	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,527,395	84:0
2370	**0**	**143**	**12:07:15.533**	**127DS4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,395**	**85:0**
2371	0	143	12:07:23.533	127DS11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,396	06:0
2372	0	143	12:10:12.200	117DV	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,527,398	77:0
2373	0	143	12:10:21.533	117DV105A106A4A	**7STRP**	**0.036016,0.0,0,0**	**Slew =,0.06**	2R3	4	0	5,527,399	00:0
2374	0	143	12:11:07.533	175DS422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,527,399	69:0
2375	0	143	12:11:07.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3855.52 +/- 6	2R3	4	0	5,527,399	69:0
2376	0	143	12:11:08.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3855.64 +/- 6	2R3	4	0	5,527,399	71:1
2377	0	143	12:11:14.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3856.87 +/- 6	2R3	4	0	5,527,399	79:0
2378	0	143	12:11:15.400		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *3856.93 +/- 6	2R3	4	0	5,527,399	80:8
2379	0	143	12:11:18.866	175DS176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,399	86:0
2380	0	143	12:11:19.400		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *3855.43 +/- 6	2R3	4	0	5,527,399	86:8
2381	0	143	12:11:19.400		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 3855.43 +/- 6	2R3	4	0	5,527,399	86:8
2382	**0**	**143**	**12:11:19.533**	**28JNAURORA02-**	**NIMPBK**	**301DS**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**:**	**:**
2383	**0**	**143**	**12:11:19.533**	**28JNAURORA02-**	**NIMPBK**	**301DO**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**:**	**:**
2384	**0**	**143**	**12:13:59.533**	**28JNAURORA02-**	**DESELC**	**300DO**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**:**	**:**
2385	**0**	**143**	**12:13:59.533**	**28JNAURORA02-**	**DESELC**	**300DS**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**:**	**:**
2386	0	143	12:14:02.200		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *3712.34 +/- 6	2R3	4	0	5,527,402	58:0
2387	0	143	12:14:02.200	175DS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,402	58:0
2388	0	143	12:14:03.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3712.04 +/- 6	2R3	4	0	5,527,402	59:8
2389	0	143	12:20:28.200	117DV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,409	00:0
2390	**0**	**143**	**12:20:32.266**	**28JNAURORA02**		**-----STOP-------**		**2R3**	**4**	**0**	**:**	**:**
2391	**0**	**143**	**13:03:00.266**	**28NNAURORA03-**		**-----START------**		**2R3**	**4**	**0**	**:**	**:**
2392	**0**	**143**	**13:03:42.200**	**20DT5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,527,451**	**69:0**
2393	**0**	**143**	**13:03:49.533**	**20DT5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,527,451**	**80:0**
2394	**0**	**143**	**13:03:57.533**	**20DT6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,527,452**	**01:0**
2395	**0**	**143**	**13:04:07.533**	**20DT6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,527,452**	**16:0**
2396	**0**	**143**	**13:04:17.533**	**20DT5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,452**	**31:0**
2397	**0**	**143**	**13:04:37.533**	**20DT5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,452**	**61:0**
2398	**0**	**143**	**13:04:50.200**	**20DT4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,452**	**80:0**
2399	**0**	**143**	**13:05:01.600**	**28JNAURORA03**		**-----START------**		**2R0**	**4**	**0**	**:**	**:**
2400	**0**	**143**	**13:05:01.600**	**28NNAURORA03-**		**-----STOP-------**		**2R0**	**4**	**0**	**:**	**:**
2401	0	143	13:05:53.533	125DT11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,453	84:0
2402	0	143	13:05:53.533	125DT	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,453	84:0
2403	**0**	**143**	**13:05:53.533**	**125DT4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,453**	**84:0**
2404	0	143	13:05:57.533	165DW4A	**7SCAN**	**NORM,94.879,28.0**	**Check S/P Position**	2R0	4	0	5,527,453	90:0
2405	**0**	**143**	**13:06:54.200**	**127DT4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,454**	**84:0**
2406	0	143	13:06:54.200	127DT	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,527,454	84:0
2407	**0**	**143**	**13:06:54.866**	**127DT4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,454**	**85:0**
2408	0	143	13:07:02.866	127DT11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,455	06:0
2409	0	143	13:09:51.533	117DW	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,527,457	77:0
2410	0	143	13:10:00.866	117DW105A106A4A	**7STRP**	**0.036016,0.0,0,0**	**Slew =,0.06**	2R3	4	0	5,527,458	00:0
2411	0	143	13:10:46.866	175DT422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,527,458	69:0
2412	0	143	13:10:46.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3712.04 +/- 6	2R3	4	0	5,527,458	69:0
2413	0	143	13:10:48.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3712.16 +/- 6	2R3	4	0	5,527,458	71:1
2414	0	143	13:10:53.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3713.40 +/- 6	2R3	4	0	5,527,458	79:0
2415	0	143	13:10:54.733		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *3713.46 +/- 6	2R3	4	0	5,527,458	80:8
2416	0	143	13:10:58.200	175DT176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,458	86:0
2417	0	143	13:10:58.733		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *3711.96 +/- 6	2R3	4	0	5,527,458	86:8
2418	0	143	13:10:58.733		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 3711.96 +/- 6	2R3	4	0	5,527,458	86:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2419	**0**	**143**	**13:10:58.866**	**28JNAURORA03-**	**NIMPBK**	**301DT**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2420	**0**	**143**	**13:13:38.866**	**28JNAURORA03-**	**DESELC**	**300DT**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2421	0	143	13:13:41.533	175DT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,461:58:0	
2422	0	143	13:13:41.533		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *3568.87 +/- 6	2R3	4	0	5,527,461:58:0	
2423	0	143	13:13:42.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3568.57 +/- 6	2R3	4	0	5,527,461:59:8	
2424	0	143	13:20:07.533	117DW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,468:00:0	
2425	**0**	**143**	**13:20:11.600**	**28JNAURORA03**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2426	**0**	**143**	**14:23:53.600**	**28NNAURORA04-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2427	**0**	**143**	**14:24:35.533**	**20DV5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,527,531:69:0**	
2428	**0**	**143**	**14:24:42.866**	**20DV5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,527,531:80:0**	
2429	**0**	**143**	**14:24:50.866**	**20DV6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,527,532:01:0**	
2430	**0**	**143**	**14:25:00.866**	**20DV6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,527,532:16:0**	
2431	**0**	**143**	**14:25:10.866**	**20DV5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,532:31:0**	
2432	**0**	**143**	**14:25:30.866**	**20DV5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,532:61:0**	
2433	**0**	**143**	**14:25:43.533**	**20DV4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,532:80:0**	
2434	0	143	14:25:50.200	165DY4A	**7SCAN**	**NORM,96.315,27.9**	**Check S/P Position**	2R0	4	0	5,527,532:90:0	
2435	**0**	**143**	**14:25:54.933**	**28JNAURORA04**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2436	**0**	**143**	**14:25:54.933**	**28NNAURORA04-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2437	**0**	**143**	**14:26:46.866**	**125DV4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,533:84:0**	
2438	0	143	14:26:46.866	125DV11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,533:84:0	
2439	0	143	14:26:46.866	125DV	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,533:84:0	
2440	**0**	**143**	**14:27:47.533**	**127DV4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,534:84:0**	
2441	0	143	14:27:47.533	127DV	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,527,534:84:0	
2442	**0**	**143**	**14:27:48.200**	**127DV4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,534:85:0**	
2443	0	143	14:27:56.200	127DV11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,535:06:0	
2444	0	143	14:29:44.200	117DY	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,527,536:77:0	
2445	0	143	14:29:53.533	117DY105A106A4A	**7STRP**	**0.036016,0.0,0,0**	**Slew =,0.06**	2R3	4	0	5,527,537:00:0	
2446	0	143	14:30:39.533	175DV422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,527,537:69:0	
2447	0	143	14:30:39.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3568.57 +/- 6	2R3	4	0	5,527,537:69:0	
2448	0	143	14:30:40.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3568.69 +/- 6	2R3	4	0	5,527,537:71:1	
2449	0	143	14:30:46.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3569.93 +/- 6	2R3	4	0	5,527,537:79:0	
2450	0	143	14:30:47.400		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *3569.99 +/- 6	2R3	4	0	5,527,537:80:8	
2451	0	143	14:30:50.866	175DV176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,537:86:0	
2452	0	143	14:30:51.400		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *3568.49 +/- 6	2R3	4	0	5,527,537:86:8	
2453	0	143	14:30:51.400		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 3568.49 +/- 6	2R3	4	0	5,527,537:86:8	
2454	**0**	**143**	**14:30:51.533**	**28JNAURORA04-**	**NIMPBK**	**301DV**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2455	**0**	**143**	**14:30:51.533**	**28JNAURORA04-**	**NIMPBK**	**301DP**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2456	**0**	**143**	**14:32:01.400**	**28JNAURORA04-**	**NIMPBK**	**301EU**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2457	**0**	**143**	**14:32:12.333**	**28JNAURORA04-**	**DESELC**	**300EU**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2458	**0**	**143**	**14:33:31.533**	**28JNAURORA04-**	**DESELC**	**300DP**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2459	**0**	**143**	**14:33:31.533**	**28JNAURORA04-**	**DESELC**	**300DV**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2460	0	143	14:33:34.200		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *3425.40 +/- 6	2R3	4	0	5,527,540:58:0	
2461	0	143	14:33:34.200	175DV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,540:58:0	
2462	0	143	14:33:35.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3425.10 +/- 6	2R3	4	0	5,527,540:59:8	
2463	0	143	14:40:00.200	117DY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,547:00:0	
2464	**0**	**143**	**14:40:04.266**	**28JNAURORA04**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2465	**0**	**143**	**14:48:09.600**	**28NNGLOBAL01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2466	**0**	**143**	**14:48:51.533**	**20DW5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,527,555:69:0**	
2467	**0**	**143**	**14:48:58.866**	**20DW5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,527,555:80:0**	
2468	**0**	**143**	**14:49:06.866**	**20DW6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,527,556:01:0**	
2469	**0**	**143**	**14:49:16.866**	**20DW6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,527,556:16:0**	
2470	**0**	**143**	**14:49:26.866**	**20DW5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,556:31:0**	
2471	**0**	**143**	**14:49:46.866**	**20DW5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,556:61:0**	
2472	**0**	**143**	**14:49:59.533**	**20DW4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,556:80:0**	
2473	**0**	**143**	**14:50:10.933**	**28NNGLOBAL01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2474	**0**	**143**	**14:50:10.933**	**28JNGLOBAL01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2475	0	143	14:51:06.866	165DZ4A	**7SCAN**	**NORM,97.374,28.3**	**Check S/P Position**	2R0	4	0	5,527,557:90:0	
2476	**0**	**143**	**14:52:03.533**	**125DW4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,558:84:0**	
2477	0	143	14:52:03.533	125DW11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,558:84:0	
2478	0	143	14:52:03.533	125DW	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,558:84:0	
2479	0	143	14:55:00.866	117DZ	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,527,561:77:0	
2480	**0**	**143**	**14:55:05.533**	**127DW4A**	**37IOP**	**7,6**	**Fixed Map, Grating Start Position =06**	**2R7**	**4**	**6**	**5,527,561:84:0**	
2481	0	143	14:55:05.533	127DW	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	6	5,527,561:84:0	
2482	**0**	**143**	**14:55:06.200**	**127DW4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**2R7**	**4**	**6**	**5,527,561:85:0**	
2483	0	143	14:55:10.200	117DZ105A106A4A	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,562:00:0	
2484	0	143	14:55:14.200	127DW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	6	5,527,562:06:0	
2485	0	143	14:56:40.200	117DZ105A106A4B	**7STRP**	**-0.065594,0.0077**	**Slew =12.01**	2R7	4	6	5,527,563:44:0	
2486	0	143	14:56:50.200	117DZ105A106A4C	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,563:59:0	
2487	0	143	14:58:20.200	117DZ105A106A4D	**7STRP**	**-0.065594,0.0077**	**Slew =12.01**	2R7	4	6	5,527,565:12:0	
2488	0	143	14:58:30.200	117DZ105A106A4E	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,565:27:0	
2489	0	143	15:00:00.200	117DZ105A106A4F	**7STRP**	**-0.065594,0.0077**	**Slew =12.01**	2R7	4	6	5,527,566:71:0	
2490	0	143	15:00:10.200	117DZ105A106A4G	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,566:86:0	
2491	0	143	15:01:40.200	117DZ105A106A4H	**7STRP**	**-0.065594,0.0077**	**Slew =12.01**	2R7	4	6	5,527,568:39:0	
2492	0	143	15:01:50.200	117DZ105A106A4I	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,568:54:0	
2493	0	143	15:03:20.200	117DZ105A106A4J	**7STRP**	**-0.065594,0.0077**	**Slew =12.01**	2R7	4	6	5,527,570:07:0	
2494	0	143	15:03:30.200	117DZ105A106A4K	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,570:22:0	
2495	0	143	15:05:00.200	117DZ105A106A4L	**7STRP**	**-0.065594,0.0077**	**Slew =12.01**	2R7	4	6	5,527,571:66:0	
2496	0	143	15:05:10.200	117DZ105A106A4M	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,571:81:0	
2497	0	143	15:06:39.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3425.10 +/- 6	2R7	4	6	5,527,573:33:0	
2498	0	143	15:06:39.533	175DW422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R7	4	6	5,527,573:33:0	
2499	0	143	15:06:40.200	117DZ105A106A4N	**7STRP**	**-0.065594,0.0077**	**Slew =12.01**	2R7	4	6	5,527,573:34:0	
2500	0	143	15:06:40.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3425.22 +/- 6	2R7	4	6	5,527,573:35:1	
2501	0	143	15:06:46.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3426.46 +/- 6	2R7	4	6	5,527,573:43:0	
2502	0	143	15:06:47.400		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *3426.52 +/- 6	2R7	4	6	5,527,573:44:8	
2503	0	143	15:06:50.200	117DZ105A106A4O	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,573:49:0	
2504	0	143	15:06:50.866	175DW176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R7	4	6	5,527,573:50:0	
2505	0	143	15:06:51.400		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *3425.02 +/- 6	2R7	4	6	5,527,573:50:8	
2506	0	143	15:06:51.400		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 3425.02 +/- 6	2R7	4	6	5,527,573:50:8	
2507	**0**	**143**	**15:06:51.533**	**28JNGLOBAL01-**	**NIMPBK**	**301DR**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**6**	**: :**	
2508	0	143	15:08:20.200	117DZ105A106A4P	**7STRP**	**-0.065594,0.0077**	**Slew =12.01**	2R7	4	6	5,527,575:02:0	
2509	0	143	15:08:30.200	117DZ105A106A4Q	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,575:17:0	
2510	0	143	15:10:00.200	117DZ105A106A4R	**7STRP**	**-0.065594,0.0077**	**Slew =12.01**	2R7	4	6	5,527,576:61:0	
2511	0	143	15:10:10.200	117DZ105A106A4S	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,576:76:0	
2512	**0**	**143**	**15:11:36.000**	**28JNGLOBAL01-**	**NIMPBK**	**301EV**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**6**	**: :**	
2513	0	143	15:11:40.200	117DZ105A106A4T	**7STRP**	**-0.065594,0.0077**	**Slew =12.01**	2R7	4	6	5,527,578:29:0	
2514	0	143	15:11:50.200	117DZ105A106A4U	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,578:44:0	
2515	**0**	**143**	**15:11:51.533**	**28JNGLOBAL01-**	**DESELC**	**300DR**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**6**	**: :**	
2516	**0**	**143**	**15:11:51.533**	**28JNGLOBAL01-**	**DESELC**	**300EV**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**6**	**: :**	
2517	0	143	15:11:54.200		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *3158.88 +/- 6	2R7	4	6	5,527,578:50:0	
2518	0	143	15:11:54.200	175DW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	6	5,527,578:50:0	
2519	0	143	15:11:55.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3158.58 +/- 6	2R7	4	6	5,527,578:51:8	
2520	0	143	15:13:20.200	117DZ105A106A4V	**7STRP**	**-0.065594,0.0077**	**Slew =12.01**	2R7	4	6	5,527,579:88:0	
2521	0	143	15:13:30.200	117DZ105A106A4W	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,580:12:0	
2522	**0**	**143**	**15:14:26.933**	**28JNGLOBAL01-**		**-----STOP-------**		**2R7**	**4**	**6**	**: :**	
2523	**0**	**143**	**15:14:26.933**	**28NNAURORA05-**		**-----START------**		**2R7**	**4**	**6**	**: :**	
2524	0	143	15:15:00.200	117DZ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	6	5,527,581:56:0	
2525	**0**	**143**	**15:15:08.866**	**20DX5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**6**	**5,527,581:69:0**	
2526	**0**	**143**	**15:15:16.200**	**20DX5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**6**	**5,527,581:80:0**	
2527	**0**	**143**	**15:15:24.200**	**20DX6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**6**	**5,527,582:01:0**	
2528	**0**	**143**	**15:15:34.200**	**20DX6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**6**	**5,527,582:16:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2529	**0**	**143**	**15:15:44.200**	**20DX5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,582:31:0**	
2530	**0**	**143**	**15:16:04.200**	**20DX5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,582:61:0**	
2531	**0**	**143**	**15:16:16.866**	**20DX4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,582:80:0**	
2532	0	143	15:16:23.533	165KA4A	**7SCAN**	**NORM,97.099999,2**	**Check S/P Position**	2R0	4	0	5,527,582:90:0	
2533	**0**	**143**	**15:16:28.266**	**28NNAURORA05-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2534	**0**	**143**	**15:16:28.266**	**28JNAURORA05**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2535	0	143	15:17:20.200	125DX11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,583:84:0	
2536	0	143	15:17:20.200	125DX	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,583:84:0	
2537	**0**	**143**	**15:17:20.200**	**125DX4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,583:84:0**	
2538	0	143	15:18:20.866	127DX	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,527,584:84:0	
2539	**0**	**143**	**15:18:20.866**	**127DX4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,584:84:0**	
2540	**0**	**143**	**15:18:21.533**	**127DX4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,584:85:0**	
2541	0	143	15:18:29.533	127DX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,585:06:0	
2542	0	143	15:20:17.533	117KA	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,527,586:77:0	
2543	0	143	15:20:26.866	117KA105A106A4A	**7STRP**	**0.036016,0.0,0,0**	**Slew =,0.06**	2R3	4	0	5,527,587:00:0	
2544	0	143	15:21:12.866	175DX422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,527,587:69:0	
2545	0	143	15:21:12.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3158.58 +/- 6	2R3	4	0	5,527,587:69:0	
2546	0	143	15:21:14.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3158.70 +/- 6	2R3	4	0	5,527,587:71:1	
2547	0	143	15:21:19.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3159.94 +/- 6	2R3	4	0	5,527,587:79:0	
2548	0	143	15:21:20.733		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *3160.00 +/- 6	2R3	4	0	5,527,587:80:8	
2549	0	143	15:21:24.200	175DX176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,587:86:0	
2550	0	143	15:21:24.733		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *3158.50 +/- 6	2R3	4	0	5,527,587:86:8	
2551	0	143	15:21:24.733		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 3158.50 +/- 6	2R3	4	0	5,527,587:86:8	
2552	**0**	**143**	**15:21:24.866**	**28JNAURORA05-**	**NIMPBK**	**301DX**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2553	**0**	**143**	**15:21:24.866**	**28JNAURORA05-**	**NIMPBK**	**301DU**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2554	**0**	**143**	**15:21:34.866**	**28JNAURORA05-**	**DESELC**	**300DU**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2555	**0**	**143**	**15:24:04.866**	**28JNAURORA05-**	**DESELC**	**300DX**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2556	0	143	15:24:07.533	175DX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,590:58:0	
2557	0	143	15:24:07.533		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *3015.41 +/- 6	2R3	4	0	5,527,590:58:0	
2558	0	143	15:24:08.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3015.11 +/- 6	2R3	4	0	5,527,590:59:8	
2559	0	143	15:30:33.533	117KA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,597:00:0	
2560	**0**	**143**	**15:30:37.600**	**28JNAURORA05**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2561	**0**	**143**	**16:05:00.266**	**28NNAURORA06-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2562	**0**	**143**	**16:05:42.200**	**20DY5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,527,631:69:0**	
2563	**0**	**143**	**16:05:49.533**	**20DY5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,527,631:80:0**	
2564	0	143	16:05:56.200	165KB4A	**7SCAN**	**NORM,97.844,27.7**	**Check S/P Position**		4	0	5,527,631:90:0	
2565	**0**	**143**	**16:05:57.533**	**20DY6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,527,632:01:0**	
2566	**0**	**143**	**16:06:07.533**	**20DY6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,527,632:16:0**	
2567	**0**	**143**	**16:06:17.533**	**20DY5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,632:31:0**	
2568	**0**	**143**	**16:06:24.200**	**20DY5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,632:41:0**	
2569	**0**	**143**	**16:06:50.200**	**20DY4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,632:80:0**	
2570	**0**	**143**	**16:07:01.600**	**28NNAURORA06-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2571	**0**	**143**	**16:07:01.600**	**28JNAURORA06**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2572	**0**	**143**	**16:07:53.533**	**125DY4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,633:84:0**	
2573	0	143	16:07:53.533	125DY	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,633:84:0	
2574	0	143	16:07:53.533	125DY11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,633:84:0	
2575	0	143	16:09:50.200	117KB	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,527,635:77:0	
2576	**0**	**143**	**16:09:54.866**	**127DY4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,635:84:0**	
2577	0	143	16:09:54.866	127DY	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,527,635:84:0	
2578	**0**	**143**	**16:09:55.533**	**127DY4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,635:85:0**	
2579	0	143	16:09:59.533	117KB105A106A4A	**7STRP**	**0.036016,0.0,0,0**	**Slew =,0.06**	2R3	4	0	5,527,636:00:0	
2580	0	143	16:10:03.533	127DY11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,636:06:0	
2581	0	143	16:10:45.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3015.11 +/- 6	2R3	4	0	5,527,636:69:0	
2582	0	143	16:10:45.533	175DY422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,527,636:69:0	
2583	0	143	16:10:46.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3015.23 +/- 6	2R3	4	0	5,527,636:71:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2584	0	143	16:10:52.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3016.47 +/- 6	2R3	4	0	5,527,636:79:0	
2585	0	143	16:10:53.400		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *3016.53 +/- 6	2R3	4	0	5,527,636:80:8	
2586	0	143	16:10:56.866	175DY176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,636:86:0	
2587	0	143	16:10:57.400		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 3015.03 +/- 6	2R3	4	0	5,527,636:86:8	
2588	0	143	16:10:57.400		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *3015.03 +/- 6	2R3	4	0	5,527,636:86:8	
2589	**0**	**143**	**16:10:57.533**	**28JNAURORA06-**	**NIMPBK**	**301DY**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2590	**0**	**143**	**16:13:34.866**	**28JNAURORA06-**	**DESELC**	**300DY**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2591	0	143	16:13:37.533		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *2874.28 +/- 6	2R3	4	0	5,527,639:54:0	
2592	0	143	16:13:37.533	175DY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,639:54:0	
2593	0	143	16:13:38.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2873.98 +/- 6	2R3	4	0	5,527,639:55:8	
2594	0	143	16:20:06.200	117KB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,646:00:0	
2595	**0**	**143**	**16:20:10.266**	**28JNAURORA06**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2596	0	143	16:33:14.200	165IM4A	7SCAN	NORM,98.28,24.75	Check S/P Position	2R3	4	0	5,527,658:90:0	
2597	0	143	16:35:11.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2873.98 +/- 6	2R3	4	0	5,527,660:84:0	
2598	0	143	16:35:11.533	175IM422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	5,527,660:84:0	
2599	0	143	16:35:12.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2874.10 +/- 6	2R3	4	0	5,527,660:86:1	
2600	0	143	16:35:13.533	118IM	**SMOS**	GS		2R3	4	0	5,527,660:87:0	
2601	0	143	16:35:14.866	165IM4B	7VECT		Inert vect update UTC	2R3	4	0	5,527,660:89:0	
2602	0	143	16:35:18.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2875.34 +/- 6	2R3	4	0	5,527,661:03:0	
2603	0	143	16:35:19.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *2875.40 +/- 6	2R3	4	0	5,527,661:04:8	
2604	0	143	16:35:22.866	175IM176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	5,527,661:10:0	
2605	0	143	16:35:23.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *2869.10 +/- 6	2R3	4	0	5,527,661:10:8	
2606	0	143	16:35:23.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 2869.10 +/- 7	2R3	4	0	5,527,661:10:8	
2607	**0**	**143**	**16:35:23.533**	**28JNFEATRK01+**	**NIMPBK**	**301FM**	**JUPITER FTRAK SSI RIDEALONG**	**2R3**	**4**	**0**	**: :**	
2608	0	143	16:35:23.533	118IM110A111A4A	7STRP	0.001,0.00731,18	Slew =,2.01	2R3	4	0	5,527,661:11:0	
2609	0	143	16:36:24.200	118IM110A111A4B	7STRP	-0.00831,-0.0073	Slew =,2.01	2R3	4	0	5,527,662:11:0	
2610	0	143	16:37:24.866	118IM110A111A4C	7STRP	0.001,0.00731,18	Slew =,2.01	2R3	4	0	5,527,663:11:0	
2611	**0**	**143**	**16:37:41.533**	**28JNFEATRK01+**	**NIMPBK**	**301EE**	**JUPITER FTRAK SSI RIDEALONG**	**2R3**	**4**	**0**	**: :**	
2612	**0**	**143**	**16:37:59.533**	**28JNFEATRK01+**	**DESELC**	**300EE**	**JUPITER FTRAK SSI RIDEALONG**	**2R3**	**4**	**0**	**: :**	
2613	**0**	**143**	**16:38:22.266**	**28NNGLOBAL02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2614	0	143	16:38:25.533	118IM11A	**SMOS**	GE		2R3	4	0	5,527,664:11:0	
2615	**0**	**143**	**16:39:02.866**	**28JNFEATRK01+**	**DESELC**	**300FM**	**JUPITER FTRAK SSI RIDEALONG**		**4**	**0**	**: :**	
2616	**0**	**143**	**16:39:04.200**	**20DZ5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,527,664:69:0**	
2617	**0**	**143**	**16:39:11.533**	**20DZ5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,527,664:80:0**	
2618	**0**	**143**	**16:39:19.533**	**20DZ6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,527,665:01:0**	
2619	0	143	16:39:20.200		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *2036.60 +/- 7		4	0	5,527,665:02:0	
2620	0	143	16:39:20.200	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop		4	0	5,527,665:02:0	
2621	0	143	16:39:21.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2035.60 +/- 7		4	0	5,527,665:03:8	
2622	**0**	**143**	**16:39:29.533**	**20DZ6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,527,665:16:0**	
2623	**0**	**143**	**16:39:39.533**	**20DZ5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,665:31:0**	
2624	**0**	**143**	**16:39:59.533**	**20DZ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,665:61:0**	
2625	**0**	**143**	**16:40:12.200**	**20DZ4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,665:80:0**	
2626	**0**	**143**	**16:40:23.600**	**28NNGLOBAL02-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2627	0	143	16:41:19.533	165KC4A	**7SCAN**	**NORM,99.03,28.13**	**Check S/P Position**	2R0	4	0	5,527,666:90:0	
2628	**0**	**143**	**16:41:24.266**	**28JNGLOBAL02-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2629	0	143	16:42:16.200	125DZ	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,667:84:0	
2630	**0**	**143**	**16:42:16.200**	**125DZ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,667:84:0**	
2631	0	143	16:42:16.200	125DZ11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,667:84:0	
2632	0	143	16:45:13.533	117KC	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,527,670:77:0	
2633	0	143	16:45:18.200	127DZ	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,527,670:84:0	
2634	**0**	**143**	**16:45:18.200**	**127DZ4A**	**37IOP**	**7,6**	**Fixed Map, Grating Start Position =06**	**2R7**	**4**	**6**	**5,527,670:84:0**	
2635	**0**	**143**	**16:45:18.866**	**127DZ4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**2R7**	**4**	**6**	**5,527,670:85:0**	
2636	0	143	16:45:22.866	117KC105A106A4A	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,671:00:0	
2637	0	143	16:45:26.866	127DZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	6	5,527,671:06:0	
2638	0	143	16:46:52.866	117KC105A106A4B	**7STRP**	**-0.065594,0.0075**	**Slew =12.01**	2R7	4	6	5,527,672:44:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2639	0	143	16:47:02.866	117KC105A106A4C	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,672:59:0
2640	0	143	16:48:32.866	117KC105A106A4D	**7STRP**	**-0.065594,0.0075**	**Slew =12.01**	2R7	4	6	5,527,674:12:0
2641	0	143	16:48:42.866	117KC105A106A4E	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,674:27:0
2642	0	143	16:50:12.866	117KC105A106A4F	**7STRP**	**-0.065594,0.0075**	**Slew =12.01**	2R7	4	6	5,527,675:71:0
2643	0	143	16:50:22.866	117KC105A106A4G	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,675:86:0
2644	0	143	16:51:52.866	117KC105A106A4H	**7STRP**	**-0.065594,0.0075**	**Slew =12.01**	2R7	4	6	5,527,677:39:0
2645	0	143	16:52:02.866	117KC105A106A4I	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,677:54:0
2646	0	143	16:53:32.866	117KC105A106A4J	**7STRP**	**-0.065594,0.0075**	**Slew =12.01**	2R7	4	6	5,527,679:07:0
2647	0	143	16:53:42.866	117KC105A106A4K	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,679:22:0
2648	0	143	16:55:12.866	117KC105A106A4L	**7STRP**	**-0.065594,0.0075**	**Slew =12.01**	2R7	4	6	5,527,680:66:0
2649	0	143	16:55:22.866	117KC105A106A4M	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,680:81:0
2650	0	143	16:56:52.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2035.60 +/- 7	2R7	4	6	5,527,682:33:0
2651	0	143	16:56:52.200	175DZ422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R7	4	6	5,527,682:33:0
2652	0	143	16:56:52.866	117KC105A106A4N	**7STRP**	**-0.065594,0.0075**	**Slew =12.01**	2R7	4	6	5,527,682:34:0
2653	0	143	16:56:53.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2035.72 +/- 7	2R7	4	6	5,527,682:35:1
2654	0	143	16:56:58.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2036.95 +/- 7	2R7	4	6	5,527,682:43:0
2655	0	143	16:57:00.066		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *2037.01 +/- 7	2R7	4	6	5,527,682:44:8
2656	0	143	16:57:02.866	117KC105A106A4O	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,682:49:0
2657	0	143	16:57:03.533	175DZ176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R7	4	6	5,527,682:50:0
2658	0	143	16:57:04.066		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 2035.51 +/- 7	2R7	4	6	5,527,682:50:8
2659	0	143	16:57:04.066		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *2035.51 +/- 7	2R7	4	6	5,527,682:50:8
2660	**0**	**143**	**16:57:04.200**	**28JNGLOBAL02-**	**NIMPBK**	**301DZ**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**6**	**: :**
2661	0	143	16:58:32.866	117KC105A106A4P	**7STRP**	**-0.065594,0.0075**	**Slew =12.01**	2R7	4	6	5,527,684:02:0
2662	0	143	16:58:42.866	117KC105A106A4Q	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,684:17:0
2663	0	143	17:00:12.866	117KC105A106A4R	**7STRP**	**-0.065594,0.0075**	**Slew =12.01**	2R7	4	6	5,527,685:61:0
2664	0	143	17:00:22.866	117KC105A106A4S	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,685:76:0
2665	0	143	17:01:52.866	117KC105A106A4T	**7STRP**	**-0.065594,0.0075**	**Slew =12.01**	2R7	4	6	5,527,687:29:0
2666	0	143	17:02:02.866	117KC105A106A4U	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,687:44:0
2667	**0**	**143**	**17:02:44.200**	**28JNGLOBAL02-**	**DESELC**	**300DZ**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**6**	**: :**
2668	0	143	17:02:46.866	175DZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	6	5,527,688:19:0
2669	0	143	17:02:46.866		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *1734.22 +/- 7	2R7	4	6	5,527,688:19:0
2670	0	143	17:02:48.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1733.92 +/- 7	2R7	4	6	5,527,688:20:8
2671	0	143	17:03:32.866	117KC105A106A4V	**7STRP**	**-0.065594,0.0075**	**Slew =12.01**	2R7	4	6	5,527,688:88:0
2672	**0**	**143**	**17:03:38.933**	**28JNGLOBAL02-**		**-----STOP-------**		**2R7**	**4**	**6**	**: :**
2673	**0**	**143**	**17:03:38.933**	**28NNAURORA07-**		**-----START------**		**2R7**	**4**	**6**	**: :**
2674	0	143	17:03:42.866	117KC105A106A4W	**7STRP**	**0.065092,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,689:12:0
2675	**0**	**143**	**17:04:20.866**	**20EA5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**6**	**5,527,689:69:0**
2676	**0**	**143**	**17:04:28.200**	**20EA5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**6**	**5,527,689:80:0**
2677	**0**	**143**	**17:04:36.200**	**20EA6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**6**	**5,527,690:01:0**
2678	**0**	**143**	**17:04:46.200**	**20EA6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**6**	**5,527,690:16:0**
2679	**0**	**143**	**17:04:56.200**	**20EA5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,690:31:0**
2680	**0**	**143**	**17:05:02.866**	**20EA5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,690:41:0**
2681	0	143	17:05:12.866	117KC11A	**CSMOS**	GE	***** GROUP END CSMOS	260	4	0	5,527,690:56:0
2682	**0**	**143**	**17:05:28.866**	**20EA4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,690:80:0**
2683	0	143	17:05:35.533	165KD4A	**7SCAN**	**NORM,98.704,27.7**	**Check S/P Position**	2R0	4	0	5,527,690:90:0
2684	**0**	**143**	**17:05:40.266**	**28NNAURORA07-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
2685	**0**	**143**	**17:05:40.266**	**28JNAURORA07**		**-----START------**		**2R0**	**4**	**0**	**: :**
2686	**0**	**143**	**17:06:32.200**	**125EA4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,691:84:0**
2687	0	143	17:06:32.200	125EA	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,691:84:0
2688	0	143	17:06:32.200	125EA11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,691:84:0
2689	**0**	**143**	**17:08:33.533**	**127EA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,693:84:0**
2690	0	143	17:08:33.533	127EA	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,527,693:84:0
2691	**0**	**143**	**17:08:34.200**	**127EA4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,693:85:0**
2692	0	143	17:08:42.200	127EA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,694:06:0
2693	0	143	17:09:24.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1733.92 +/- 7	2R3	4	0	5,527,694:69:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2694	0	143	17:09:24.200	175EA422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,527,694:69:0
2695	0	143	17:09:25.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1734.04 +/- 7	2R3	4	0	5,527,694:71:1
2696	0	143	17:09:29.533	117KD	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,527,694:77:0
2697	0	143	17:09:30.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1735.28 +/- 7	2R3	4	0	5,527,694:79:0
2698	0	143	17:09:32.066		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *1735.34 +/- 7	2R3	4	0	5,527,694:80:8
2699	0	143	17:09:35.533	175EA176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,694:86:0
2700	0	143	17:09:36.066		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *1733.84 +/- 7	2R3	4	0	5,527,694:86:8
2701	0	143	17:09:36.066		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 1733.84 +/- 7	2R3	4	0	5,527,694:86:8
2702	**0**	**143**	**17:09:36.200**	**28JNAURORA07-**	**NIMPBK**	**301EA**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**
2703	0	143	17:09:38.866	117KD105A106A4A	**7STRP**	**0.036016,0.0,0,0**	**Slew =,0.06**	2R3	4	0	5,527,695:00:0
2704	**0**	**143**	**17:11:03.333**	**28JNAURORA07-**	**NIMPBK**	**301EW**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**
2705	**0**	**143**	**17:11:13.400**	**28JNAURORA07-**	**DESELC**	**300EW**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**
2706	**0**	**143**	**17:12:13.533**	**28JNAURORA07-**	**DESELC**	**300EA**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**
2707	0	143	17:12:16.200	175EA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,697:54:0
2708	0	143	17:12:16.200		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *1593.10 +/- 7	2R3	4	0	5,527,697:54:0
2709	0	143	17:12:17.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1592.80 +/- 7	2R3	4	0	5,527,697:55:8
2710	0	143	17:19:45.533	117KD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,705:00:0
2711	**0**	**143**	**17:19:49.600**	**28JNAURORA07**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2712	0	143	17:26:49.533	165IN4A	7SCAN	NORM,97.679999,2	Check S/P Position	2R3	4	0	5,527,711:90:0
2713	0	143	17:28:46.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1592.80 +/- 7	2R3	4	0	5,527,713:84:0
2714	0	143	17:28:46.866	175IN422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	5,527,713:84:0
2715	0	143	17:28:48.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1592.92 +/- 7	2R3	4	0	5,527,713:86:1
2716	0	143	17:28:48.866	118IN	**SMOS**	GS		2R3	4	0	5,527,713:87:0
2717	0	143	17:28:50.200	165IN4B	7VECT		Inert vect update UTC	2R3	4	0	5,527,713:89:0
2718	0	143	17:28:53.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1594.15 +/- 7	2R3	4	0	5,527,714:03:0
2719	0	143	17:28:54.733		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *1594.21 +/- 7	2R3	4	0	5,527,714:04:8
2720	0	143	17:28:58.200	175IN176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	5,527,714:10:0
2721	0	143	17:28:58.733		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 1587.91 +/- 7	2R3	4	0	5,527,714:10:8
2722	0	143	17:28:58.733		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *1587.91 +/- 7	2R3	4	0	5,527,714:10:8
2723	0	143	17:28:58.866	118IN110A111A4A	7STRP	0.0,0.00731,182,	Slew =,3.71	2R3	4	0	5,527,714:11:0
2724	**0**	**143**	**17:28:58.866**	**28JNFEATRK02+**	**NIMPBK**	**301FN**	**JUPITER FTRAK SSI RIDEALONG**	**2R3**	**4**	**0**	**: :**
2725	0	143	17:29:59.533	118IN110A111A4B	7STRP	-0.00731,-0.0073	Slew =,4.01	2R3	4	0	5,527,715:11:0
2726	**0**	**143**	**17:30:50.866**	**28JNFEATRK02+**	**NIMPBK**	**301EF**	**JUPITER FTRAK SSI RIDEALONG**	**2R3**	**4**	**0**	**: :**
2727	0	143	17:31:00.200	118IN110A111A4C	7STRP	0.0,0.00731,182,	Slew =,3.71	2R3	4	0	5,527,716:11:0
2728	**0**	**143**	**17:31:06.866**	**28JNFEATRK02+**	**DESELC**	**300EF**	**JUPITER FTRAK SSI RIDEALONG**	**2R3**	**4**	**0**	**: :**
2729	0	143	17:32:00.866	118IN110A111A4D	7STRP	-0.00731,-0.0073	Slew =,4.01	2R3	4	0	5,527,717:11:0
2730	0	143	17:33:01.533	118IN110A111A4E	7STRP	0.0,0.00731,182,	Slew =,3.71	2R3	4	0	5,527,718:11:0
2731	0	143	17:34:02.200	118IN11A	**SMOS**	GE		2R3	4	0	5,527,719:11:0
2732	**0**	**143**	**17:34:54.866**	**28JNFEATRK02+**	**DESELC**	**300FN**	**JUPITER FTRAK SSI RIDEALONG**	**2R3**	**4**	**0**	**: :**
2733	0	143	17:34:56.200	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,720:01:0
2734	0	143	17:34:56.200		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC * 331.19 +/- 7	2R3	4	0	5,527,720:01:0
2735	0	143	17:34:57.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 330.19 +/- 7	2R3	4	0	5,527,720:02:8
2736	0	143	17:39:24.866		DMS:	: READY	RDY, TRACK *3, *FWD, TIC 330.19 +/- 7	2R3	4	0	5,527,724:40:0
2737	0	143	17:39:24.866	465KC6A	6DMSC	RDY,3	DMS Control Tape stop	2R3	4	0	5,527,724:40:0
2738	**0**	**143**	**18:04:18.933**	**28NNAURORA08-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2739	**0**	**143**	**18:05:00.866**	**20EB5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,527,749:69:0**
2740	**0**	**143**	**18:05:08.200**	**20EB5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,527,749:80:0**
2741	**0**	**143**	**18:05:16.200**	**20EB6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,527,750:01:0**
2742	**0**	**143**	**18:05:26.200**	**20EB6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,527,750:16:0**
2743	**0**	**143**	**18:05:36.200**	**20EB5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,750:31:0**
2744	**0**	**143**	**18:05:42.866**	**20EB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,750:41:0**
2745	**0**	**143**	**18:06:08.866**	**20EB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,750:80:0**
2746	0	143	18:06:15.533	165KE4A	**7SCAN**	**NORM,99.542999,2**	**Check S/P Position**	2R0	4	0	5,527,750:90:0
2747	**0**	**143**	**18:06:20.266**	**28JNAURORA08**		**-----START------**		**2R0**	**4**	**0**	**: :**
2748	**0**	**143**	**18:06:20.266**	**28NNAURORA08-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2749	**0**	**143**	**18:07:12.200**	**125EB4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,751:84:0**	
2750	0	143	18:07:12.200	125EB	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,751:84:0	
2751	0	143	18:07:12.200	125EB11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,751:84:0	
2752	**0**	**143**	**18:09:13.533**	**127EB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,753:84:0**	
2753	0	143	18:09:13.533	127EB	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,527,753:84:0	
2754	**0**	**143**	**18:09:14.200**	**127EB4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,753:85:0**	
2755	0	143	18:09:22.200	127EB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,754:06:0	
2756	0	143	18:10:09.533	117KE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,527,754:77:0	
2757	0	143	18:10:18.866	117KE105A106A4A	**7STRP**	**0.036016,0.0,0,0**	**Slew =,0.06**	2R3	4	0	5,527,755:00:0	
2758	0	143	18:11:06.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 330.19 +/- 7	2R3	4	0	5,527,755:71:0	
2759	0	143	18:11:06.200	175EB422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	5,527,755:71:0	
2760	0	143	18:11:12.866		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 330.19 +/- 7	2R3	4	0	5,527,755:81:0	
2761	0	143	18:11:16.200	175EB176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,755:86:0	
2762	0	143	18:11:16.866		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 331.69 +/- 7	2R3	4	0	5,527,755:87:0	
2763	0	143	18:11:16.866		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC * 331.69 +/- 7	2R3	4	0	5,527,755:87:0	
2764	**0**	**143**	**18:11:16.866**	**28JNAURORA08-**	**NIMPBK**	**301EZ**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2765	**0**	**143**	**18:12:35.533**	**28JNAURORA08-**	**NIMPBK**	**301EH**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2766	**0**	**143**	**18:12:51.533**	**28JNAURORA08-**	**DESELC**	**300EH**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2767	**0**	**143**	**18:13:52.200**	**28JNAURORA08-**	**DESELC**	**300EZ**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2768	0	143	18:13:52.866	175EB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,758:48:0	
2769	0	143	18:13:52.866		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC * 468.80 +/- 7	2R3	4	0	5,527,758:48:0	
2770	0	143	18:13:54.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 469.10 +/- 7	2R3	4	0	5,527,758:49:8	
2771	0	143	18:20:25.533	117KE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,765:00:0	
2772	**0**	**143**	**18:20:29.600**	**28NNGLOBAL03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2773	**0**	**143**	**18:20:29.600**	**28JNAURORA08**		**-----STOP--------**		**2R3**	**4**	**0**	**: :**	
2774	0	143	18:20:45.533	165IO4A	7SCAN	NORM,96.999,24.8	Check S/P Position	2R3	4	0	5,527,765:30:0	
2775	**0**	**143**	**18:21:11.533**	**20EC5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,527,765:69:0**	
2776	**0**	**143**	**18:21:18.866**	**20EC5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,527,765:80:0**	
2777	**0**	**143**	**18:21:26.866**	**20EC6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,527,766:01:0**	
2778	**0**	**143**	**18:21:36.866**	**20EC6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,527,766:16:0**	
2779	**0**	**143**	**18:21:46.866**	**20EC5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,766:31:0**	
2780	**0**	**143**	**18:22:06.866**	**20EC5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,766:61:0**	
2781	**0**	**143**	**18:22:19.533**	**20EC4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,766:80:0**	
2782	0	143	18:22:23.533	175IO422A6A	6DMSC	R115,3	DMS Control	2R0	4	0	5,527,766:86:0	
2783	0	143	18:22:23.533		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 469.10 +/- 7	2R0	4	0	5,527,766:86:0	
2784	0	143	18:22:24.200	118IO	**SMOS**	GS		2R0	4	0	5,527,766:87:0	
2785	0	143	18:22:25.533	165IO4B	7VECT		Inert vect update UTC	2R0	4	0	5,527,766:89:0	
2786	0	143	18:22:30.200		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 469.10 +/- 7	2R0	4	0	5,527,767:05:0	
2787	**0**	**143**	**18:22:30.933**	**28NNGLOBAL03-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2788	**0**	**143**	**18:22:30.933**	**28JNGLOBAL03-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2789	0	143	18:22:33.533	175IO176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R0	4	0	5,527,767:10:0	
2790	0	143	18:22:34.200		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 475.40 +/- 7	2R0	4	0	5,527,767:11:0	
2791	**0**	**143**	**18:22:34.200**	**28JNFEATRK03+**	**NIMPBK**	**301FO**	**JUPITER FTRAK SSI RIDEALONG**	**2R0**	**4**	**0**	**: :**	
2792	0	143	18:22:34.200	118IO110A111A4A	7STRP	-0.0036,0.00731,	Slew =,3.71	2R0	4	0	5,527,767:11:0	
2793	0	143	18:22:34.200		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 475.40 +/- 7	2R0	4	0	5,527,767:11:0	
2794	0	143	18:23:34.866	118IO110A111A4B	7STRP	-0.00371,-0.0073	Slew =,4.01	2R0	4	0	5,527,768:11:0	
2795	**0**	**143**	**18:24:00.200**	**28JNFEATRK03+**	**NIMPBK**	**301EI**	**JUPITER FTRAK SSI RIDEALONG**	**2R0**	**4**	**0**	**: :**	
2796	0	143	18:24:23.533	125EC11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,768:84:0	
2797	0	143	18:24:23.533	125EC	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,768:84:0	
2798	**0**	**143**	**18:24:23.533**	**125EC4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,768:84:0**	
2799	0	143	18:24:35.533	118IO110A111A4C	7STRP	-0.0036,0.00731,	Slew =,3.71	2R0	4	0	5,527,769:11:0	
2800	0	143	18:25:24.200	127EC	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,527,769:84:0	
2801	**0**	**143**	**18:25:24.200**	**127EC4A**	**37IOP**	**7,6**	**Fixed Map, Grating Start Position =06**	**2R7**	**4**	**6**	**5,527,769:84:0**	
2802	**0**	**143**	**18:25:24.866**	**127EC4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**2R7**	**4**	**6**	**5,527,769:85:0**	
2803	0	143	18:25:32.866	127EC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	6	5,527,770:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2804	0	143	18:25:36.200	118IO110A111A4D	7STRP	-0.00371,-0.0073	Slew =,4.01	2R7	4	6	5,527,770:11:0	
2805	**0**	**143**	**18:25:36.200**	**28JNFEATRK03+**	**DESELC**	**300EI**	**JUPITER FTRAK SSI RIDEALONG**	**2R7**	**4**	**6**	**: :**	
2806	0	143	18:26:36.866	118IO110A111A4E	7STRP	-0.0036,0.00731,	Slew =,3.71	2R7	4	6	5,527,771:11:0	
2807	0	143	18:27:37.533	118IO11A	**SMOS**	GE		2R7	4	6	5,527,772:11:0	
2808	**0**	**143**	**18:28:30.200**	**28JNFEATRK03+**	**DESELC**	**300FO**	**JUPITER FTRAK SSI RIDEALONG**	**2R7**	**4**	**6**	**: :**	
2809	0	143	18:28:31.533	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	6	5,527,773:01:0	
2810	0	143	18:28:31.533		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1731.65 +/- 7	2R7	4	6	5,527,773:01:0	
2811	0	143	18:28:32.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1732.65 +/- 7	2R7	4	6	5,527,773:02:8	
2812	0	143	18:28:44.200	165KF4A	**7SCAN**	**NORM,100.704,27.**	**Check S/P Position**	2R7	4	6	5,527,773:20:0	
2813	0	143	18:29:22.200	117KF	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	6	5,527,773:77:0	
2814	0	143	18:29:31.533	117KF105A106A4A	**7STRP**	**0.072125,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,774:00:0	
2815	0	143	18:31:10.866	117KF105A106A4B	**7STRP**	**-0.072627,0.0075**	**Slew =12.01**	2R7	4	6	5,527,775:58:0	
2816	0	143	18:31:20.866	117KF105A106A4C	**7STRP**	**0.072125,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,775:73:0	
2817	0	143	18:33:00.200	117KF105A106A4D	**7STRP**	**-0.072627,0.0075**	**Slew =12.01**	2R7	4	6	5,527,777:40:0	
2818	0	143	18:33:10.200	117KF105A106A4E	**7STRP**	**0.072125,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,777:55:0	
2819	0	143	18:34:49.533	117KF105A106A4F	**7STRP**	**-0.072627,0.0075**	**Slew =12.01**	2R7	4	6	5,527,779:22:0	
2820	0	143	18:34:59.533	117KF105A106A4G	**7STRP**	**0.072125,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,779:37:0	
2821	0	143	18:36:38.866	117KF105A106A4H	**7STRP**	**-0.072627,0.0075**	**Slew =12.01**	2R7	4	6	5,527,781:04:0	
2822	0	143	18:36:48.866	117KF105A106A4I	**7STRP**	**0.072125,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,781:19:0	
2823	0	143	18:38:28.200	117KF105A106A4J	**7STRP**	**-0.072627,0.0075**	**Slew =12.01**	2R7	4	6	5,527,782:77:0	
2824	0	143	18:38:38.200	117KF105A106A4K	**7STRP**	**0.072125,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,783:01:0	
2825	0	143	18:40:17.533	117KF105A106A4L	**7STRP**	**-0.072627,0.0075**	**Slew =12.01**	2R7	4	6	5,527,784:59:0	
2826	0	143	18:40:27.533	117KF105A106A4M	**7STRP**	**0.072125,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,784:74:0	
2827	0	143	18:42:04.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1732.65 +/- 7	2R7	4	6	5,527,786:38:0	
2828	0	143	18:42:04.866	175EC422A6A	6DMSC	R28,3	DMS Control	2R7	4	6	5,527,786:38:0	
2829	0	143	18:42:06.866	117KF105A106A4N	**7STRP**	**-0.072627,0.0075**	**Slew =12.01**	2R7	4	6	5,527,786:41:0	
2830	0	143	18:42:11.533		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 1732.65 +/- 7	2R7	4	6	5,527,786:48:0	
2831	0	143	18:42:14.866	175EC176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R7	4	6	5,527,786:53:0	
2832	0	143	18:42:15.533		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *1734.15 +/- 7	2R7	4	6	5,527,786:54:0	
2833	0	143	18:42:15.533		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 1734.15 +/- 7	2R7	4	6	5,527,786:54:0	
2834	**0**	**143**	**18:42:15.533**	**28JNGLOBAL03-**	**NIMPBK**	**301EC**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**6**	**: :**	
2835	0	143	18:42:16.866	117KF105A106A4O	**7STRP**	**0.072125,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,786:56:0	
2836	0	143	18:43:56.200	117KF105A106A4P	**7STRP**	**-0.072627,0.0075**	**Slew =12.01**	2R7	4	6	5,527,788:23:0	
2837	0	143	18:44:06.200	117KF105A106A4Q	**7STRP**	**0.072125,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,788:38:0	
2838	0	143	18:45:45.533	117KF105A106A4R	**7STRP**	**-0.072627,0.0075**	**Slew =12.01**	2R7	4	6	5,527,790:05:0	
2839	0	143	18:45:55.533	117KF105A106A4S	**7STRP**	**0.072125,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,790:20:0	
2840	**0**	**143**	**18:47:32.866**	**28JNGLOBAL03-**	**DESELC**	**300EC**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**6**	**: :**	
2841	0	143	18:47:33.533	175EC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	6	5,527,791:76:0	
2842	0	143	18:47:33.533		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *2013.64 +/- 7	2R7	4	6	5,527,791:76:0	
2843	0	143	18:47:34.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2013.94 +/- 7	2R7	4	6	5,527,791:77:8	
2844	0	143	18:47:34.866	117KF105A106A4T	**7STRP**	**-0.072627,0.0075**	**Slew =12.01**	2R7	4	6	5,527,791:78:0	
2845	0	143	18:47:44.866	117KF105A106A4U	**7STRP**	**0.072125,0.0,0,0**	**Slew =,0.76**	2R7	4	6	5,527,792:02:0	
2846	0	143	18:49:24.200	117KF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	6	5,527,793:60:0	
2847	**0**	**143**	**18:49:48.933**	**28JNGLOBAL03-**		**-----STOP-------**		**2R7**	**4**	**6**	**: :**	
2848	0	143	18:51:46.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2013.94 +/- 7	2R7	4	6	5,527,796:00:0	
2849	0	143	18:51:46.200	411JN6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	6	5,527,796:00:0	
2850	0	143	18:51:52.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2013.94 +/- 7	2R7	4	6	5,527,796:10:0	
2851	0	143	18:51:54.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2014.06 +/- 7	2R7	4	6	5,527,796:12:1	
2852	0	143	18:51:54.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2014.06 +/- 7	2R7	4	6	5,527,796:12:1	
2853	0	143	18:51:56.200	411JN6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R7	4	6	5,527,796:15:0	
2854	0	143	18:53:57.533	411JN6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	6	5,527,798:15:0	
2855	0	143	18:53:58.200	411JN6D	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	6	5,527,798:16:0	
2856	0	143	18:53:58.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2043.11 +/- 7	2R7	4	6	5,527,798:16:0	
2857	0	143	18:53:59.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2043.17 +/- 7	2R7	4	6	5,527,798:17:8	
2858	**0**	**143**	**19:25:12.266**	**28NNAURORA09-**		**-----START------**		**2R7**	**4**	**6**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2859	**0**	**143**	**19:25:54.200**	**20ED5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**6**	**5,527,829:69:0**	
2860	**0**	**143**	**19:26:01.533**	**20ED5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**6**	**5,527,829:80:0**	
2861	0	143	19:26:08.200	165KG4A	**7SCAN**	**NORM,100.594,27.**	**Check S/P Position**		4	6	5,527,829:90:0	
2862	**0**	**143**	**19:26:09.533**	**20ED6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**6**	**5,527,830:01:0**	
2863	**0**	**143**	**19:26:19.533**	**20ED6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**6**	**5,527,830:16:0**	
2864	**0**	**143**	**19:26:29.533**	**20ED5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,830:31:0**	
2865	**0**	**143**	**19:26:36.200**	**20ED5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,830:41:0**	
2866	**0**	**143**	**19:27:02.200**	**20ED4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,830:80:0**	
2867	**0**	**143**	**19:27:13.600**	**28NNAURORA09-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2868	**0**	**143**	**19:27:13.600**	**28JNAURORA09**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2869	**0**	**143**	**19:28:05.533**	**125ED4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,831:84:0**	
2870	0	143	19:28:05.533	125ED11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,831:84:0	
2871	0	143	19:28:05.533	125ED	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,831:84:0	
2872	0	143	19:30:02.200	117KG	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,527,833:77:0	
2873	0	143	19:30:06.866	127ED	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,527,833:84:0	
2874	**0**	**143**	**19:30:06.866**	**127ED4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,833:84:0**	
2875	**0**	**143**	**19:30:07.533**	**127ED4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,833:85:0**	
2876	0	143	19:30:11.533	117KG105A106A4A	**7STRP**	**0.036016,0.0,0,0**	**Slew =,0.06**	2R3	4	0	5,527,834:00:0	
2877	0	143	19:30:15.533	127ED11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,834:06:0	
2878	0	143	19:30:58.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2043.17 +/- 7	2R3	4	0	5,527,834:71:0	
2879	0	143	19:30:58.866	175ED422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	5,527,834:71:0	
2880	0	143	19:31:05.533		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 2043.17 +/- 7	2R3	4	0	5,527,834:81:0	
2881	0	143	19:31:08.866	175ED176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,834:86:0	
2882	0	143	19:31:09.533		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *2044.67 +/- 7	2R3	4	0	5,527,834:87:0	
2883	**0**	**143**	**19:31:09.533**	**28JNAURORA09-**	**NIMPBK**	**301EY**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2884	0	143	19:31:09.533		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 2044.67 +/- 7	2R3	4	0	5,527,834:87:0	
2885	**0**	**143**	**19:33:44.866**	**28JNAURORA09-**	**DESELC**	**300EY**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2886	0	143	19:33:45.533		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *2181.78 +/- 7	2R3	4	0	5,527,837:48:0	
2887	0	143	19:33:45.533	175ED422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,837:48:0	
2888	0	143	19:33:46.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2182.08 +/- 7	2R3	4	0	5,527,837:49:8	
2889	0	143	19:40:18.200	117KG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,844:00:0	
2890	**0**	**143**	**19:40:22.266**	**28JNAURORA09**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2891	**0**	**143**	**20:24:51.600**	**28NNAURORA10-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2892	**0**	**143**	**20:25:33.533**	**20EG5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,527,888:69:0**	
2893	**0**	**143**	**20:25:40.866**	**20EG5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,527,888:80:0**	
2894	0	143	20:25:47.533	165KI4A	**7SCAN**	**NORM,101.342999,**	**Check S/P Position**		4	0	5,527,888:90:0	
2895	**0**	**143**	**20:25:48.866**	**20EG6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,527,889:01:0**	
2896	**0**	**143**	**20:25:58.866**	**20EG6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,527,889:16:0**	
2897	**0**	**143**	**20:26:08.866**	**20EG5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,527,889:31:0**	
2898	**0**	**143**	**20:26:15.533**	**20EG5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,527,889:41:0**	
2899	**0**	**143**	**20:26:41.533**	**20EG4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,527,889:80:0**	
2900	**0**	**143**	**20:26:52.933**	**28JNAURORA10**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2901	**0**	**143**	**20:26:52.933**	**28NNAURORA10-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2902	0	143	20:27:44.866	125EG11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,890:84:0	
2903	0	143	20:27:44.866	125EG	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,890:84:0	
2904	**0**	**143**	**20:27:44.866**	**125EG4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,527,890:84:0**	
2905	0	143	20:29:41.533	117KI	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,527,892:77:0	
2906	**0**	**143**	**20:29:46.200**	**127EG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,527,892:84:0**	
2907	0	143	20:29:46.200	127EG	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,527,892:84:0	
2908	**0**	**143**	**20:29:46.866**	**127EG4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,527,892:85:0**	
2909	0	143	20:29:50.866	117KI105A106A4A	7STRP	0.036016,0.0,0,0	Slew =,0.06	2R3	4	0	5,527,893:00:0	
2910	0	143	20:29:54.866	127EG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,893:06:0	
2911	0	143	20:30:38.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2182.08 +/- 7	2R3	4	0	5,527,893:71:0	
2912	0	143	20:30:38.200	175EG422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	5,527,893:71:0	
2913	0	143	20:30:44.866		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 2182.08 +/- 7	2R3	4	0	5,527,893:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2914	0	143	20:30:48.200	175EG176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,893:86:0	
2915	**0**	**143**	**20:30:48.866**	**28JNAURORA10-**	**NIMPBK**	**301EG**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2916	0	143	20:30:48.866		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *2183.58 +/- 7	2R3	4	0	5,527,893:87:0	
2917	0	143	20:30:48.866		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 2183.58 +/- 7	2R3	4	0	5,527,893:87:0	
2918	**0**	**143**	**20:30:58.000**	**28JNAURORA10-**	**NIMPBK**	**301EX**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2919	**0**	**143**	**20:31:07.666**	**28JNAURORA10-**	**DESELC**	**300EX**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2920	**0**	**143**	**20:33:24.200**	**28JNAURORA10-**	**DESELC**	**300EG**	**JUPITER AURORA OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2921	0	143	20:33:24.866		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *2320.69 +/- 7	2R3	4	0	5,527,896:48:0	
2922	0	143	20:33:24.866	175EG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,896:48:0	
2923	0	143	20:33:26.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2320.99 +/- 7	2R3	4	0	5,527,896:49:8	
2924	0	143	20:39:57.533	117KI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,527,903:00:0	
2925	**0**	**143**	**20:40:01.600**	**28JNAURORA10**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2926	0	143	23:50:02.133	165IP4A	7SCAN	NORM,114.216999,	Check S/P Position	2R3	4	0	5,528,090:90:0	
2927	0	143	23:51:56.133	118IP	**SMOS**	GS		2R3	4	0	5,528,092:79:0	
2928	0	143	23:52:02.800	165IP4B	7VECT		Inert vect update UTC	2R3	4	0	5,528,092:89:0	
2929	0	143	23:52:04.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2320.99 +/- 7	2R3	4	0	5,528,093:00:0	
2930	0	143	23:52:04.133	175IP422A6A	6DMSC	R403,3	DMS Control	2R3	4	0	5,528,093:00:0	
2931	0	143	23:52:06.133	118IP110A111A4A	7STRP	-0.0035,0.0,26,0	Slew =,1.76	2R3	4	0	5,528,093:03:0	
2932	0	143	23:52:10.800		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 2320.99 +/- 7	2R3	4	0	5,528,093:10:0	
2933	0	143	23:52:14.133	175IP176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,528,093:15:0	
2934	0	143	23:52:14.666		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 2343.99 +/- 7	2R3	4	0	5,528,093:15:8	
2935	0	143	23:52:14.666		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *2343.99 +/- 7	2R3	4	0	5,528,093:15:8	
2936	0	143	23:52:14.800	118IP110A111A4B	7STRP	0.0035,0.0,0,0,0	Slew =,1.76	2R3	4	0	5,528,093:16:0	
2937	0	143	23:52:16.800	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,528,093:19:0	
2938	0	143	23:52:16.800		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *2370.24 +/- 7	2R3	4	0	5,528,093:19:0	
2939	0	143	23:52:19.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2374.24 +/- 7	2R3	4	0	5,528,093:23:1	
2940	0	143	23:52:23.466	118IP110A111A4C	7STRP	-0.0035,0.0,26,0	Slew =,1.76	2R3	4	0	5,528,093:29:0	
2941	0	143	23:52:32.133	118IP110A111A4D	7STRP	0.0035,0.0,0,0,0	Slew =,1.76	2R3	4	0	5,528,093:42:0	
2942	0	143	23:52:38.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2374.24 +/- 7	2R3	4	0	5,528,093:52:0	
2943	0	143	23:52:38.800	175JP422A6A	6DMSC	R403,3	DMS Control	2R3	4	0	5,528,093:52:0	
2944	0	143	23:52:40.800	118IP110A111A4E	7STRP	-0.0035,0.0,26,0	Slew =,1.76	2R3	4	0	5,528,093:55:0	
2945	0	143	23:52:45.466		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 2374.24 +/- 7	2R3	4	0	5,528,093:62:0	
2946	0	143	23:52:48.800	175JP176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,528,093:67:0	
2947	0	143	23:52:49.333		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *2397.24 +/- 7	2R3	4	0	5,528,093:67:8	
2948	0	143	23:52:49.333		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 2397.24 +/- 8	2R3	4	0	5,528,093:67:8	
2949	0	143	23:52:49.466	118IP11A	**SMOS**	GE		2R3	4	0	5,528,093:68:0	
2950	0	143	23:52:51.466	175JP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,528,093:71:0	
2951	0	143	23:52:51.466		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *2423.49 +/- 8	2R3	4	0	5,528,093:71:0	
2952	0	143	23:52:54.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2427.49 +/- 8	2R3	4	0	5,528,093:75:1	
2953	**0**	**144**	**01:57:30.933**	**28NNEQBLGE06-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2954	**0**	**144**	**01:57:37.466**	**20EH5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,528,217:16:0**	
2955	**0**	**144**	**01:57:40.800**	**20EH5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,528,217:21:0**	
2956	**0**	**144**	**01:57:50.800**	**20EH6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,528,217:36:0**	
2957	**0**	**144**	**01:58:00.800**	**20EH6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,528,217:51:0**	
2958	**0**	**144**	**01:58:10.800**	**20EH5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,528,217:66:0**	
2959	**0**	**144**	**01:58:14.133**	**20EH5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,528,217:71:0**	
2960	**0**	**144**	**01:58:20.133**	**20EH4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,528,217:80:0**	
2961	0	144	01:58:27.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2427.49 +/- 8	2R0	4	0	5,528,218:00:0	
2962	0	144	01:58:27.466	411JO6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	5,528,218:00:0	
2963	0	144	01:58:34.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2427.49 +/- 8	2R0	4	0	5,528,218:10:0	
2964	0	144	01:58:35.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2427.61 +/- 8	2R0	4	0	5,528,218:12:1	
2965	0	144	01:58:35.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2427.61 +/- 8	2R0	4	0	5,528,218:12:1	
2966	0	144	01:58:37.466	411JO6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R0	4	0	5,528,218:15:0	
2967	0	144	01:59:27.466	165KJ4A	**7SCAN**	**NORM,106.03,24.9**	**Check S/P Position**	2R0	4	0	5,528,218:90:0	
2968	**0**	**144**	**01:59:32.266**	**28JNEQBLGE06**		**-----START------**		**2R0**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2969	**0**	**144**	**01:59:32.266**	**28NNEQBLGE06-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2970	0	144	02:00:24.133	125EH	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,528,219:84:0	
2971	**0**	**144**	**02:00:24.133**	**125EH4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,528,219:84:0**	
2972	0	144	02:00:38.800	411JO6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R0	4	0	5,528,220:15:0	
2973	0	144	02:00:39.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2456.66 +/- 8	2R0	4	0	5,528,220:16:0	
2974	0	144	02:00:39.466	411JO6D	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	5,528,220:16:0	
2975	0	144	02:00:40.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2456.72 +/- 8	2R0	4	0	5,528,220:17:8	
2976	0	144	02:01:24.800	125EH11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,528,220:84:0	
2977	**0**	**144**	**02:01:24.800**	**125EH4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,528,220:84:0**	
2978	0	144	02:03:21.466	117KJ	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,528,222:77:0	
2979	0	144	02:03:26.133	127EH	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,528,222:84:0	
2980	**0**	**144**	**02:03:26.133**	**127EH4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,528,222:84:0**	
2981	**0**	**144**	**02:03:26.800**	**127EH4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,528,222:85:0**	
2982	0	144	02:03:29.466	165KJ4B	7VECT		Inert vect update UTC	2R3	4	0	5,528,222:89:0	
2983	0	144	02:03:30.800	117KJ105A106A4A	**7STRP**	**0.00885,0.0,0,0,**	**Slew =,0.03**	2R3	4	0	5,528,223:00:0	
2984	0	144	02:03:34.800	127EH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,528,223:06:0	
2985	**0**	**144**	**02:03:34.800**	**432FA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,528,223:06:0**	
2986	0	144	02:08:30.800	117KJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,528,227:86:0	
2987	**0**	**144**	**02:08:36.800**	**432FH6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,528,228:04:0**	
2988	**0**	**144**	**02:08:38.266**	**28JNEQBLGE06**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2989	0	144	03:00:00.133	481UD4A	7VECT	BB1	Inert vect update UTC	2R3	4	0	5,528,278:79:0	
2990	**0**	**144**	**03:57:50.266**	**28NNEQBLGE07-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2991	**0**	**144**	**03:57:56.800**	**20EI5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,528,336:16:0**	
2992	**0**	**144**	**03:58:00.133**	**20EI5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,528,336:21:0**	
2993	**0**	**144**	**03:58:10.133**	**20EI6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,528,336:36:0**	
2994	**0**	**144**	**03:58:20.133**	**20EI6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,528,336:51:0**	
2995	**0**	**144**	**03:58:30.133**	**20EI5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,528,336:66:0**	
2996	**0**	**144**	**03:58:33.466**	**20EI5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,528,336:71:0**	
2997	**0**	**144**	**03:58:39.466**	**20EI4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,528,336:80:0**	
2998	0	144	03:59:46.800	165KK4A	**7SCAN**	**NORM,107.110999,**	**Check S/P Position**	2R0	4	0	5,528,337:90:0	
2999	**0**	**144**	**03:59:51.600**	**28NNEQBLGE07-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
3000	**0**	**144**	**03:59:51.600**	**28JNEQBLGE07**		**-----START------**		**2R0**	**4**	**0**	**: :**	
3001	0	144	04:00:43.466	125EI	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,528,338:84:0	
3002	**0**	**144**	**04:00:43.466**	**125EI4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,528,338:84:0**	
3003	0	144	04:01:44.133	125EI11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,528,339:84:0	
3004	**0**	**144**	**04:01:44.133**	**125EI4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,528,339:84:0**	
3005	0	144	04:03:40.800	117KK	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,528,341:77:0	
3006	**0**	**144**	**04:03:45.466**	**127EI4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,528,341:84:0**	
3007	0	144	04:03:45.466	127EI	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,528,341:84:0	
3008	**0**	**144**	**04:03:46.133**	**127EI4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,528,341:85:0**	
3009	0	144	04:03:48.800	165KK4B	7VECT		Inert vect update UTC	2R3	4	0	5,528,341:89:0	
3010	0	144	04:03:50.133	117KK105A106A4A	**7STRP**	**0.00885,0.0,0,0,**	**Slew =,0.03**	2R3	4	0	5,528,342:00:0	
3011	0	144	04:03:54.133	127EI11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,528,342:06:0	
3012	**0**	**144**	**04:03:54.133**	**432FB6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,528,342:06:0**	
3013	0	144	04:08:50.133	117KK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,528,346:86:0	
3014	**0**	**144**	**04:08:56.133**	**432FI6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,528,347:04:0**	
3015	**0**	**144**	**04:08:57.600**	**28JNEQBLGE07**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3016	0	144	05:17:02.133	488AN6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,528,414:36:0	
3017	0	144	05:38:04.800	488AN6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,528,435:19:0	
3018	**0**	**144**	**05:58:09.600**	**28NNEQBLGE08-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3019	**0**	**144**	**05:58:16.133**	**20EJ5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,528,455:16:0**	
3020	**0**	**144**	**05:58:19.466**	**20EJ5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,528,455:21:0**	
3021	**0**	**144**	**05:58:29.466**	**20EJ6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,528,455:36:0**	
3022	**0**	**144**	**05:58:39.466**	**20EJ6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,528,455:51:0**	
3023	**0**	**144**	**05:58:49.466**	**20EJ5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,528,455:66:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3024	**0**	**144**	**05:58:52.800**	**20EJ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,528,455:71:0**
3025	**0**	**144**	**05:58:58.800**	**20EJ4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,528,455:80:0**
3026	0	144	06:00:06.133	165KL4A	**7SCAN**	**NORM,108.113999,**	**Check S/P Position**	2R0	4	0	5,528,456:90:0
3027	**0**	**144**	**06:00:10.933**	**28JNEQBLGE08**		**-----START------**		**2R0**	**4**	**0**	**: :**
3028	**0**	**144**	**06:00:10.933**	**28NNEQBLGE08-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
3029	0	144	06:01:02.800	125EJ	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,528,457:84:0
3030	**0**	**144**	**06:01:02.800**	**125EJ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,528,457:84:0**
3031	0	144	06:02:03.466	125EJ11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,528,458:84:0
3032	**0**	**144**	**06:02:03.466**	**125EJ4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,528,458:84:0**
3033	0	144	06:04:00.133	117KL	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,528,460:77:0
3034	0	144	06:04:04.800	127EJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,528,460:84:0
3035	**0**	**144**	**06:04:04.800**	**127EJ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,528,460:84:0**
3036	**0**	**144**	**06:04:05.466**	**127EJ4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,528,460:85:0**
3037	0	144	06:04:08.133	165KL4B	7VECT		Inert vect update UTC	2R3	4	0	5,528,460:89:0
3038	0	144	06:04:09.466	117KL105A106A4A	**7STRP**	**0.00885,0.0,0,0,**	**Slew =,0.03**	2R3	4	0	5,528,461:00:0
3039	**0**	**144**	**06:04:13.466**	**432FC6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,528,461:06:0**
3040	0	144	06:04:13.466	127EJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,528,461:06:0
3041	0	144	06:06:10.800	411JP6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,528,463:00:0
3042	0	144	06:06:10.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2456.72 +/- 8	2R3	4	0	5,528,463:00:0
3043	0	144	06:06:17.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2456.72 +/- 8	2R3	4	0	5,528,463:10:0
3044	0	144	06:06:18.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2456.84 +/- 8	2R3	4	0	5,528,463:12:1
3045	0	144	06:06:18.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2456.84 +/- 8	2R3	4	0	5,528,463:12:1
3046	0	144	06:06:20.800	411JP6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,528,463:15:0
3047	0	144	06:08:22.133	411JP6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,528,465:15:0
3048	0	144	06:08:22.800	411JP6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,528,465:16:0
3049	0	144	06:08:22.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2485.88 +/- 8	2R3	4	0	5,528,465:16:0
3050	0	144	06:08:24.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2485.94 +/- 8	2R3	4	0	5,528,465:17:8
3051	0	144	06:09:09.466	117KL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,528,465:86:0
3052	**0**	**144**	**06:09:15.466**	**432FJ6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,528,466:04:0**
3053	**0**	**144**	**06:09:16.933**	**28JNEQBLGE08**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
3054	0	144	07:00:00.133	480SI6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,528,516:21:0
3055	0	144	07:06:40.133	480SI6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,528,522:75:0
3056	0	144	07:25:28.800	488AN6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,528,541:39:0
3057	**0**	**144**	**07:57:28.266**	**28NNEQBLGE09-**		**-----START------**		**2R3**	**4**	**0**	**: :**
3058	**0**	**144**	**07:57:34.800**	**20EK5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,528,573:16:0**
3059	**0**	**144**	**07:57:38.133**	**20EK5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,528,573:21:0**
3060	**0**	**144**	**07:57:48.133**	**20EK6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,528,573:36:0**
3061	**0**	**144**	**07:57:58.133**	**20EK6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,528,573:51:0**
3062	**0**	**144**	**07:58:08.133**	**20EK5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,528,573:66:0**
3063	**0**	**144**	**07:58:11.466**	**20EK5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,528,573:71:0**
3064	**0**	**144**	**07:58:17.466**	**20EK4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,528,573:80:0**
3065	0	144	07:59:24.800	165KM4A	**7SCAN**	**NORM,109.08,24.6**	**Check S/P Position**	2R0	4	0	5,528,574:90:0
3066	**0**	**144**	**07:59:29.600**	**28NNEQBLGE09-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
3067	**0**	**144**	**07:59:29.600**	**28JNEQBLGE09**		**-----START------**		**2R0**	**4**	**0**	**: :**
3068	**0**	**144**	**08:00:21.466**	**125EK4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,528,575:84:0**
3069	0	144	08:00:21.466	125EK	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,528,575:84:0
3070	0	144	08:01:22.133	125EK11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,528,576:84:0
3071	**0**	**144**	**08:01:22.133**	**125EK4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,528,576:84:0**
3072	0	144	08:03:18.800	117KM	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,528,578:77:0
3073	0	144	08:03:23.466	127EK	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,528,578:84:0
3074	**0**	**144**	**08:03:23.466**	**127EK4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,528,578:84:0**
3075	**0**	**144**	**08:03:24.133**	**127EK4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,528,578:85:0**
3076	0	144	08:03:26.800	165KM4B	7VECT		Inert vect update UTC	2R3	4	0	5,528,578:89:0
3077	0	144	08:03:28.133	117KM105A106A4A	**7STRP**	**0.00885,0.0,0,0,**	**Slew =,0.03**	2R3	4	0	5,528,579:00:0
3078	**0**	**144**	**08:03:32.133**	**432FE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,528,579:06:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3079	0	144	08:03:32.133	127EK11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,528,579:06:0	
3080	0	144	08:08:28.133	117KM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,528,583:86:0	
3081	**0**	**144**	**08:08:34.133**	**432FK6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,528,584:04:0**	
3082	**0**	**144**	**08:08:35.600**	**28JNEQBLGE09**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3083	0	144	08:39:52.133	411KX6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,528,615:00:0	
3084	0	144	08:39:52.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2485.94 +/- 8	2R3	4	0	5,528,615:00:0	
3085	0	144	08:39:58.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2485.94 +/- 8	2R3	4	0	5,528,615:10:0	
3086	0	144	08:40:00.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2486.06 +/- 8	2R3	4	0	5,528,615:12:1	
3087	0	144	08:40:00.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2486.06 +/- 8	2R3	4	0	5,528,615:12:1	
3088	0	144	08:40:02.133	411KX6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,528,615:15:0	
3089	0	144	08:42:03.466	411KX6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,528,617:15:0	
3090	0	144	08:42:04.133	411KX6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,528,617:16:0	
3091	0	144	08:42:04.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2515.11 +/- 8	2R3	4	0	5,528,617:16:0	
3092	0	144	08:42:05.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2515.17 +/- 8	2R3	4	0	5,528,617:17:8	
3093	**0**	**144**	**09:57:47.600**	**28NNEQBLGE10-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3094	**0**	**144**	**09:57:54.133**	**20EL5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,528,692:16:0**	
3095	**0**	**144**	**09:57:57.466**	**20EL5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,528,692:21:0**	
3096	**0**	**144**	**09:58:07.466**	**20EL6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,528,692:36:0**	
3097	**0**	**144**	**09:58:17.466**	**20EL6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,528,692:51:0**	
3098	**0**	**144**	**09:58:27.466**	**20EL5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,528,692:66:0**	
3099	**0**	**144**	**09:58:30.800**	**20EL5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,528,692:71:0**	
3100	**0**	**144**	**09:58:36.800**	**20EL4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,528,692:80:0**	
3101	0	144	09:59:44.133	165KN4A	**7SCAN**	**NORM,109.983,24.**	**Check S/P Position**	2R0	4	0	5,528,693:90:0	
3102	**0**	**144**	**09:59:48.933**	**28JNEQBLGE10**		**-----START------**		**2R0**	**4**	**0**	**: :**	
3103	**0**	**144**	**09:59:48.933**	**28NNEQBLGE10-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
3104	0	144	10:00:40.800	125EL	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,528,694:84:0	
3105	**0**	**144**	**10:00:40.800**	**125EL4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,528,694:84:0**	
3106	0	144	10:01:41.466	125EL11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,528,695:84:0	
3107	**0**	**144**	**10:01:41.466**	**125EL4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,528,695:84:0**	
3108	0	144	10:03:38.133	117KN	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,528,697:77:0	
3109	0	144	10:03:42.800	127EL	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,528,697:84:0	
3110	**0**	**144**	**10:03:42.800**	**127EL4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,528,697:84:0**	
3111	**0**	**144**	**10:03:43.466**	**127EL4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,528,697:85:0**	
3112	0	144	10:03:46.133	165KN4B	7VECT		Inert vect update UTC	2R3	4	0	5,528,697:89:0	
3113	0	144	10:03:47.466	117KN105A106A4A	**7STRP**	**0.00885,0.0,0,0,**	**Slew =,0.03**	2R3	4	0	5,528,698:00:0	
3114	**0**	**144**	**10:03:51.466**	**432FF6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,528,698:06:0**	
3115	0	144	10:03:51.466	127EL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,528,698:06:0	
3116	0	144	10:08:47.466	117KN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,528,702:86:0	
3117	**0**	**144**	**10:08:53.466**	**432FL6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,528,703:04:0**	
3118	**0**	**144**	**10:08:54.933**	**28JNEQBLGE10**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3119	0	144	10:38:46.800	488AN6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,528,732:55:0	
3120	0	144	12:29:23.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2515.17 +/- 8	2R3	4	0	5,528,842:00:0	
3121	0	144	12:29:23.466	411JQ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,528,842:00:0	
3122	0	144	12:29:30.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2515.17 +/- 8	2R3	4	0	5,528,842:10:0	
3123	0	144	12:29:31.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2515.29 +/- 8	2R3	4	0	5,528,842:12:1	
3124	0	144	12:29:31.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2515.29 +/- 8	2R3	4	0	5,528,842:12:1	
3125	0	144	12:29:33.466	411JQ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,528,842:15:0	
3126	0	144	12:31:34.800	411JQ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,528,844:15:0	
3127	0	144	12:31:35.466	411JQ6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,528,844:16:0	
3128	0	144	12:31:35.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2544.34 +/- 8	2R3	4	0	5,528,844:16:0	
3129	0	144	12:31:36.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2544.40 +/- 8	2R3	4	0	5,528,844:17:8	
3130	0	144	19:10:48.133	411JR6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,529,239:00:0	
3131	0	144	19:10:48.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2544.40 +/- 8	2R3	4	0	5,529,239:00:0	
3132	0	144	19:10:54.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2544.40 +/- 8	2R3	4	0	5,529,239:10:0	
3133	0	144	19:10:56.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2544.52 +/- 8	2R3	4	0	5,529,239:12:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3134	0	144	19:10:56.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2544.52 +/- 8	2R3	4	0	5,529,239:12:1	
3135	0	144	19:10:58.133	411JR6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,529,239:15:0	
3136	0	144	19:12:59.466	411JR6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,529,241:15:0	
3137	0	144	19:13:00.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2573.56 +/- 8	2R3	4	0	5,529,241:16:0	
3138	0	144	19:13:00.133	411JR6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,529,241:16:0	
3139	0	144	19:13:01.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2573.62 +/- 8	2R3	4	0	5,529,241:17:8	
3140	0	144	20:42:02.800	488AO6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,529,329:22:0	
3141	0	144	21:13:04.133	488AO6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,529,359:84:0	
3142	0	144	23:00:28.133	488AO6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,529,466:13:0	
3143	0	145	01:54:55.466	432OU431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,529,638:62:0	
3144	0	145	01:54:56.133	432OU6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,529,638:63:0	
3145	0	145	03:13:48.133	488AP6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,529,716:63:0	
3146	0	145	03:16:08.133	411JS6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,529,719:00:0	
3147	0	145	03:16:08.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2573.62 +/- 8	2R3	4	0	5,529,719:00:0	
3148	0	145	03:16:14.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2573.62 +/- 8	2R3	4	0	5,529,719:10:0	
3149	0	145	03:16:16.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2573.74 +/- 8	2R3	4	0	5,529,719:12:1	
3150	0	145	03:16:16.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2573.74 +/- 8	2R3	4	0	5,529,719:12:1	
3151	0	145	03:16:18.133	411JS6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,529,719:15:0	
3152	0	145	03:18:19.466	411JS6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,529,721:15:0	
3153	0	145	03:18:20.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2602.79 +/- 8	2R3	4	0	5,529,721:16:0	
3154	0	145	03:18:20.133	411JS6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,529,721:16:0	
3155	0	145	03:18:21.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2602.85 +/- 8	2R3	4	0	5,529,721:17:8	
3156	0	145	03:55:28.800	488AP6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,529,757:83:0	
3157	0	145	10:08:40.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2602.85 +/- 8	2R3	4	0	5,530,127:00:0	
3158	0	145	10:08:40.066	411JT6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,530,127:00:0	
3159	0	145	10:08:46.733		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2602.85 +/- 8	2R3	4	0	5,530,127:10:0	
3160	0	145	10:08:48.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2602.97 +/- 8	2R3	4	0	5,530,127:12:1	
3161	0	145	10:08:48.133		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2602.97 +/- 8	2R3	4	0	5,530,127:12:1	
3162	0	145	10:08:50.066	411JT6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,530,127:15:0	
3163	0	145	10:10:51.400	411JT6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,530,129:15:0	
3164	0	145	10:10:52.066		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2632.02 +/- 8	2R3	4	0	5,530,129:16:0	
3165	0	145	10:10:52.066	411JT6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,530,129:16:0	
3166	0	145	10:10:53.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2632.08 +/- 8	2R3	4	0	5,530,129:17:8	
3167	0	145	11:14:22.733	165IQ4A	7SCAN	NORM,104.716999,	Check S/P Position	2R3	4	0	5,530,191:90:0	
3168	0	145	11:16:23.400	165IQ4B	7VECT		Inert vect update UTC	2R3	4	0	5,530,193:89:0	
3169	0	145	11:16:28.733	118IQ	**SMOS**	GS		2R3	4	0	5,530,194:06:0	
3170	0	145	11:16:55.400	118IQ110A111A4A	7STRP	-0.0014,0.0,182,	Slew =4,0.9	2R3	4	0	5,530,194:46:0	
3171	0	145	11:19:57.400	118IQ11A	**SMOS**	GE		2R3	4	0	5,530,197:46:0	
3172	0	145	11:20:18.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2632.08 +/- 8	2R3	4	0	5,530,197:78:0	
3173	0	145	11:20:18.733	175IQ422A6A	6DMSC	R403,3	DMS Control	2R3	4	0	5,530,197:78:0	
3174	0	145	11:20:25.400		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 2632.08 +/- 8	2R3	4	0	5,530,197:88:0	
3175	0	145	11:20:28.733	175IQ176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,530,198:02:0	
3176	0	145	11:20:29.266		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 2655.08 +/- 8	2R3	4	0	5,530,198:02:8	
3177	0	145	11:20:29.266		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *2655.08 +/- 8	2R3	4	0	5,530,198:02:8	
3178	0	145	11:20:31.400		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *2681.33 +/- 8	2R3	4	0	5,530,198:06:0	
3179	0	145	11:20:31.400	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,530,198:06:0	
3180	0	145	11:20:34.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2685.33 +/- 8	2R3	4	0	5,530,198:10:1	
3181	0	145	11:24:29.400	165IZ4A	7SCAN	NORM,105.025999,	Check S/P Position	2R3	4	0	5,530,201:90:0	
3182	0	145	11:25:22.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2685.33 +/- 8	2R3	4	0	5,530,202:78:0	
3183	0	145	11:25:22.066	175KA422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	5,530,202:78:0	
3184	0	145	11:25:28.733		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2685.33 +/- 8	2R3	4	0	5,530,202:88:0	
3185	0	145	11:25:30.066	175KA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,530,202:90:0	
3186	0	145	11:25:30.133		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2685.45 +/- 8	2R3	4	0	5,530,202:90:1	
3187	0	145	11:25:30.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2685.45 +/- 8	2R3	4	0	5,530,202:90:1	
3188	0	145	11:25:37.400	175KA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,530,203:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3189	0	145	11:25:37.400		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2687.15 +/- 8	2R3	4	0	5,530,203:10:0	
3190	0	145	11:25:38.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2687.21 +/- 8	2R3	4	0	5,530,203:11:8	
3191	0	145	13:00:06.066	20KA4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R3	4	0	5,530,296:50:0	
3192	0	145	17:02:12.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2687.21 +/- 8	2R3	4	0	5,530,536:00:0	
3193	0	145	17:02:12.733	411JU6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,530,536:00:0	
3194	0	145	17:02:19.400		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2687.21 +/- 8	2R3	4	0	5,530,536:10:0	
3195	0	145	17:02:20.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2687.33 +/- 8	2R3	4	0	5,530,536:12:1	
3196	0	145	17:02:20.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2687.33 +/- 8	2R3	4	0	5,530,536:12:1	
3197	0	145	17:02:22.733	411JU6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,530,536:15:0	
3198	0	145	17:04:24.066	411JU6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,530,538:15:0	
3199	0	145	17:04:24.733		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2716.38 +/- 8	2R3	4	0	5,530,538:16:0	
3200	0	145	17:04:24.733	411JU6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,530,538:16:0	
3201	0	145	17:04:25.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2716.44 +/- 8	2R3	4	0	5,530,538:17:8	
3202	0	145	22:56:20.066	20UL4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R3	4	0	5,530,886:21:0	
3203	0	145	23:09:14.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2716.44 +/- 8	2R3	4	0	5,530,899:00:0	
3204	0	145	23:09:14.733	411JV6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,530,899:00:0	
3205	0	145	23:09:21.400		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2716.44 +/- 8	2R3	4	0	5,530,899:10:0	
3206	0	145	23:09:22.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2716.56 +/- 8	2R3	4	0	5,530,899:12:1	
3207	0	145	23:09:22.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2716.56 +/- 8	2R3	4	0	5,530,899:12:1	
3208	0	145	23:09:24.733	411JV6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,530,899:15:0	
3209	0	145	23:11:26.066	411JV6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,530,901:15:0	
3210	0	145	23:11:26.733		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2745.60 +/- 8	2R3	4	0	5,530,901:16:0	
3211	0	145	23:11:26.733	411JV6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,530,901:16:0	
3212	0	145	23:11:27.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2745.66 +/- 8	2R3	4	0	5,530,901:17:8	
3213	0	145	23:15:20.066	20UL4D	**7MODE**	**INT**	AACS INERTIAL MODE	2R3	4	0	5,530,905:02:0	
3214	0	145	23:21:04.066	488AQ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,530,910:63:0	
3215	0	146	00:42:58.066	488AQ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,530,991:63:0	
3216	0	146	01:30:16.733	488AQ6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,531,038:44:0	
3217	0	146	01:34:40.733	488AQ6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,531,042:76:0	
3218	0	146	02:02:00.066	20UL4F	**7MODE**	**CRU**	AACS CRUISE MODE	2R3	4	0	5,531,069:78:0	
3219	0	146	03:43:48.733	488AQ6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,531,170:50:0	
3220	0	146	05:12:05.400	488AR6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,531,257:78:0	
3221	0	146	05:23:02.066	488AR6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,531,268:62:0	
3222	0	146	06:59:24.733	411LF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,531,364:00:0	
3223	0	146	06:59:24.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2745.66 +/- 8	2R3	4	0	5,531,364:00:0	
3224	0	146	06:59:31.400		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2745.66 +/- 8	2R3	4	0	5,531,364:10:0	
3225	0	146	06:59:32.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2745.78 +/- 8	2R3	4	0	5,531,364:12:1	
3226	0	146	06:59:32.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2745.78 +/- 8	2R3	4	0	5,531,364:12:1	
3227	0	146	06:59:34.733	411LF6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,531,364:15:0	
3228	0	146	07:01:36.066	411LF6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,531,366:15:0	
3229	0	146	07:01:36.733	411LF6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,531,366:16:0	
3230	0	146	07:01:36.733		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2774.83 +/- 8	2R3	4	0	5,531,366:16:0	
3231	0	146	07:01:37.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2774.89 +/- 8	2R3	4	0	5,531,366:17:8	
3232	0	146	07:20:26.066	488AR6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,531,384:72:0	
3233	0	146	07:37:20.733	488AR6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,531,401:47:0	
3234	0	146	07:37:22.066	20BB6A	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	2R3	4	0	5,531,401:49:0	
3235	0	146	07:54:00.066	20AA4AA	7STAT	10.00,307.6886,2	Stator inertial point	2R3	4	0	5,531,417:90:0	
3236	0	146	07:54:12.066	20AA6AA	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	2R3	4	0	5,531,418:17:0	
3237	0	146	08:00:00.066	474AA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2R3	4	0	5,531,423:84:0	
3238	0	146	08:02:00.066	474AA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R3	4	0	5,531,425:82:0	
3239	0	146	08:02:20.066	20AA4AD	7STAT	17.45,307.6886,2	Stator inertial point	2R3	4	0	5,531,426:21:0	
3240	0	146	08:06:14.066	474AA416A4E	**7BURN**	**,307.688599,20.0**	ALERT -- Thruster fire	2R3	4	0	5,531,430:08:0	
3241	0	146	08:30:30.066	20AA4AM	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5,531,454:08:0	
3242	0	146	08:35:22.066	20AA4AN	**7MODE**	**CRU**	AACS CRUISE MODE	2R3	4	0	5,531,458:82:0	
3243	0	146	13:33:36.733	488AS6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,531,753:79:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3244	0	146	15:38:50.066	488AS6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,531,877	65:0
3245	0	146	16:31:42.066	411JW6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,531,930	00:0
3246	0	146	16:31:42.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2774.89 +/- 8	2R3	4	0	5,531,930	00:0
3247	0	146	16:31:48.733		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2774.89 +/- 8	2R3	4	0	5,531,930	10:0
3248	0	146	16:31:50.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2775.01 +/- 8	2R3	4	0	5,531,930	12:1
3249	0	146	16:31:50.133		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2775.01 +/- 8	2R3	4	0	5,531,930	12:1
3250	0	146	16:31:52.066	411JW6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,531,930	15:0
3251	0	146	16:33:53.400	411JW6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,531,932	15:0
3252	0	146	16:33:54.066	411JW6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,531,932	16:0
3253	0	146	16:33:54.066		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2804.06 +/- 8	2R3	4	0	5,531,932	16:0
3254	0	146	16:33:55.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2804.12 +/- 8	2R3	4	0	5,531,932	17:8
3255	0	146	16:35:00.066	444SB443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	2R3	4	0	5,531,933	24:0
3256	0	146	16:39:46.733	432OQ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,531,937	90:0
3257	0	146	16:39:47.400	432OQ6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,531,938	00:0
3258	0	146	20:42:06.000	488AT6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,532,177	59:0
3259	0	146	21:03:00.666	488AT6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,532,198	30:0
3260	0	146	22:46:08.666	488AT6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,532,300	30:0
3261	0	146	22:48:03.333	488AT6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,532,302	20:0
3262	0	147	01:42:45.333	411JX6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,532,475	00:0
3263	0	147	01:42:45.333		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2804.12 +/- 8	2R3	4	0	5,532,475	00:0
3264	0	147	01:42:52.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2804.12 +/- 8	2R3	4	0	5,532,475	10:0
3265	0	147	01:42:53.400		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2804.24 +/- 8	2R3	4	0	5,532,475	12:1
3266	0	147	01:42:53.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2804.24 +/- 8	2R3	4	0	5,532,475	12:1
3267	0	147	01:42:55.333	411JX6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,532,475	15:0
3268	0	147	01:44:56.666	411JX6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,532,477	15:0
3269	0	147	01:44:57.333	411JX6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,532,477	16:0
3270	0	147	01:44:57.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2833.28 +/- 8	2R3	4	0	5,532,477	16:0
3271	0	147	01:44:58.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2833.34 +/- 8	2R3	4	0	5,532,477	17:8
3272	0	147	01:49:36.666	488AT6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,532,481	71:0
3273	0	147	02:53:50.666	488AU6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,532,545	28:0
3274	0	147	03:36:16.666	488AU6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,532,587	25:0
3275	0	147	08:56:31.333	411JY6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,532,904	00:0
3276	0	147	08:56:31.333		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2833.34 +/- 8	2R3	4	0	5,532,904	00:0
3277	0	147	08:56:38.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2833.34 +/- 8	2R3	4	0	5,532,904	10:0
3278	0	147	08:56:39.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2833.46 +/- 8	2R3	4	0	5,532,904	12:1
3279	0	147	08:56:39.400		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2833.46 +/- 8	2R3	4	0	5,532,904	12:1
3280	0	147	08:56:41.333	411JY6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,532,904	15:0
3281	0	147	08:58:42.666	411JY6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,532,906	15:0
3282	0	147	08:58:43.333	411JY6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,532,906	16:0
3283	0	147	08:58:43.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2862.51 +/- 8	2R3	4	0	5,532,906	16:0
3284	0	147	08:58:44.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2862.57 +/- 8	2R3	4	0	5,532,906	17:8
3285	0	147	15:50:04.000	411JZ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,533,313	00:0
3286	0	147	15:50:04.000		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2862.57 +/- 8	2R3	4	0	5,533,313	00:0
3287	0	147	15:50:10.666		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2862.57 +/- 8	2R3	4	0	5,533,313	10:0
3288	0	147	15:50:12.066		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2862.69 +/- 8	2R3	4	0	5,533,313	12:1
3289	0	147	15:50:12.066		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2862.69 +/- 8	2R3	4	0	5,533,313	12:1
3290	0	147	15:50:14.000	411JZ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,533,313	15:0
3291	0	147	15:52:15.333	411JZ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,533,315	15:0
3292	0	147	15:52:16.000	411JZ6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,533,315	16:0
3293	0	147	15:52:16.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2891.74 +/- 8	2R3	4	0	5,533,315	16:0
3294	0	147	15:52:17.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2891.80 +/- 8	2R3	4	0	5,533,315	17:8
3295	0	147	20:36:06.666	488AV6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,533,595	82:0
3296	0	147	21:57:04.666	488AV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,533,675	89:0
3297	0	148	02:34:24.666	488AV6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,533,950	24:0
3298	0	148	03:58:09.333	488AW6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,534,033	08:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3299	0	148	04:04:00.666	488AW6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,534,038:80:0	
3300	0	148	04:40:16.600	488AW6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,534,074:68:0	
3301	0	148	06:38:49.933	411KA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,534,192:00:0	
3302	0	148	06:38:49.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2891.80 +/- 8	2R3	4	0	5,534,192:00:0	
3303	0	148	06:38:56.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2891.80 +/- 8	2R3	4	0	5,534,192:10:0	
3304	0	148	06:38:58.000		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2891.92 +/- 8	2R3	4	0	5,534,192:12:1	
3305	0	148	06:38:58.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2891.92 +/- 8	2R3	4	0	5,534,192:12:1	
3306	0	148	06:38:59.933	411KA6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,534,192:15:0	
3307	0	148	06:41:01.266	411KA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,534,194:15:0	
3308	0	148	06:41:01.933	411KA6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,534,194:16:0	
3309	0	148	06:41:01.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2920.97 +/- 8	2R3	4	0	5,534,194:16:0	
3310	0	148	06:41:03.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2921.03 +/- 8	2R3	4	0	5,534,194:17:8	
3311	0	148	11:51:07.933	488AX6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,534,500:79:0	
3312	0	148	15:28:48.600	488AX6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,534,716:14:0	
3313	0	148	15:38:53.266	488AX6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,534,726:11:0	
3314	0	148	16:19:12.600	411KB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,534,766:00:0	
3315	0	148	16:19:12.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2921.03 +/- 8	2R3	4	0	5,534,766:00:0	
3316	0	148	16:19:19.266		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2921.03 +/- 8	2R3	4	0	5,534,766:10:0	
3317	0	148	16:19:20.666		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2921.15 +/- 8	2R3	4	0	5,534,766:12:1	
3318	0	148	16:19:20.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2921.15 +/- 8	2R3	4	0	5,534,766:12:1	
3319	0	148	16:19:22.600	411KB6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,534,766:15:0	
3320	0	148	16:21:23.933	411KB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,534,768:15:0	
3321	0	148	16:21:24.600	411KB6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,534,768:16:0	
3322	0	148	16:21:24.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2950.19 +/- 8	2R3	4	0	5,534,768:16:0	
3323	0	148	16:21:25.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2950.25 +/- 8	2R3	4	0	5,534,768:17:8	
3324	0	148	16:22:08.600	488AX6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,534,768:82:0	
3325	0	148	20:31:07.933	488AY6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,535,015:14:0	
3326	0	148	21:50:40.600	488AY6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,535,093:75:0	
3327	0	149	02:28:00.600	488AY6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,535,368:10:0	
3328	0	149	03:28:50.600	488AZ6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,535,428:25:0	
3329	0	149	06:49:46.600	411KC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,535,627:00:0	
3330	0	149	06:49:46.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2950.25 +/- 8	2R3	4	0	5,535,627:00:0	
3331	0	149	06:49:53.266		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2950.25 +/- 8	2R3	4	0	5,535,627:10:0	
3332	0	149	06:49:54.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2950.37 +/- 8	2R3	4	0	5,535,627:12:1	
3333	0	149	06:49:54.666		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2950.37 +/- 8	2R3	4	0	5,535,627:12:1	
3334	0	149	06:49:56.600	411KC6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,535,627:15:0	
3335	0	149	06:51:57.933	411KC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,535,629:15:0	
3336	0	149	06:51:58.600	411KC6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,535,629:16:0	
3337	0	149	06:51:58.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2979.42 +/- 8	2R3	4	0	5,535,629:16:0	
3338	0	149	06:51:59.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2979.48 +/- 8	2R3	4	0	5,535,629:17:8	
3339	0	149	12:21:09.933	488BA6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,535,954:68:0	
3340	0	149	15:24:32.533	488BA6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,536,136:10:0	
3341	0	149	15:33:55.200	488BA6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,536,145:35:0	
3342	0	149	16:03:51.866	411KD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,536,175:00:0	
3343	0	149	16:03:51.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2979.48 +/- 8	2R3	4	0	5,536,175:00:0	
3344	0	149	16:03:58.533		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2979.48 +/- 8	2R3	4	0	5,536,175:10:0	
3345	0	149	16:03:59.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2979.60 +/- 8	2R3	4	0	5,536,175:12:1	
3346	0	149	16:03:59.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2979.60 +/- 8	2R3	4	0	5,536,175:12:1	
3347	0	149	16:04:01.866	411KD6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,536,175:15:0	
3348	0	149	16:06:03.200	411KD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,536,177:15:0	
3349	0	149	16:06:03.866	411KD6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,536,177:16:0	
3350	0	149	16:06:03.866		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3008.65 +/- 8	2R3	4	0	5,536,177:16:0	
3351	0	149	16:06:05.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3008.71 +/- 8	2R3	4	0	5,536,177:17:8	
3352	0	149	16:15:44.533	488BA6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,536,186:68:0	
3353	0	149	21:56:09.866	488BB6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,536,523:39:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3354	0	149	22:01:20.533	488BB6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,536,528:50:0	
3355	0	150	02:23:44.533	488BB6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,536,788:06:0	
3356	0	150	03:51:37.200	488BB6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,536,874:89:0	
3357	0	150	03:59:44.533	488BC6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,536,883:01:0	
3358	0	150	04:57:11.866	488BC6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,536,939:76:0	
3359	0	150	05:17:55.866	488BC6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,536,960:31:0	
3360	0	150	05:44:53.200	411KE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,536,987:00:0	
3361	0	150	05:44:53.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3008.71 +/- 8	2R3	4	0	5,536,987:00:0	
3362	0	150	05:44:59.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3008.71 +/- 8	2R3	4	0	5,536,987:10:0	
3363	0	150	05:45:01.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3008.83 +/- 8	2R3	4	0	5,536,987:12:1	
3364	0	150	05:45:01.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3008.83 +/- 8	2R3	4	0	5,536,987:12:1	
3365	0	150	05:45:03.200	411KE6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,536,987:15:0	
3366	0	150	05:47:04.533	411KE6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,536,989:15:0	
3367	0	150	05:47:05.200	411KE6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,536,989:16:0	
3368	0	150	05:47:05.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3037.87 +/- 8	2R3	4	0	5,536,989:16:0	
3369	0	150	05:47:06.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3037.93 +/- 8	2R3	4	0	5,536,989:17:8	
3370	0	150	07:05:19.866	488BC6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,537,066:51:0	
3371	0	150	07:11:44.533	488BC6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,537,072:82:0	
3372	0	150	13:22:56.533	488BD6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,537,440:02:0	
3373	0	150	15:08:57.200	488BE6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,537,544:79:0	
3374	0	150	17:47:49.866	411KF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,537,702:00:0	
3375	0	150	17:47:49.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3037.93 +/- 8	2R3	4	0	5,537,702:00:0	
3376	0	150	17:47:56.533		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3037.93 +/- 8	2R3	4	0	5,537,702:10:0	
3377	0	150	17:47:57.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3038.05 +/- 8	2R3	4	0	5,537,702:12:1	
3378	0	150	17:47:57.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3038.05 +/- 8	2R3	4	0	5,537,702:12:1	
3379	0	150	17:47:59.866	411KF6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,537,702:15:0	
3380	0	150	17:50:01.200	411KF6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,537,704:15:0	
3381	0	150	17:50:01.866	411KF6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,537,704:16:0	
3382	0	150	17:50:01.866		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3067.10 +/- 8	2R3	4	0	5,537,704:16:0	
3383	0	150	17:50:03.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3067.16 +/- 8	2R3	4	0	5,537,704:17:8	
3384	0	150	20:59:59.866	481UE4A	7VECT	BB1	Inert vect update UTC	2R3	4	0	5,537,892:05:0	
3385	0	151	00:40:21.800	411KG6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,538,110:00:0	
3386	0	151	00:40:21.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3067.16 +/- 8	2R3	4	0	5,538,110:00:0	
3387	0	151	00:40:28.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3067.16 +/- 8	2R3	4	0	5,538,110:10:0	
3388	0	151	00:40:29.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3067.28 +/- 8	2R3	4	0	5,538,110:12:1	
3389	0	151	00:40:29.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3067.28 +/- 8	2R3	4	0	5,538,110:12:1	
3390	0	151	00:40:31.800	411KG6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,538,110:15:0	
3391	0	151	00:42:33.133	411KG6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,538,112:15:0	
3392	0	151	00:42:33.800	411KG6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,538,112:16:0	
3393	0	151	00:42:33.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3096.33 +/- 8	2R3	4	0	5,538,112:16:0	
3394	0	151	00:42:35.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3096.39 +/- 8	2R3	4	0	5,538,112:17:8	
3395	0	151	04:52:13.133	488BF6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,538,359:08:0	
3396	0	151	05:12:53.800	488BF6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,538,379:49:0	
3397	0	151	07:00:17.800	488BF6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,538,485:69:0	
3398	0	151	07:16:00.466	488BF6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,538,501:27:0	
3399	0	151	09:08:57.133	411KH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,538,613:00:0	
3400	0	151	09:08:57.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3096.39 +/- 8	2R3	4	0	5,538,613:00:0	
3401	0	151	09:09:03.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3096.39 +/- 8	2R3	4	0	5,538,613:10:0	
3402	0	151	09:09:05.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3096.51 +/- 8	2R3	4	0	5,538,613:12:1	
3403	0	151	09:09:05.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3096.51 +/- 8	2R3	4	0	5,538,613:12:1	
3404	0	151	09:09:07.133	411KH6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,538,613:15:0	
3405	0	151	09:11:08.466	411KH6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,538,615:15:0	
3406	0	151	09:11:09.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3125.55 +/- 8	2R3	4	0	5,538,615:16:0	
3407	0	151	09:11:09.133	411KH6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,538,615:16:0	
3408	0	151	09:11:10.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3125.61 +/- 8	2R3	4	0	5,538,615:17:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3409	0	151	09:13:54.466	488BF6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,538,617:82:0	
3410	0	151	09:32:32.466	488BG6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,538,636:30:0	
3411	0	151	16:05:31.800	411KI6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,539,025:00:0	
3412	0	151	16:05:31.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3125.61 +/- 8	2R3	4	0	5,539,025:00:0	
3413	0	151	16:05:38.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3125.61 +/- 8	2R3	4	0	5,539,025:10:0	
3414	0	151	16:05:39.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3125.73 +/- 8	2R3	4	0	5,539,025:12:1	
3415	0	151	16:05:39.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3125.73 +/- 8	2R3	4	0	5,539,025:12:1	
3416	0	151	16:05:41.800	411KI6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,539,025:15:0	
3417	0	151	16:07:43.133	411KI6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,539,027:15:0	
3418	0	151	16:07:43.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3154.78 +/- 8	2R3	4	0	5,539,027:16:0	
3419	0	151	16:07:43.800	411KI6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,539,027:16:0	
3420	0	151	16:07:45.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3154.84 +/- 8	2R3	4	0	5,539,027:17:8	
3421	0	151	22:40:53.133	488BH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,539,416:01:0	
3422	0	151	22:52:59.800	488BH6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R3	4	0	5,539,427:90:0	
3423	0	151	23:05:59.800	20RP4C	7STAT	10.00,230.0,-19.	Stator inertial point	2R3	4	0	5,539,440:77:0	
3424	0	151	23:06:11.800	20RP6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	2R3	4	0	5,539,441:04:0	
3425	0	151	23:25:01.800	490UA412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2R3	4	0	5,539,459:61:0	
3426	0	151	23:29:59.800	490UA412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R3	4	0	5,539,464:53:0	
3427	0	151	23:30:19.800	20RP4D	7STAT	17.45,230.0,-19.	Stator inertial point	2R3	4	0	5,539,464:83:0	
3428	0	151	23:34:09.800	490UA412A4E	7VECT	RTH	Inert vect update UTC	2R3	4	0	5,539,468:64:0	
3429	0	151	23:34:13.800	490UA412A4F	7TURN	2,RTH	ALERT Thruster	2R3	4	0	5,539,468:70:0	
3430	0	151	23:38:01.800	490UA412A406A4A	7STAR	1,586,151.424,12	Star catalog update	2R3	4	0	5,539,472:48:0	
3431	0	151	23:38:03.800	490UA412A406A4B	7STAR	2,425,331.28	Star catalog update	2R3	4	0	5,539,472:51:0	
3432	0	151	23:38:05.800	490UA412A406A4C	7STAR	3,275,130.83	Star catalog update	2R3	4	0	5,539,472:54:0	
3433	0	151	23:38:07.800	490UA412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	2R3	4	0	5,539,472:57:0	
3434	0	151	23:38:09.800	490UA412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	2R3	4	0	5,539,472:60:0	
3435	0	151	23:38:11.800	490UA412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2R3	4	0	5,539,472:63:0	
3436	0	151	23:48:05.800	20RP4F	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5,539,482:44:0	
3437	0	151	23:56:09.800	490UA412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	2R3	4	0	5,539,490:42:0	
3438	0	152	01:09:59.133	432OM431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,539,563:43:0	
3439	0	152	01:09:59.800	432OM6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,539,563:44:0	
3440	0	152	01:30:59.800	488BH6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,539,584:23:0	
3441	0	152	02:38:40.466	488BH6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,539,651:17:0	
3442	0	152	03:34:08.466	488BH6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,539,706:04:0	
3443	0	152	03:56:45.133	488BI6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,539,728:37:0	
3444	0	152	04:08:16.466	488BI6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,539,739:73:0	
3445	0	152	04:44:32.466	488BI6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,539,775:61:0	
3446	0	152	06:29:01.133	411KJ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,539,879:00:0	
3447	0	152	06:29:01.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3154.84 +/- 8	2R3	4	0	5,539,879:00:0	
3448	0	152	06:29:07.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3154.84 +/- 8	2R3	4	0	5,539,879:10:0	
3449	0	152	06:29:09.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3154.96 +/- 8	2R3	4	0	5,539,879:12:1	
3450	0	152	06:29:09.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3154.96 +/- 8	2R3	4	0	5,539,879:12:1	
3451	0	152	06:29:11.133	411KJ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,539,879:15:0	
3452	0	152	06:31:12.466	411KJ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,539,881:15:0	
3453	0	152	06:31:13.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3184.01 +/- 8	2R3	4	0	5,539,881:16:0	
3454	0	152	06:31:13.133	411KJ6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,539,881:16:0	
3455	0	152	06:31:14.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3184.07 +/- 8	2R3	4	0	5,539,881:17:8	
3456	0	152	13:39:45.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3184.07 +/- 8	2R3	4	0	5,540,305:00:0	
3457	0	152	13:39:45.066	411KK6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,540,305:00:0	
3458	0	152	13:39:51.733		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3184.07 +/- 8	2R3	4	0	5,540,305:10:0	
3459	0	152	13:39:53.133		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3184.19 +/- 8	2R3	4	0	5,540,305:12:1	
3460	0	152	13:39:53.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3184.19 +/- 8	2R3	4	0	5,540,305:12:1	
3461	0	152	13:39:55.066	411KK6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,540,305:15:0	
3462	0	152	13:41:56.400	411KK6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,540,307:15:0	
3463	0	152	13:41:57.066	411KK6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,540,307:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3464	0	152	13:41:57.066		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3213.23 +/- 8	2R3	4	0	5,540,307:16:0	
3465	0	152	13:41:58.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3213.29 +/- 8	2R3	4	0	5,540,307:17:8	
3466	0	152	20:01:15.733	488BJ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,540,682:29:0	
3467	0	152	20:27:28.400	488BJ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,540,708:22:0	
3468	0	152	21:16:32.400	488BJ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,540,756:70:0	
3469	0	153	01:01:59.733	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5,540,979:68:0	
3470	0	153	01:02:59.733	20UR4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2R3	4	0	5,540,980:67:0	
3471	0	153	01:04:59.733	20UR4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R3	4	0	5,540,982:65:0	
3472	0	153	01:10:29.733	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2R3	4	0	5,540,988:14:0	
3473	0	153	01:10:30.400	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2R3	4	0	5,540,988:15:0	
3474	0	153	01:10:50.400	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2R3	4	0	5,540,988:45:0	
3475	0	153	01:10:51.066	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2R3	4	0	5,540,988:46:0	
3476	0	153	01:11:11.066	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2R3	4	0	5,540,988:76:0	
3477	0	153	01:11:11.733	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2R3	4	0	5,540,988:77:0	
3478	0	153	01:11:21.733	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2R3	4	0	5,540,989:01:0	
3479	0	153	01:11:22.400	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2R3	4	0	5,540,989:02:0	
3480	0	153	01:11:32.400	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2R3	4	0	5,540,989:17:0	
3481	0	153	01:11:33.066	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2R3	4	0	5,540,989:18:0	
3482	0	153	01:13:19.733	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2R3	4	0	5,540,990:87:0	
3483	0	153	01:13:20.400	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2R3	4	0	5,540,990:88:0	
3484	0	153	01:13:40.400	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2R3	4	0	5,540,991:27:0	
3485	0	153	01:13:41.066	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2R3	4	0	5,540,991:28:0	
3486	0	153	01:14:01.066	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2R3	4	0	5,540,991:58:0	
3487	0	153	01:14:01.733	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2R3	4	0	5,540,991:59:0	
3488	0	153	01:14:11.733	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2R3	4	0	5,540,991:74:0	
3489	0	153	01:14:12.400	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2R3	4	0	5,540,991:75:0	
3490	0	153	01:14:22.400	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2R3	4	0	5,540,991:90:0	
3491	0	153	01:14:23.066	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2R3	4	0	5,540,992:00:0	
3492	0	153	01:15:19.733	20UR4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2R3	4	0	5,540,992:85:0	
3493	0	153	01:34:59.733	432OK431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,541,012:35:0	
3494	0	153	01:35:00.400	432OK6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,541,012:36:0	
3495	0	153	01:56:16.400	488BJ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,541,033:39:0	
3496	0	153	02:06:40.400	488BK6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5,541,043:65:0	
3497	0	153	05:23:07.066	411KL6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,541,238:00:0	
3498	0	153	05:23:07.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3213.29 +/- 8	2R3	4	0	5,541,238:00:0	
3499	0	153	05:23:13.733		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3213.29 +/- 8	2R3	4	0	5,541,238:10:0	
3500	0	153	05:23:15.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3213.41 +/- 8	2R3	4	0	5,541,238:12:1	
3501	0	153	05:23:15.133		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3213.41 +/- 8	2R3	4	0	5,541,238:12:1	
3502	0	153	05:23:17.066	411KL6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,541,238:15:0	
3503	0	153	05:25:18.400	411KL6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,541,240:15:0	
3504	0	153	05:25:19.066		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3242.46 +/- 8	2R3	4	0	5,541,240:16:0	
3505	0	153	05:25:19.066	411KL6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,541,240:16:0	
3506	0	153	05:25:20.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3242.52 +/- 8	2R3	4	0	5,541,240:17:8	
3507	0	153	12:15:39.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3242.52 +/- 8	2R3	4	0	5,541,646:00:0	
3508	0	153	12:15:39.066	411KM6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,541,646:00:0	
3509	0	153	12:15:45.733		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3242.52 +/- 8	2R3	4	0	5,541,646:10:0	
3510	0	153	12:15:47.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3242.64 +/- 8	2R3	4	0	5,541,646:12:1	
3511	0	153	12:15:47.133		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3242.64 +/- 8	2R3	4	0	5,541,646:12:1	
3512	0	153	12:15:49.066	411KM6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,541,646:15:0	
3513	0	153	12:17:50.400	411KM6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,541,648:15:0	
3514	0	153	12:17:51.066		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3271.69 +/- 8	2R3	4	0	5,541,648:16:0	
3515	0	153	12:17:51.066	411KM6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,541,648:16:0	
3516	0	153	12:17:52.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3271.75 +/- 8	2R3	4	0	5,541,648:17:8	
3517	0	153	19:08:11.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3271.75 +/- 8	2R3	4	0	5,542,054:00:0	
3518	0	153	19:08:11.066	411KN6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,542,054:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3519	0	153	19:08:17.733		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3271.75 +/- 8	2R3	4	0	5,542,054:10:0	
3520	0	153	19:08:19.133		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3271.87 +/- 8	2R3	4	0	5,542,054:12:1	
3521	0	153	19:08:19.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3271.87 +/- 8	2R3	4	0	5,542,054:12:1	
3522	0	153	19:08:21.066	411KN6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,542,054:15:0	
3523	0	153	19:10:22.400	411KN6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,542,056:15:0	
3524	0	153	19:10:23.066	411KN6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,542,056:16:0	
3525	0	153	19:10:23.066		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3300.91 +/- 8	2R3	4	0	5,542,056:16:0	
3526	0	153	19:10:24.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3300.97 +/- 8	2R3	4	0	5,542,056:17:8	
3527	0	153	22:34:10.333	488BL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5,542,257:66:0	
3528	0	154	02:19:28.333	488BL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,542,480:50:0	
3529	0	154	03:53:20.333	488BL6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,542,573:35:0	
3530	0	154	03:57:52.333	488BL6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,542,577:79:0	
3531	0	154	04:04:00.333	488BL6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,542,583:85:0	
3532	0	154	04:26:17.666	488BM6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,542,605:89:0	
3533	0	154	04:46:40.333	488BM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,542,626:12:0	
3534	0	154	05:33:58.333	488BM6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,542,672:83:0	
3535	0	154	06:01:20.333	488BM6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,542,699:89:0	
3536	0	154	06:09:10.333	488BM6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,542,707:66:0	
3537	0	154	09:22:19.000	488BN6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,542,898:68:0	
3538	0	154	09:32:32.333	488BN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5,542,908:78:0	
3539	0	154	16:15:06.333	411KO6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,543,307:00:0	
3540	0	154	16:15:06.333		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3300.97 +/- 8	2R3	4	0	5,543,307:00:0	
3541	0	154	16:15:13.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3300.97 +/- 8	2R3	4	0	5,543,307:10:0	
3542	0	154	16:15:14.400		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3301.09 +/- 8	2R3	4	0	5,543,307:12:1	
3543	0	154	16:15:14.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3301.09 +/- 8	2R3	4	0	5,543,307:12:1	
3544	0	154	16:15:16.333	411KO6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,543,307:15:0	
3545	0	154	16:17:17.666	411KO6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,543,309:15:0	
3546	0	154	16:17:18.333	411KO6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,543,309:16:0	
3547	0	154	16:17:18.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3330.14 +/- 8	2R3	4	0	5,543,309:16:0	
3548	0	154	16:17:19.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3330.20 +/- 8	2R3	4	0	5,543,309:17:8	
3549	0	154	22:34:12.333	488BO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5,543,681:85:0	
3550	0	155	02:19:28.333	488BO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,543,904:66:0	
3551	0	155	03:50:51.000	488BO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,543,995:09:0	
3552	0	155	03:53:20.333	488BO6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,543,997:51:0	
3553	0	155	04:08:16.333	488BO6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,544,012:30:0	
3554	0	155	04:17:19.666	488BP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,544,021:26:0	
3555	0	155	04:42:24.333	488BP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,544,046:08:0	
3556	0	155	15:24:32.266	488BQ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,544,681:15:0	
3557	0	155	15:54:24.266	488BQ6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,544,710:64:0	
3558	0	155	16:00:00.266	488BQ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,544,716:22:0	
3559	0	155	16:13:36.266	488BQ6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,544,729:63:0	
3560	0	155	16:49:52.266	488BQ6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5,544,765:51:0	
3561	0	155	21:24:14.933	488BR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5,545,036:84:0	
3562	0	156	02:13:04.266	488BR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,545,322:52:0	
3563	0	156	03:49:04.266	488BS6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,545,417:47:0	
3564	0	156	04:25:20.266	488BS6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,545,453:35:0	
3565	0	156	04:42:24.266	488BS6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,545,470:24:0	
3566	0	156	05:28:54.266	488BS6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,545,516:23:0	
3567	0	156	05:54:56.266	488BS6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,545,542:00:0	
3568	0	156	06:03:50.266	488BT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,545,550:73:0	
3569	0	156	14:14:08.266	488BU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,546,035:65:0	
3570	0	156	15:10:19.600	488BU6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,546,091:26:0	
3571	0	156	15:22:24.266	488BU6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5,546,103:21:0	
3572	0	156	19:00:00.200	481UF4A	7VECT	BB1	Inert vect update UTC	2R3	4	0	5,546,318:40:0	
3573	0	156	21:24:16.866	488BV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5,546,461:12:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3574	0	157	02:13:04.200	488BV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,546,746:68:0	
3575	0	157	03:39:37.533	488BW6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,546,832:32:0	
3576	0	157	03:44:48.200	488BW6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,546,837:43:0	
3577	0	157	04:16:24.866	488BW6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,546,868:67:0	
3578	0	157	04:36:00.200	488BW6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,546,888:10:0	
3579	0	157	05:23:52.200	488BW6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,546,935:41:0	
3580	0	157	05:50:40.200	488BX6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,546,961:87:0	
3581	0	157	05:58:57.533	488BX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,546,970:14:0	
3582	0	157	10:56:51.533	488BX6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,547,264:71:0	
3583	0	157	11:04:16.200	488BX6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,547,272:10:0	
3584	0	157	16:04:27.533	411KY6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,547,569:00:0	
3585	0	157	16:04:27.533		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3330.20 +/- 8	2R3	4	0	5,547,569:00:0	
3586	0	157	16:04:34.200		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3330.20 +/- 8	2R3	4	0	5,547,569:10:0	
3587	0	157	16:04:35.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3330.32 +/- 8	2R3	4	0	5,547,569:12:1	
3588	0	157	16:04:35.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3330.32 +/- 8	2R3	4	0	5,547,569:12:1	
3589	0	157	16:04:37.533	411KY6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,547,569:15:0	
3590	0	157	16:06:38.866	411KY6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,547,571:15:0	
3591	0	157	16:06:39.533	411KY6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,547,571:16:0	
3592	0	157	16:06:39.533		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3359.37 +/- 8	2R3	4	0	5,547,571:16:0	
3593	0	157	16:06:40.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3359.43 +/- 8	2R3	4	0	5,547,571:17:8	
3594	0	157	21:47:13.533	411KP6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,547,908:00:0	
3595	0	157	21:47:13.533		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3359.43 +/- 8	2R3	4	0	5,547,908:00:0	
3596	0	157	21:47:20.200		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3359.43 +/- 8	2R3	4	0	5,547,908:10:0	
3597	0	157	21:47:21.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3359.55 +/- 8	2R3	4	0	5,547,908:12:1	
3598	0	157	21:47:21.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3359.55 +/- 8	2R3	4	0	5,547,908:12:1	
3599	0	157	21:47:23.533	411KP6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,547,908:15:0	
3600	0	157	21:49:24.866	411KP6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,547,910:15:0	
3601	0	157	21:49:25.533	411KP6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,547,910:16:0	
3602	0	157	21:49:25.533		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3388.59 +/- 8	2R3	4	0	5,547,910:16:0	
3603	0	157	21:49:26.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3388.65 +/- 8	2R3	4	0	5,547,910:17:8	
3604	0	158	03:56:26.800	488BY6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,548,273:15:0	
3605	0	158	04:01:52.133	488BY6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,548,278:48:0	
3606	0	158	04:31:44.133	488BY6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,548,308:06:0	
3607	0	158	08:59:36.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3388.65 +/- 8	2R3	4	0	5,548,573:00:0	
3608	0	158	08:59:43.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3388.65 +/- 8	2R3	4	0	5,548,573:10:0	
3609	0	158	08:59:44.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3388.77 +/- 8	2R3	4	0	5,548,573:12:1	
3610	0	158	08:59:44.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3388.77 +/- 8	2R3	4	0	5,548,573:12:1	
3611	0	158	09:01:48.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3417.82 +/- 8	2R3	4	0	5,548,575:16:0	
3612	0	158	09:01:50.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3417.88 +/- 8	2R3	4	0	5,548,575:17:8	
3613	0	158	14:57:29.466	488BZ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,548,926:86:0	
3614	0	158	16:00:14.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3417.88 +/- 8	2R3	4	0	5,548,989:00:0	
3615	0	158	16:00:20.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3417.88 +/- 8	2R3	4	0	5,548,989:10:0	
3616	0	158	16:00:22.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3418.00 +/- 8	2R3	4	0	5,548,989:12:1	
3617	0	158	16:00:22.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3418.00 +/- 8	2R3	4	0	5,548,989:12:1	
3618	0	158	16:02:26.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3447.05 +/- 8	2R3	4	0	5,548,991:16:0	
3619	0	158	16:02:27.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3447.11 +/- 8	2R3	4	0	5,548,991:17:8	
3620	0	158	21:51:08.133	488CA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,549,336:04:0	
3621	0	158	23:25:52.133	488CA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,549,429:67:0	
3622	0	158	23:59:31.466	488CA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,549,463:02:0	
3623	**0**	**159**	**01:26:32.266**	**28NNCHOPOF01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3624	**0**	**159**	**01:27:08.800**	**20FN5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,549,549:62:0**	
3625	**0**	**159**	**01:27:12.133**	**20FN5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,549,549:67:0**	
3626	**0**	**159**	**01:27:15.466**	**20FN6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,549,549:72:0**	
3627	**0**	**159**	**01:27:25.466**	**20FN6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,549,549:87:0**	
3628	**0**	**159**	**01:27:39.466**	**20FN5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,549,550:17:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3629	**0**	**159**	**01:27:42.800**	**20FN5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,549,550**	**22:0**
3630	**0**	**159**	**01:28:22.800**	**20FN4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**5,549,550**	**82:0**
3631	**0**	**159**	**01:29:24.800**	**127FN4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,549,551**	**84:0**
3632	0	159	01:29:24.800	127FN	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,549,551	84:0
3633	**0**	**159**	**01:29:25.466**	**127FN4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,549,551**	**85:0**
3634	0	159	01:29:34.133	127FN11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,549,552	07:0
3635	**0**	**159**	**01:34:28.133**	**127FO4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**2R0**	**4**	**0**	**5,549,556**	**84:0**
3636	0	159	01:34:28.133	127FO	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,549,556	84:0
3637	**0**	**159**	**01:34:28.800**	**127FO4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**2R0**	**4**	**0**	**5,549,556**	**85:0**
3638	0	159	01:34:37.466	127FO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R0	4	0	5,549,557	07:0
3639	**0**	**159**	**01:36:38.933**	**28NNCHOPOF01-**		**-----STOP-------**		**2R0**	**4**	**0**	**:**	**:**
3640	0	159	01:37:30.133	125FN	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,549,559	84:0
3641	**0**	**159**	**01:37:30.133**	**125FN4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**5,549,559**	**84:0**
3642	**0**	**159**	**01:38:30.800**	**125FN4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**2O0**	**4**	**0**	**5,549,560**	**84:0**
3643	**0**	**159**	**01:39:31.466**	**125FN4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2O0**	**4**	**0**	**5,549,561**	**84:0**
3644	0	159	01:39:31.466	125FN11A	NIMSINIT	GE	##### GROUP END INIT	2O0	4	0	5,549,561	84:0
3645	0	159	02:19:28.133	488CA6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,549,601	39:0
3646	0	159	03:29:52.133	488CA6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,549,671	05:0
3647	0	159	03:34:11.466	488CB6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,549,675	30:0
3648	0	159	03:51:12.133	488CB6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,549,692	14:0
3649	0	159	03:59:08.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3447.11 +/- 8	2O0	4	0	5,549,700	00:0
3650	0	159	03:59:08.133	411KZ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,549,700	00:0
3651	0	159	03:59:14.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3447.11 +/- 8	2O0	4	0	5,549,700	10:0
3652	0	159	03:59:16.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3447.23 +/- 8	2O0	4	0	5,549,700	12:1
3653	0	159	03:59:16.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3447.23 +/- 8	2O0	4	0	5,549,700	12:1
3654	0	159	03:59:18.133	411KZ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,549,700	15:0
3655	0	159	04:01:19.466	411KZ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,549,702	15:0
3656	0	159	04:01:20.133	411KZ6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,549,702	16:0
3657	0	159	04:01:20.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3476.28 +/- 8	2O0	4	0	5,549,702	16:0
3658	0	159	04:01:21.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3476.34 +/- 8	2O0	4	0	5,549,702	17:8
3659	0	159	08:33:08.800	411KQ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,549,971	00:0
3660	0	159	08:33:08.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3476.34 +/- 8	2O0	4	0	5,549,971	00:0
3661	0	159	08:33:15.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3476.34 +/- 8	2O0	4	0	5,549,971	10:0
3662	0	159	08:33:16.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3476.46 +/- 8	2O0	4	0	5,549,971	12:1
3663	0	159	08:33:16.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3476.46 +/- 8	2O0	4	0	5,549,971	12:1
3664	0	159	08:33:18.800	411KQ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,549,971	15:0
3665	0	159	08:35:20.133	411KQ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,549,973	15:0
3666	0	159	08:35:20.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3505.50 +/- 8	2O0	4	0	5,549,973	16:0
3667	0	159	08:35:20.800	411KQ6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,549,973	16:0
3668	0	159	08:35:22.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3505.56 +/- 8	2O0	4	0	5,549,973	17:8
3669	0	159	15:25:40.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3505.56 +/- 8	2O0	4	0	5,550,379	00:0
3670	0	159	15:25:40.733	411KR6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,550,379	00:0
3671	0	159	15:25:47.400		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3505.56 +/- 8	2O0	4	0	5,550,379	10:0
3672	0	159	15:25:48.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3505.68 +/- 8	2O0	4	0	5,550,379	12:1
3673	0	159	15:25:48.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3505.68 +/- 8	2O0	4	0	5,550,379	12:1
3674	0	159	15:25:50.733	411KR6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,550,379	15:0
3675	0	159	15:27:52.066	411KR6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,550,381	15:0
3676	0	159	15:27:52.733	411KR6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,550,381	16:0
3677	0	159	15:27:52.733		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3534.73 +/- 8	2O0	4	0	5,550,381	16:0
3678	0	159	15:27:53.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3534.79 +/- 8	2O0	4	0	5,550,381	17:8
3679	0	159	19:37:31.400	488CC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,550,628	07:0
3680	0	159	19:46:56.066	488CC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,550,637	35:0
3681	0	159	21:05:52.066	488CC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,550,715	41:0
3682	0	160	02:08:48.066	488CD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,551,015	05:0
3683	0	160	03:36:29.400	488CD6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,551,101	71:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3684	0	160	03:38:24.066	488CD6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,551,103:61:0	
3685	0	160	03:53:20.066	488CD6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,551,118:40:0	
3686	0	160	10:29:14.733	411KS6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,551,510:00:0	
3687	0	160	10:29:14.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3534.79 +/- 8	2O0	4	0	5,551,510:00:0	
3688	0	160	10:29:21.400		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3534.79 +/- 8	2O0	4	0	5,551,510:10:0	
3689	0	160	10:29:22.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3534.91 +/- 8	2O0	4	0	5,551,510:12:1	
3690	0	160	10:29:22.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3534.91 +/- 8	2O0	4	0	5,551,510:12:1	
3691	0	160	10:29:24.733	411KS6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,551,510:15:0	
3692	0	160	10:31:26.066	411KS6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,551,512:15:0	
3693	0	160	10:31:26.733	411KS6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,551,512:16:0	
3694	0	160	10:31:26.733		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3563.96 +/- 8	2O0	4	0	5,551,512:16:0	
3695	0	160	10:31:27.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3564.02 +/- 8	2O0	4	0	5,551,512:17:8	
3696	0	160	17:21:46.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3564.02 +/- 8	2O0	4	0	5,551,918:00:0	
3697	0	160	17:21:46.733	411KT6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,551,918:00:0	
3698	0	160	17:21:53.400		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3564.02 +/- 8	2O0	4	0	5,551,918:10:0	
3699	0	160	17:21:54.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3564.14 +/- 8	2O0	4	0	5,551,918:12:1	
3700	0	160	17:21:54.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3564.14 +/- 8	2O0	4	0	5,551,918:12:1	
3701	0	160	17:21:56.733	411KT6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,551,918:15:0	
3702	0	160	17:23:58.066	411KT6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,551,920:15:0	
3703	0	160	17:23:58.733	411KT6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,551,920:16:0	
3704	0	160	17:23:58.733		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3593.18 +/- 8	2O0	4	0	5,551,920:16:0	
3705	0	160	17:23:59.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3593.24 +/- 8	2O0	4	0	5,551,920:17:8	
3706	0	160	19:32:33.400	488CE6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,552,047:31:0	
3707	0	160	19:42:40.066	488CE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,552,057:31:0	
3708	0	160	21:01:36.066	488CE6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,552,135:37:0	
3709	0	161	00:00:08.000	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	5,552,311:89:0	
3710	0	161	00:00:08.666	488CE6D	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,552,311:90:0	
3711	0	161	00:00:09.333	432ZL6A	6RTSL1		R/T Select of DDS and	2O0	4	0	5,552,312:00:0	
3712	0	161	00:05:12.000	20ZM6A	6EUVON			2O0	4	0	5,552,316:90:0	
3713	0	161	00:05:12.666	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2O0	4	0	5,552,317:00:0	
3714	0	161	02:04:32.000	488CF6A	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,552,435:01:0	
3715	0	161	03:34:08.000	488CF6B	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,552,523:57:0	
3716	0	161	04:12:32.000	488CF6C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,552,561:55:0	
3717	0	161	05:08:41.333	488CF6D	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,552,617:13:0	
3718	0	161	05:35:44.000	488CF6E	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,552,643:81:0	
3719	0	161	05:43:49.333	488CG6A	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,552,651:81:0	
3720	0	161	08:52:36.000	488CG6B	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,552,838:54:0	
3721	0	161	09:02:40.000	488CG6C	6TMSED	FILL,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,552,848:50:0	
3722	0	161	13:44:12.666	411LA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,553,127:00:0	
3723	0	161	13:44:12.666		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3593.24 +/- 8	2O0	4	0	5,553,127:00:0	
3724	0	161	13:44:19.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3593.24 +/- 8	2O0	4	0	5,553,127:10:0	
3725	0	161	13:44:20.733		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3593.36 +/- 8	2O0	4	0	5,553,127:12:1	
3726	0	161	13:44:20.733		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3593.36 +/- 8	2O0	4	0	5,553,127:12:1	
3727	0	161	13:44:22.666	411LA6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,553,127:15:0	
3728	0	161	13:46:24.000	411LA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,553,129:15:0	
3729	0	161	13:46:24.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3622.41 +/- 8	2O0	4	0	5,553,129:16:0	
3730	0	161	13:46:24.666	411LA6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,553,129:16:0	
3731	0	161	13:46:25.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3622.47 +/- 8	2O0	4	0	5,553,129:17:8	
3732	0	161	17:59:00.666	411LE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,553,379:00:0	
3733	0	161	17:59:00.666		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3622.47 +/- 8	2O0	4	0	5,553,379:00:0	
3734	0	161	17:59:07.333		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3622.47 +/- 8	2O0	4	0	5,553,379:10:0	
3735	0	161	17:59:08.733		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3622.59 +/- 8	2O0	4	0	5,553,379:12:1	
3736	0	161	17:59:08.733		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3622.59 +/- 8	2O0	4	0	5,553,379:12:1	
3737	0	161	17:59:10.666	411LE6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,553,379:15:0	
3738	0	161	18:01:12.000	411LE6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,553,381:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3739	0	161	18:01:12.666	411LE6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,553,381:16:0	
3740	0	161	18:01:12.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3651.64 +/- 8	2O0	4	0	5,553,381:16:0	
3741	0	161	18:01:13.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3651.70 +/- 8	2O0	4	0	5,553,381:17:8	
3742	0	161	21:04:29.333	488CH6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,553,562:40:0	
3743	0	162	02:00:16.000	488CH6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,553,854:88:0	
3744	0	162	03:29:52.000	488CI6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,553,943:53:0	
3745	0	162	04:06:08.000	488CI6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,553,979:41:0	
3746	0	162	05:03:38.666	488CI6C	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,554,036:30:0	
3747	0	162	05:29:20.000	488CI6D	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,554,061:67:0	
3748	0	162	05:38:30.000	488CI6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,554,070:73:0	
3749	0	162	13:54:55.933	488CJ6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,554,561:71:0	
3750	0	162	15:10:35.266	488CJ6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,554,636:55:0	
3751	0	162	19:27:39.266	488CJ6C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,554,890:77:0	
3752	0	162	19:36:15.933	488CJ6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,554,899:33:0	
3753	0	162	21:01:35.933	488CK6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,554,983:69:0	
3754	0	163	01:53:51.933	488CK6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,555,272:74:0	
3755	0	163	03:23:27.933	488CL6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,555,361:39:0	
3756	0	163	03:53:19.933	488CL6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,555,390:88:0	
3757	0	163	04:16:47.933	488CL6C	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,555,414:16:0	
3758	0	163	14:58:55.933	488CM6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,556,049:23:0	
3759	0	163	15:10:28.600	488CM6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,556,060:61:0	
3760	0	163	15:20:15.933	488CM6C	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,556,070:32:0	
3761	0	163	19:26:43.200	488CM6D	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,556,314:09:0	
3762	0	163	19:42:39.866	488CM6E	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,556,329:79:0	
3763	0	163	20:43:34.533	488CN6A	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,556,390:10:0	
3764	0	163	21:10:07.866	488CN6B	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,556,416:34:0	
3765	0	163	21:18:36.533	488CN6C	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,556,424:69:0	
3766	0	164	01:49:35.866	488CN6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,556,692:70:0	
3767	0	164	02:50:23.200	488CO6A	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,556,752:81:0	
3768	0	164	02:59:59.866	488CO6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,556,762:36:0	
3769	0	164	03:31:43.866	488CO6C	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,556,793:71:0	
3770	0	164	03:36:15.866	488CO6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,556,798:24:0	
3771	0	164	04:16:47.866	488CO6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,556,838:32:0	
3772	0	164	04:30:38.533	488CP6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,556,852:04:0	
3773	0	164	04:59:55.200	411LB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,556,881:00:0	
3774	0	164	04:59:55.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3651.70 +/- 8	2O0	4	0	5,556,881:00:0	
3775	0	164	05:00:01.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3651.70 +/- 8	2O0	4	0	5,556,881:10:0	
3776	0	164	05:00:03.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3651.82 +/- 8	2O0	4	0	5,556,881:12:1	
3777	0	164	05:00:03.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3651.82 +/- 8	2O0	4	0	5,556,881:12:1	
3778	0	164	05:00:05.200	411LB6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,556,881:15:0	
3779	0	164	05:02:06.533	411LB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,556,883:15:0	
3780	0	164	05:02:07.200	411LB6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,556,883:16:0	
3781	0	164	05:02:07.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3680.86 +/- 8	2O0	4	0	5,556,883:16:0	
3782	0	164	05:02:08.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3680.92 +/- 8	2O0	4	0	5,556,883:17:8	
3783	0	164	05:04:17.200	488CP6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,556,885:29:0	
3784	0	164	13:41:39.200	488CQ6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,557,397:00:0	
3785	0	164	13:48:31.866	488CQ6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,557,403:73:0	
3786	0	164	19:09:15.200	411KU6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,557,721:00:0	
3787	0	164	19:09:15.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3680.92 +/- 8	2O0	4	0	5,557,721:00:0	
3788	0	164	19:09:21.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3680.92 +/- 8	2O0	4	0	5,557,721:10:0	
3789	0	164	19:09:23.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3681.04 +/- 8	2O0	4	0	5,557,721:12:1	
3790	0	164	19:09:23.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3681.04 +/- 8	2O0	4	0	5,557,721:12:1	
3791	0	164	19:09:25.200	411KU6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,557,721:15:0	
3792	0	164	19:11:26.533	411KU6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,557,723:15:0	
3793	0	164	19:11:27.200	411KU6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,557,723:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3794	0	164	19:11:27.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3710.09 +/- 8	2O0	4	0	5,557,723:16:0	
3795	0	164	19:11:28.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3710.15 +/- 8	2O0	4	0	5,557,723:17:8	
3796	0	165	00:23:42.533	411LC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,558,032:00:0	
3797	0	165	00:23:42.533		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3710.15 +/- 8	2O0	4	0	5,558,032:00:0	
3798	0	165	00:23:49.200		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3710.15 +/- 8	2O0	4	0	5,558,032:10:0	
3799	0	165	00:23:50.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3710.27 +/- 8	2O0	4	0	5,558,032:12:1	
3800	0	165	00:23:50.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3710.27 +/- 8	2O0	4	0	5,558,032:12:1	
3801	0	165	00:23:52.533	411LC6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,558,032:15:0	
3802	0	165	00:25:53.866	411LC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,558,034:15:0	
3803	0	165	00:25:54.533	411LC6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,558,034:16:0	
3804	0	165	00:25:54.533		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3739.32 +/- 8	2O0	4	0	5,558,034:16:0	
3805	0	165	00:25:55.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3739.38 +/- 8	2O0	4	0	5,558,034:17:8	
3806	0	165	03:51:46.533	488CR6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,558,237:71:0	
3807	0	165	04:01:51.866	488CR6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,558,247:69:0	
3808	0	165	05:18:29.800	488CR6C	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,558,323:50:0	
3809	0	165	05:44:15.800	488CR6D	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,558,349:03:0	
3810	0	165	05:53:21.800	488CR6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,558,358:03:0	
3811	0	165	10:59:59.800	481UG4A	7VECT	BB1	Inert vect update UTC	2O0	4	0	5,558,661:27:0	
3812	0	165	13:33:35.800	488CS6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,558,813:19:0	
3813	0	165	14:55:33.800	488CS6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,558,894:25:0	
3814	0	165	15:05:19.800	488CS6C	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,558,903:85:0	
3815	0	165	17:34:01.800	411LD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,559,051:00:0	
3816	0	165	17:34:01.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3739.38 +/- 8	2O0	4	0	5,559,051:00:0	
3817	0	165	17:34:08.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3739.38 +/- 8	2O0	4	0	5,559,051:10:0	
3818	0	165	17:34:09.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3739.50 +/- 8	2O0	4	0	5,559,051:12:1	
3819	0	165	17:34:09.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3739.50 +/- 8	2O0	4	0	5,559,051:12:1	
3820	0	165	17:34:11.800	411LD6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,559,051:15:0	
3821	0	165	17:36:13.133	411LD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,559,053:15:0	
3822	0	165	17:36:13.800	411LD6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,559,053:16:0	
3823	0	165	17:36:13.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3768.54 +/- 8	2O0	4	0	5,559,053:16:0	
3824	0	165	17:36:15.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3768.60 +/- 8	2O0	4	0	5,559,053:17:8	
3825	0	165	19:21:49.133	488CS6D	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,559,157:55:0	
3826	0	165	19:36:15.800	488CT6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,559,171:81:0	
3827	0	165	20:38:27.800	488CT6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,559,233:37:0	
3828	0	165	21:10:07.133	488CT6C	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,559,264:65:0	
3829	0	165	21:14:30.466	488CT6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,559,269:05:0	
3830	0	165	22:57:33.800	432JD6B	6RTDS2	NIMNCG,AACDSL,RT	AACS DESELECT	2O0	4	0	5,559,370:89:0	
3831	0	165	22:57:58.466	488CT6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,559,371:35:0	
3832	0	165	22:59:59.800		DMS:	: READY	RDY, TRACK 3, FWD, TIC 3768.60 +/- 8	2O0	4	0	5,559,373:35:0	
3833	**0**	**165**	**23:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,559,373:35:3**	
3834	**0**	**165**	**23:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**5,559,373:35:3**	
3835	**0**	**165**	**23:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,559,373:35:3**	
3836	**0**	**165**	**23:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**5,559,373:35:3**	
3837	**0**	**165**	**23:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**5,559,373:35:3**	
3838	**0**	**165**	**23:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,559,373:35:3**	
3839	**0**	**165**	**23:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,559,373:35:3**	
3840	**0**	**165**	**23:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,559,373:35:3**	
3841	**0**	**165**	**23:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**5,559,373:35:3**	

			Sequence:	G28B-AR		Created: 4/6/01	Begin: 00-165/23:00:00 Finish: 00-227/04:00:00				
Line	**YR**	**DOY**	**SCET - GMT**	**PSID**	**Command**	**Parameters**	**Description**	**GCM**	**GO**	**GS**	**RIM MF I**
1	0	165	22:59:59.800		DMS:	: READY	RDY, TRACK 3, FWD, TIC 3768.60 +/- 8	2O0	4	0	5,559,373:35:0
2	**0**	**165**	**23:00:00.000**	**20A3FF**	**40T2R**	**CMD,40T2R,20A3FF**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**5,559,373:35:3**
3	**0**	**165**	**23:00:00.000**	**20A3EW**	**37A**	**CMD,37A,20A3EW,,**	**NIMS Power ON**	**2O0**	**4**	**0**	**5,559,373:35:3**
4	**0**	**165**	**23:00:00.000**	**20A3EX**	**37HR**	**CMD,37HR,20A3EX,**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**5,559,373:35:3**
5	**0**	**165**	**23:00:00.000**	**20A3EY**	**37C1PR**	**CMD,37C1PR,20A3E**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,559,373:35:3**
6	**0**	**165**	**23:00:00.000**	**20A3EZ**	**37C2PR**	**CMD,37C2PR,20A3E**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**5,559,373:35:3**
7	**0**	**165**	**23:00:00.000**	**20A3FA**	**37F1PR**	**CMD,37F1PR,20A3F**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,559,373:35:3**
8	**0**	**165**	**23:00:00.000**	**20A3FB**	**37F2PR**	**CMD,37F2PR,20A3F**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,559,373:35:3**
9	**0**	**165**	**23:00:00.000**	**20A3FD**	**40HRPR**	**CMD,40HRPR,20A3F**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,559,373:35:3**
10	**0**	**165**	**23:00:00.000**	**20A3FE**	**40T1PR**	**CMD,40T1PR,20A3F**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,559,373:35:3**
11	0	165	23:01:03.800	488AA6A	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,559,374:40:0
12	0	165	23:01:37.133	432MB431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	5,559,374:90:0
13	0	165	23:01:37.800	432MB6A	6RTSL1		R/T Select of DDS and	2O0	4	0	5,559,375:00:0
14	0	165	23:02:13.133	488AA6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,559,375:53:0
15	0	165	23:27:55.133		DMS:	: *SLEW-TIC	P7, TRACK *2, *REV, TIC 3768.60 +/- 8	2O0	4	0	5,559,401:00:0
16	0	165	23:27:55.133	465SX6A	6DMST	325	DMS Slew to TIC	2O0	4	0	5,559,401:00:0
17	0	165	23:27:55.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3768.60 +/- 8	2O0	4	0	5,559,401:00:0
18	0	165	23:27:56.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3768.72 +/- 8	2O0	4	0	5,559,401:02:1
19	0	165	23:28:01.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3769.96 +/- 8	2O0	4	0	5,559,401:10:0
20	0	165	23:28:03.000		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC *3770.02 +/- 8	2O0	4	0	5,559,401:11:8
21	0	165	23:28:04.400		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC *3769.90 +/- 8	2O0	4	0	5,559,401:13:9
22	0	166	01:19:43.800	488AA6C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,559,511:53:0
23	0	166	02:45:45.800	488AA6D	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,559,596:61:0
24	0	166	02:57:51.800	488AA6E	6TMSED	FILL,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,559,608:58:0
25	0	166	03:32:52.600		DMS:	: *RUNDOWN	P7, TRACK 2, REV, TIC * 327.06 +/- 8	2O0	4	0	5,559,643:24:2
26	0	166	03:32:53.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 327.00 +/- 8	2O0	4	0	5,559,643:26:0
27	0	166	06:24:29.800		DMS:	: READY	RDY, TRACK *4, REV, TIC 327.00 +/- 8	2O0	4	0	5,559,813:00:0
28	0	166	06:24:29.800	465KA6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,559,813:00:0
29	0	166	06:26:24.466	465SY6A	6DTRN	CMD,6DTRN,465SY6	DMS TRACK TURNAROUND	2O0	4	0	5,559,814:81:0
30	0	166	06:26:24.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 327.00 +/- 8	2O0	4	0	5,559,814:81:0
31	0	166	06:26:24.466		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 327.00 +/- 8	2O0	4	0	5,559,814:81:0
32	0	166	06:26:25.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 327.12 +/- 8	2O0	4	0	5,559,814:83:1
33	0	166	06:26:31.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 328.35 +/- 8	2O0	4	0	5,559,815:00:0
34	0	166	06:26:32.333		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 328.41 +/- 8	2O0	4	0	5,559,815:01:8
35	0	166	06:26:33.733		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 328.29 +/- 8	2O0	4	0	5,559,815:03:9
36	0	166	06:35:41.600		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/- 8	2O0	4	0	5,559,824:06:7
37	0	166	06:35:42.800		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/- 8	2O0	4	0	5,559,824:08:5
38	0	166	06:35:42.800		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 8	2O0	4	0	5,559,824:08:5
39	0	166	06:35:44.200		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	5,559,824:10:6
40	0	166	06:35:56.200		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	5,559,824:28:6
41	0	166	06:35:57.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	5,559,824:30:4
42	0	166	15:02:11.066	465VA6A	6DMST	5000	DMS Slew to TIC	2O0	4	0	5,560,325:00:0
43	0	166	15:02:11.066		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,560,325:00:0
44	0	166	15:02:11.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,560,325:00:0
45	0	166	15:02:11.066		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,560,325:00:0
46	0	166	15:02:17.733		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,560,325:10:0
47	0	166	15:02:19.133		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	2O0	4	0	5,560,325:12:1
48	0	166	20:43:19.866		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	2O0	4	0	5,560,662:36:2
49	0	166	20:43:21.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	2O0	4	0	5,560,662:38:0
50	0	166	20:55:52.400	465VB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,560,674:73:0
51	0	166	20:55:52.400		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	2O0	4	0	5,560,674:73:0
52	0	166	20:55:53.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	2O0	4	0	5,560,674:75:1
53	0	166	20:55:59.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	2O0	4	0	5,560,674:83:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	0	166	20:56:00.266		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	2O0	4	0	5,560,674:84:8	
55	0	166	20:56:04.133		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	2O0	4	0	5,560,674:90:6	
56	0	166	20:56:04.133		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	2O0	4	0	5,560,674:90:6	
57	0	166	21:21:44.400		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	2O0	4	0	5,560,700:35:0	
58	0	166	21:21:44.400	465VB6B	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,560,700:35:0	
59	0	166	21:21:45.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	2O0	4	0	5,560,700:36:8	
60	0	166	21:44:45.733	488AB6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,560,723:14:0	
61	0	166	23:21:33.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	2O0	4	0	5,560,818:81:0	
62	0	166	23:21:33.733	465VC6A	6DTRN	CMD,6DTRN,465VC6	DMS TRACK TURNAROUND	2O0	4	0	5,560,818:81:0	
63	0	166	23:21:33.733		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	2O0	4	0	5,560,818:81:0	
64	0	166	23:21:35.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	2O0	4	0	5,560,818:83:1	
65	0	166	23:21:40.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	2O0	4	0	5,560,819:00:0	
66	0	166	23:21:41.600		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	2O0	4	0	5,560,819:01:8	
67	0	166	23:21:43.000		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	2O0	4	0	5,560,819:03:9	
68	0	166	23:25:09.066	488AB6B	6TMSED	NORM,CH5	Sci, Eng, and D/L Chan	2O0	4	0	5,560,822:40:0	
69	0	166	23:25:43.666		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	5,560,823:00:9	
70	0	166	23:25:44.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	5,560,823:02:7	
71	0	166	23:25:44.866		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	5,560,823:02:7	
72	0	166	23:25:46.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	5,560,823:04:8	
73	0	166	23:25:58.266		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	5,560,823:22:8	
74	0	166	23:25:59.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	5,560,823:24:6	
75	0	166	23:31:36.400	465VD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,560,828:75:0	
76	0	166	23:31:36.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,560,828:75:0	
77	0	166	23:31:43.066		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,560,828:85:0	
78	0	166	23:31:46.933		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	2O0	4	0	5,560,828:90:8	
79	0	166	23:31:46.933		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	2O0	4	0	5,560,828:90:8	
80	0	167	00:03:30.400	465VD6B	6DMSC	RDY,1	DMS Control Tape stop	2O0	4	0	5,560,860:34:0	
81	0	167	00:03:30.400		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	2O0	4	0	5,560,860:34:0	
82	0	167	00:03:31.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	2O0	4	0	5,560,860:35:8	
83	0	167	00:19:06.400		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	2O0	4	0	5,560,875:73:0	
84	0	167	00:19:06.400	465VE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,560,875:73:0	
85	0	167	00:19:07.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	2O0	4	0	5,560,875:75:1	
86	0	167	00:19:13.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	2O0	4	0	5,560,875:83:0	
87	0	167	00:19:14.266		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	2O0	4	0	5,560,875:84:8	
88	0	167	00:19:18.133		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	2O0	4	0	5,560,875:90:6	
89	0	167	00:19:18.133		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	2O0	4	0	5,560,875:90:6	
90	0	167	00:51:14.400	465VF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,560,907:53:0	
91	0	167	00:51:14.400		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	2O0	4	0	5,560,907:53:0	
92	0	167	00:51:15.600		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	2O0	4	0	5,560,907:54:8	
93	0	167	00:51:19.466		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	2O0	4	0	5,560,907:60:6	
94	0	167	00:51:19.466		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	2O0	4	0	5,560,907:60:6	
95	0	167	01:15:27.733	488AB6C	6TMSED	NORM,CH4	Sci, Eng, and D/L Chan	2O0	4	0	5,560,931:49:0	
96	0	167	01:23:15.066	465VF6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	5,560,939:22:0	
97	0	167	01:23:15.066		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	2O0	4	0	5,560,939:22:0	
98	0	167	01:23:16.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	2O0	4	0	5,560,939:23:8	
99	0	167	01:37:58.400	465VG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,560,953:73:0	
100	0	167	01:37:58.400		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	2O0	4	0	5,560,953:73:0	
101	0	167	01:37:59.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	2O0	4	0	5,560,953:75:1	
102	0	167	01:38:05.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	2O0	4	0	5,560,953:83:0	
103	0	167	01:38:06.266		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	2O0	4	0	5,560,953:84:8	
104	0	167	01:38:10.133		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	2O0	4	0	5,560,953:90:6	
105	0	167	01:38:10.133		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	2O0	4	0	5,560,953:90:6	
106	0	167	01:47:29.066	488AB6D	6TMSED	FILL,CH4	Sci, Eng, and D/L Chan	2O0	4	0	5,560,963:19:0	
107	0	167	01:53:51.733	488AB6E	6TMSED	FILL,CH3	Sci, Eng, and D/L Chan	2O0	4	0	5,560,969:47:0	
108	0	167	02:10:05.733		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	2O0	4	0	5,560,985:52:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	0	167	02:10:05.733	465VH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,560,985	52:0
110	0	167	02:10:06.933		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	2O0	4	0	5,560,985	53:8
111	0	167	02:10:10.800		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	2O0	4	0	5,560,985	59:6
112	0	167	02:10:10.800		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	2O0	4	0	5,560,985	59:6
113	0	167	02:11:11.733	465VH6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	5,560,986	60:0
114	0	167	02:11:11.733		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	2O0	4	0	5,560,986	60:0
115	0	167	02:11:12.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	2O0	4	0	5,560,986	61:8
116	0	167	02:11:59.066	488AC6A	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,560,987	40:0
117	0	167	02:25:41.733		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	2O0	4	0	5,561,001	00:0
118	0	167	02:25:41.733	465VI6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,561,001	00:0
119	0	167	02:26:35.733		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	2O0	4	0	5,561,001	81:0
120	0	167	02:26:35.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	2O0	4	0	5,561,001	81:0
121	0	167	02:26:35.733	465VJ6A	6DTRN	CMD,6DTRN,465VJ6	DMS TRACK TURNAROUND	2O0	4	0	5,561,001	81:0
122	0	167	02:26:37.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	2O0	4	0	5,561,001	83:1
123	0	167	02:26:42.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	2O0	4	0	5,561,002	00:0
124	0	167	02:26:43.600		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	2O0	4	0	5,561,002	01:8
125	0	167	02:26:45.000		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	2O0	4	0	5,561,002	03:9
126	0	167	02:38:10.800		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	5,561,013	31:6
127	0	167	02:38:12.000		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	5,561,013	33:4
128	0	167	02:38:12.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	5,561,013	33:4
129	0	167	02:38:13.400		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	5,561,013	35:5
130	0	167	02:38:25.400		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	5,561,013	53:5
131	0	167	02:38:26.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	5,561,013	55:3
132	0	167	02:58:53.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,561,033	75:0
133	0	167	02:58:53.066	465SZ6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,561,033	75:0
134	0	167	02:58:59.733		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,561,033	85:0
135	0	167	02:59:03.600		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	2O0	4	0	5,561,033	90:8
136	0	167	02:59:03.600		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	2O0	4	0	5,561,033	90:8
137	0	167	03:18:31.066		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *3798.95 +/-	2O0	4	0	5,561,053	22:0
138	0	167	03:18:31.066	465SZ6B	6DMSC	RDY,1	DMS Control Tape stop	2O0	4	0	5,561,053	22:0
139	0	167	03:18:32.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3799.75 +/-	2O0	4	0	5,561,053	23:8
140	0	167	03:24:20.400	465KB6A	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	5,561,059	00:0
141	0	167	03:24:20.400		DMS:	: READY	RDY, TRACK *3, FWD, TIC 3799.75 +/-	2O0	4	0	5,561,059	00:0
142	0	167	03:27:03.733	20SG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,561,061	63:0
143	0	167	03:27:53.733	20SG4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,561,062	47:0
144	0	167	03:29:23.733	176SA6A	6TMREC	**IPB**	INITIATE PLAYBACK (PB CONTROL) Record Mod	2O0	4	0	5,561,064	00:0
145	0	167	03:47:53.733	488AC6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,561,082	27:0
146	0	167	04:16:47.733	488AC6C	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,561,110	80:0
147	0	167	08:27:25.733	488AD6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,561,358	69:0
148	0	167	08:34:55.733	488AD6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,561,366	16:0
149	0	167	19:26:55.733	488AE6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,562,011	01:0
150	0	167	19:42:39.733	488AE6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,562,026	52:0
151	0	167	20:53:21.733	488AE6C	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,562,096	45:0
152	0	167	21:27:11.733	488AE6D	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,562,129	87:0
153	0	167	21:29:51.066	488AE6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,562,132	53:0
154	0	168	01:00:31.666	488AF6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,562,340	86:0
155	0	168	01:35:52.333	488AF6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,562,375	82:0
156	0	168	01:47:27.666	488AF6C	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,562,387	33:0
157	0	168	05:26:36.333	488AF6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,562,604	09:0
158	0	168	14:12:59.000	488AG6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,563,124	63:0
159	0	168	20:11:38.333	488AG6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,563,479	37:0
160	0	168	21:16:31.666	488AH6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,563,543	53:0
161	0	169	01:00:31.666	488AH6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,563,765	11:0
162	0	169	02:37:32.333	488AH6C	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,563,861	06:0
163	0	169	02:45:03.666	488AH6D	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,563,868	46:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	0	169	03:21:59.666	488AI6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,563,905:03:0	
165	0	169	03:27:43.666	488AI6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,563,910:64:0	
166	0	169	04:12:31.666	488AI6C	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,563,955:01:0	
167	0	169	14:29:03.600	488AJ6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,564,564:70:0	
168	0	169	14:55:57.600	488AJ6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,564,591:34:0	
169	0	169	19:08:02.266	488AJ6C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,564,840:62:0	
170	0	169	19:17:03.600	488AJ6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,564,849:55:0	
171	0	169	21:22:55.600	488AK6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,564,974:08:0	
172	0	170	00:54:07.600	488AK6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,565,182:88:0	
173	0	170	02:32:35.600	488AK6C	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,565,280:32:0	
174	0	170	02:38:39.600	488AK6D	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,565,286:32:0	
175	0	170	05:23:03.600	488AL6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,565,448:86:0	
176	0	170	06:03:27.600	488AL6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,565,488:82:0	
177	0	170	06:55:16.933	488AL6C	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,565,540:14:0	
178	0	170	07:28:56.266	488AL6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,565,573:40:0	
179	0	170	12:29:35.600	488AM6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,565,870:72:0	
180	0	170	13:00:00.266	481UB4A	7VECT	BB1	Inert vect update UTC	2O0	4	0	5,565,900:79:0	
181	0	170	14:35:27.600	488AM6B	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,565,995:25:0	
182	0	170	14:49:47.600	488AM6C	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,566,009:41:0	
183	0	170	15:07:27.600	488AM6D	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,566,026:84:0	
184	0	170	19:03:05.600	488AN6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,566,259:88:0	
185	0	170	19:17:03.600	488AN6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,566,273:71:0	
186	0	170	21:22:55.533	488AN6C	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,566,398:24:0	
187	0	170	23:59:22.866	431MB6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	2O0	4	0	5,566,553:00:0	
188	0	171	00:45:35.533	488AN6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,566,598:64:0	
189	0	171	02:31:54.200	488AO6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,566,703:77:0	
190	0	171	02:38:39.533	488AO6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,566,710:48:0	
191	0	171	03:07:08.200	488AO6C	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,566,738:63:0	
192	0	171	03:23:27.533	488AO6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,566,754:76:0	
193	0	171	04:12:31.533	488AO6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,566,803:33:0	
194	0	171	12:22:22.866	488AP6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,567,287:76:0	
195	0	171	12:29:35.533	488AP6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,567,294:88:0	
196	0	172	03:07:10.866	488AQ6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,568,162:83:0	
197	0	172	03:23:27.533	488AQ6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,568,179:01:0	
198	0	172	04:12:31.533	488AQ6C	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,568,227:49:0	
199	0	172	14:11:48.133	488AR6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,568,820:21:0	
200	0	172	14:14:07.466	488AR6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,568,822:48:0	
201	0	172	18:58:13.466	488AR6C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,569,103:46:0	
202	0	172	19:12:47.466	488AR6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,569,117:83:0	
203	0	172	21:33:35.466	488AS6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,569,257:15:0	
204	0	172	23:49:47.466	488AS6B	6TMSED	FILL,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,569,391:79:0	
205	0	172	23:54:23.466	488AS6C	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,569,396:38:0	
206	0	173	18:57:18.066	488AT6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,570,526:70:0	
207	0	173	19:38:23.400	488AT6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,570,567:37:0	
208	0	173	20:17:59.400	488AT6C	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,570,606:52:0	
209	0	173	20:55:03.400	488AT6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,570,643:21:0	
210	0	173	22:41:51.400	488AT6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,570,748:78:0	
211	0	173	23:05:19.400	488AU6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,570,772:06:0	
212	0	174	00:11:14.733	488AU6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,570,837:24:0	
213	0	174	18:53:21.400	488AV6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,571,947:04:0	
214	0	174	19:08:31.400	488AV6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,571,962:04:0	
215	0	174	21:42:07.400	488AV6C	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,572,113:87:0	
216	0	174	23:26:18.733	176UW6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,572,217:00:0	
217	0	174	23:32:00.066	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,572,222:57:0	
218	0	174	23:33:00.066	20UQ4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2O0	4	0	5,572,223:56:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	0	174	23:35:00.066	20UQ4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	5,572,225	54:0
220	0	174	23:40:30.066	20UQ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	5,572,231	03:0
221	0	174	23:40:30.733	20UQ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	5,572,231	04:0
222	0	174	23:40:50.733	20UQ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	5,572,231	34:0
223	0	174	23:40:51.400	20UQ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	5,572,231	35:0
224	0	174	23:41:11.400	20UQ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,572,231	65:0
225	0	174	23:41:12.066	20UQ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,572,231	66:0
226	0	174	23:41:22.066	20UQ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,572,231	81:0
227	0	174	23:41:22.733	20UQ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,572,231	82:0
228	0	174	23:41:32.733	20UQ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	5,572,232	06:0
229	0	174	23:41:33.400	20UQ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	5,572,232	07:0
230	0	174	23:43:20.066	20UQ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	5,572,233	76:0
231	0	174	23:43:20.733	20UQ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	5,572,233	77:0
232	0	174	23:43:40.733	20UQ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	5,572,234	16:0
233	0	174	23:43:41.400	20UQ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	5,572,234	17:0
234	0	174	23:44:01.400	20UQ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,572,234	47:0
235	0	174	23:44:02.066	20UQ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,572,234	48:0
236	0	174	23:44:12.066	20UQ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,572,234	63:0
237	0	174	23:44:12.733	20UQ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,572,234	64:0
238	0	174	23:44:22.733	20UQ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	5,572,234	79:0
239	0	174	23:44:23.400	20UQ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	5,572,234	80:0
240	0	174	23:45:20.066	20UQ4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,572,235	74:0
241	0	175	00:00:47.400	488AV6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,572,251	09:0
242	0	175	00:10:04.066	20UW4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,572,260	25:0
243	0	175	00:10:54.066	20UW4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,572,261	09:0
244	0	175	00:12:49.400	176UX6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,572,263	00:0
245	0	175	00:42:38.066	488AV6E	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,572,292	44:0
246	0	175	00:49:51.400	488AW6A	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,572,299	57:0
247	0	175	03:12:22.666	488AW6B	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,572,440	53:0
248	0	175	03:17:03.333	488AW6C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,572,445	19:0
249	0	175	04:08:15.333	488AW6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,572,495	77:0
250	0	175	10:57:58.666	488AX6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,572,901	06:0
251	0	175	11:04:15.333	488AX6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,572,907	25:0
252	0	175	18:48:25.333	488AY6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,573,366	31:0
253	0	175	19:08:31.333	488AY6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,573,386	20:0
254	0	175	19:23:00.000	488AY6C	6TMSED	NORM,CH4	Sci, Eng, and D/L Chan	2O0	4	0	5,573,400	49:0
255	0	175	19:26:30.000	176UE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,573,404	00:0
256	0	175	19:53:30.000	20SP4I	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	5,573,430	64:0
257	0	175	20:08:30.000	20SP4K	7SLEW	INIT,POS,17.45	Stator movement	2O0	4	0	5,573,445	49:0
258	0	175	20:20:30.000	20SP4L	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,573,457	37:0
259	0	175	20:27:30.000	20SP4M	7SLEW	INIT,NEG,17.45	Stator movement	2O0	4	0	5,573,464	30:0
260	0	175	20:39:30.000	20SP4N	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,573,476	18:0
261	0	175	20:46:30.000	20SP4O	7SLEW	INIT,POS,4.36	Stator movement	2O0	4	0	5,573,483	11:0
262	0	175	20:58:30.000	20SP4P	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,573,494	90:0
263	0	175	21:05:30.000	20SP4Q	7SLEW	INIT,NEG,4.36	Stator movement	2O0	4	0	5,573,501	83:0
264	0	175	21:17:30.000	20SP4R	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,573,513	71:0
265	0	175	21:29:30.000	20SP4AH	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,573,525	59:0
266	0	175	21:42:07.333	488AY6D	6TMSED	NORM,CH5	Sci, Eng, and D/L Chan	2O0	4	0	5,573,538	12:0
267	0	175	21:45:00.000	488AY6E	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,573,540	89:0
268	0	175	21:45:04.000	20UP4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,573,541	04:0
269	0	175	21:45:54.000	20UP4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,573,541	79:0
270	0	175	21:47:02.666	176UF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,573,543	00:0
271	0	175	23:50:07.333	488AZ6A	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,573,664	66:0
272	0	176	02:30:07.333	488AZ6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,573,822	88:0
273	0	176	02:46:22.666	488AZ6C	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,573,839	04:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	0	176	03:58:26.666	488AZ6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,573,910	29:0
275	0	176	04:17:49.333	488AZ6E	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,573,929	44:0
276	0	176	04:54:53.333	488BA6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,573,966	13:0
277	0	176	07:13:51.333	488BA6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,574,103	53:0
278	0	176	10:28:03.333	488BA6C	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,574,295	59:0
279	0	176	10:34:23.333	488BA6D	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,574,301	83:0
280	0	176	18:48:29.266	488BB6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,574,790	53:0
281	0	176	19:08:31.266	488BB6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,574,810	36:0
282	0	176	21:48:31.266	488BB6C	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,574,968	58:0
283	0	176	23:39:27.266	488BB6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,575,078	32:0
284	0	177	02:25:51.266	488BC6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,575,242	84:0
285	0	177	02:43:45.266	488BC6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,575,260	57:0
286	0	177	02:49:19.266	488BC6C	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,575,266	12:0
287	0	177	03:04:15.266	488BC6D	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,575,280	82:0
288	0	177	06:17:11.266	488BC6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,575,471	65:0
289	0	177	11:43:29.266	488BD6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,575,794	39:0
290	0	177	11:51:11.266	488BD6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,575,802	04:0
291	0	177	18:43:33.266	488BE6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,576,209	80:0
292	0	177	19:02:07.266	488BE6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,576,228	22:0
293	0	177	21:57:03.266	488BE6C	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2O0	4	0	5,576,401	23:0
294	0	177	23:30:55.200	488BE6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,576,494	08:0
295	0	178	00:12:47.866	488BE6E	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,576,535	46:0
296	0	178	00:19:59.200	488BF6A	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,576,542	56:0
297	0	178	02:47:35.866	488BF6B	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,576,688	55:0
298	0	178	03:08:31.200	488BF6C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,576,709	27:0
299	0	178	04:03:59.200	488BF6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,576,764	14:0
300	0	178	10:18:14.533	488BG6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,577,134	27:0
301	0	178	10:25:51.200	488BG6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,577,141	75:0
302	0	179	19:32:43.133	488BH6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,579,106	78:0
303	0	179	19:38:23.133	488BH6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,579,112	42:0
304	0	179	20:57:34.466	488BH6C	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,579,190	71:0
305	0	179	21:34:38.466	488BH6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,579,227	40:0
306	0	179	23:36:39.800	488BH6E	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,579,348	11:0
307	0	180	18:53:46.466	488BI6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,580,492	47:0
308	0	180	19:02:07.133	488BI6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,580,500	70:0
309	0	181	01:03:30.400	488BJ6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,580,858	17:0
310	0	181	01:11:11.066	488BJ6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,580,865	71:0
311	0	181	18:37:51.733	488BK6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2O0	4	0	5,581,900	87:0
312	0	181	19:27:43.066	488BK6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,581,950	24:0
313	0	181	19:52:25.733	488BK6C	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,581,974	64:0
314	0	181	20:29:29.733	488BK6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,582,011	33:0
315	0	182	00:41:48.400	488BL6A	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	2O0	4	0	5,582,260	82:0
316	0	182	00:54:07.066	488BL6B	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2O0	4	0	5,582,273	07:0
317	0	182	01:03:07.066	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	5,582,281	89:0
318	0	182	01:06:17.733	20YC6A	6HICON			2O0	4	0	5,582,285	11:0
319	0	182	01:07:11.066	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2O0	4	0	5,582,286	00:0
320	0	182	01:59:59.733	488BL6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,582,338	21:0
321	0	182	06:17:33.666	488BL6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,582,592	88:0
322	0	182	13:25:03.000	488BM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,583,015	69:0
323	0	182	14:20:31.000	488BM6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,583,070	56:0
324	0	182	14:20:42.333	488BM6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,583,070	73:0
325	0	182	14:37:35.000	488BM6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,583,087	45:0
326	0	182	18:43:56.333	488BM6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,583,331	13:0
327	0	182	18:53:35.000	488BN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,583,340	62:0
328	0	183	01:55:37.000	488BO6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,583,758	07:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	0	183	02:00:15.000	488BO6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,583,762:60:0	
330	0	183	02:52:57.666	488BO6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,583,814:72:0	
331	0	183	03:49:03.000	488BO6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,583,870:24:0	
332	0	183	04:07:18.333	488BO6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,583,888:29:0	
333	0	183	04:44:22.333	488BP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,583,924:89:0	
334	0	183	13:31:27.000	488BQ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,584,446:24:0	
335	0	183	14:20:42.333	488BQ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,584,494:89:0	
336	0	183	14:37:35.000	488BQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,584,511:61:0	
337	0	183	20:47:41.600	488BR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,584,877:65:0	
338	0	184	01:55:58.933	488BR6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,585,182:56:0	
339	0	184	02:16:31.600	488BR6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,585,202:85:0	
340	0	184	02:25:50.933	488BR6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,585,212:14:0	
341	0	184	02:48:02.933	488BS6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,585,234:10:0	
342	0	184	03:49:02.933	488BS6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,585,294:40:0	
343	0	184	03:52:14.266	488BS6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,585,297:54:0	
344	0	184	04:29:18.266	488BS6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,585,334:23:0	
345	0	184	09:56:59.600	488BT6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,585,658:31:0	
346	0	184	10:08:46.933	488BT6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,585,670:00:0	
347	0	184	19:52:45.600	488BU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,586,247:51:0	
348	0	185	01:33:36.200	488BU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,586,584:60:0	
349	0	185	01:41:02.866	488BU6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,586,592:02:0	
350	0	185	02:28:08.200	488BV6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,586,638:54:0	
351	0	185	02:53:34.866	488BV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,586,663:69:0	
352	0	185	04:03:58.866	488BV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,586,733:35:0	
353	0	185	13:43:24.866	488BW6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,587,306:41:0	
354	0	185	13:50:38.866	488BW6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,587,313:55:0	
355	0	186	02:28:12.866	488BX6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,588,062:77:0	
356	0	186	02:53:34.866	488BX6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,588,087:85:0	
357	0	186	04:03:58.866	488BX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,588,157:51:0	
358	0	186	11:33:23.466	488BY6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,588,602:03:0	
359	0	186	11:40:30.800	488BY6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,588,609:07:0	
360	0	186	18:33:16.133	488BZ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,589,017:27:0	
361	0	186	19:34:06.800	488BZ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,589,077:43:0	
362	0	186	19:37:01.466	488BZ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,589,080:32:0	
363	0	186	20:14:05.466	488BZ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,589,117:01:0	
364	0	187	00:56:14.800	488CA6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,589,396:06:0	
365	0	187	01:20:59.466	488CA6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,589,420:49:0	
366	0	187	01:38:54.800	488CA6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,589,438:24:0	
367	0	187	10:24:18.800	488CB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,589,957:81:0	
368	0	187	10:57:50.800	488CB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,589,991:05:0	
369	**0**	**187**	**11:00:53.466**	**28NNRCTRLT01-**		**-----START------**		**2O0**	**4**	**0**	**: :**	
370	0	187	11:11:56.800	176XU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,590,005:00:0	
371	0	187	11:15:02.800	20XE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	5,590,008:06:0	
372	0	187	11:19:09.466	20DA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,590,012:12:0	
373	0	187	11:19:59.466	20DA4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,590,012:87:0	
374	0	187	11:22:03.466	176XV6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,590,015:00:0	
375	**0**	**187**	**11:23:04.133**	**185XE10A3A**	**40HRP**	**1**	**RCT Heater ON (primary relay)**	**2O0**	**4**	**0**	**5,590,016:00:0**	
376	**0**	**187**	**11:23:09.466**	**185XE10B3A**	**40HRP**	**2**	**RCT Heater ON (primary relay)**	**2O0**	**4**	**0**	**5,590,016:08:0**	
377	0	187	18:06:38.800	488CC6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,590,415:13:0	
378	0	187	18:23:42.800	488CC6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,590,432:02:0	
379	0	187	18:49:18.800	488CC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,590,457:31:0	
380	**0**	**187**	**23:09:30.066**	**20EA5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,590,714:61:0**	
381	**0**	**187**	**23:09:33.400**	**20EA5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,590,714:66:0**	
382	**0**	**187**	**23:09:36.733**	**20EA6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,590,714:71:0**	
383	**0**	**187**	**23:09:46.733**	**20EA6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,590,714:86:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	**0**	**187**	**23:10:00.733**	**20EA5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,590,715:16:0**	
385	**0**	**187**	**23:10:04.066**	**20EA5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,590,715:21:0**	
386	**0**	**187**	**23:10:44.066**	**20EA4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**5,590,715:81:0**	
387	0	187	23:17:50.733	125XE	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,590,722:84:0	
388	**0**	**187**	**23:17:50.733**	**125XE4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**5,590,722:84:0**	
389	**0**	**187**	**23:18:51.400**	**125XE4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,590,723:84:0**	
390	**0**	**187**	**23:19:52.066**	**125XE4C**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**5,590,724:84:0**	
391	0	187	23:20:52.733	125XE11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	5,590,725:84:0	
392	**0**	**187**	**23:20:52.733**	**125XE4D**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**5,590,725:84:0**	
393	0	187	23:22:54.066	127XE	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	5,590,727:84:0	
394	**0**	**187**	**23:22:54.066**	**127XE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**5,590,727:84:0**	
395	**0**	**187**	**23:22:54.733**	**127XE4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**5,590,727:85:0**	
396	0	187	23:23:02.733	127XE11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	5,590,728:06:0	
397	0	187	23:27:01.400	176XE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	5,590,732:00:0	
398	0	187	23:33:05.400	192XE4A	**7CONE**	**17.0,119.7**	Check S/P Position	1R3	4	0	5,590,738:00:0	
399	**0**	**187**	**23:35:26.733**	**432XE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**5,590,740:30:0**	
400	**0**	**187**	**23:36:26.066**	**432XF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**5,590,741:28:0**	
401	0	187	23:39:09.400	192XE4B	**7CONE**	**17.0,0.0**	Check S/P Position	1R3	4	0	5,590,744:00:0	
402	**0**	**187**	**23:41:30.733**	**432XU6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**5,590,746:30:0**	
403	**0**	**187**	**23:43:30.733**	**432XV6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**5,590,748:28:0**	
404	0	187	23:45:13.400	192XE4C	**7CONE**	**17.0,119.7**	Check S/P Position	1R3	4	0	5,590,750:00:0	
405	**0**	**187**	**23:47:14.733**	**185XE10C3A**	**40HRPR**	**1**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**5,590,752:00:0**	
406	**0**	**187**	**23:47:20.066**	**185XE10D3A**	**40HRPR**	**2**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**5,590,752:08:0**	
407	**0**	**187**	**23:47:34.733**	**432XW6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**5,590,752:30:0**	
408	**0**	**187**	**23:48:34.066**	**432XY6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**5,590,753:28:0**	
409	**0**	**187**	**23:50:12.066**	**125DC4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**5,590,754:84:0**	
410	0	187	23:50:12.066	125DC	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,590,754:84:0	
411	0	187	23:50:12.066	125DC11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,590,754:84:0	
412	0	187	23:51:12.733	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,590,755:84:0	
413	**0**	**187**	**23:51:12.733**	**127DC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**5,590,755:84:0**	
414	**0**	**187**	**23:51:13.400**	**127DC4B**	**37ETB**	**07,C7,31,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**5,590,755:85:0**	
415	0	187	23:51:17.400	192XE4D	**7CONE**	**17.0,153.0**	Check S/P Position	4R3	4	0	5,590,756:00:0	
416	0	187	23:51:21.400	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,590,756:06:0	
417	**0**	**187**	**23:51:37.400**	**432DC6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**5,590,756:30:0**	
418	**0**	**187**	**23:52:13.400**	**125DD4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**5,590,756:84:0**	
419	0	187	23:52:13.400	125DD11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,590,756:84:0	
420	0	187	23:52:13.400	125DD	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,590,756:84:0	
421	0	187	23:54:14.733	125DE11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,590,758:84:0	
422	0	187	23:54:14.733	125DE	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,590,758:84:0	
423	**0**	**187**	**23:54:14.733**	**125DE4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**5,590,758:84:0**	
424	**0**	**187**	**23:54:38.066**	**432DE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**5,590,759:28:0**	
425	0	187	23:58:17.400	127XF	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,590,762:84:0	
426	**0**	**187**	**23:58:17.400**	**127XF4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**5,590,762:84:0**	
427	**0**	**187**	**23:58:18.066**	**127XF4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**5,590,762:85:0**	
428	0	187	23:58:26.066	127XF11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	5,590,763:06:0	
429	**0**	**188**	**00:01:19.400**	**125XF4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**5,590,765:84:0**	
430	0	188	00:01:19.400	125XF	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	5,590,765:84:0	
431	**0**	**188**	**00:02:20.066**	**125XF4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**5,590,766:84:0**	
432	0	188	00:03:20.733	125XF11A	NIMSINIT	GE	##### GROUP END INIT	460	4	0	5,590,767:84:0	
433	**0**	**188**	**00:03:20.733**	**125XF4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**5,590,767:84:0**	
434	**0**	**188**	**00:16:38.132**	**28NNRCTRLT01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
435	0	188	00:19:44.066	20DB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,590,784:12:0	
436	0	188	00:20:34.066	20DB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,590,784:87:0	
437	0	188	00:22:38.066	176XF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,590,787:00:0	
438	0	188	01:14:07.400	488CD6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,590,837:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
439	0	188	01:21:50.733	488CD6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,590,845:51:0
440	0	188	09:53:24.066	488CE6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,591,351:45:0
441	0	188	10:08:46.733	488CE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,591,366:64:0
442	0	188	10:57:50.733	488CE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,591,415:21:0
443	0	188	13:43:32.733	488CE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,591,579:10:0
444	0	188	13:50:38.733	488CE6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,591,586:12:0
445	0	188	18:18:26.066	488CF6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,591,850:89:0
446	0	188	18:23:42.733	488CF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,591,856:18:0
447	**0**	**188**	**18:30:39.400**	**28NNPCTRLT01-**		**-----START------**		**4O0**	**4**	**0**	**: :**
448	0	188	18:49:18.733	488CF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,591,881:47:0
449	0	189	00:34:35.400	176FB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,592,223:00:0
450	0	189	00:37:44.066	444FB443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,592,226:10:0
451	0	189	00:41:44.066	444FB443A4B	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,592,230:06:0
452	0	189	00:50:44.066	444FB443A4C	**7CLK**	**17.45,0.0**	Check S/P Position	4O0	4	0	5,592,238:88:0
453	**0**	**189**	**00:53:43.400**	**125FB4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**5,592,241:84:0**
454	0	189	00:53:43.400	125FB	NIMSINIT	GS	##### GROUP START INIT	460	4	0	5,592,241:84:0
455	**0**	**189**	**00:54:44.066**	**125FB4B**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**5,592,242:84:0**
456	0	189	00:55:44.733	125FB11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	5,592,243:84:0
457	**0**	**189**	**00:55:44.733**	**125FB4C**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**5,592,243:84:0**
458	0	189	00:58:46.733	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,592,246:84:0
459	**0**	**189**	**00:58:46.733**	**127FB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**5,592,246:84:0**
460	**0**	**189**	**00:58:47.400**	**127FB4B**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**5,592,246:85:0**
461	0	189	00:58:55.400	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,592,247:06:0
462	**0**	**189**	**00:59:11.400**	**432FB6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**5,592,247:30:0**
463	**0**	**189**	**01:01:11.400**	**432FC6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**5,592,249:28:0**
464	0	189	01:01:53.400	192FC4A	**7CONE**	**17.0,54.88**	Check S/P Position	4R3	4	0	5,592,250:00:0
465	0	189	01:01:54.066	192FC4B	**7CLK**	**17.0,244.07**	Check S/P Position	4R3	4	0	5,592,250:01:0
466	**0**	**189**	**01:05:15.400**	**432FD6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**5,592,253:30:0**
467	**0**	**189**	**01:15:20.733**	**432FE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**5,592,263:28:0**
468	0	189	01:15:58.066	127FE	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,592,263:84:0
469	**0**	**189**	**01:15:58.066**	**127FE4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**5,592,263:84:0**
470	**0**	**189**	**01:15:58.733**	**127FE4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**5,592,263:85:0**
471	0	189	01:16:06.733	127FE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	5,592,264:06:0
472	0	189	01:16:06.733	20FE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R0	4	0	5,592,264:06:0
473	0	189	01:17:59.400	125FE	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	5,592,265:84:0
474	**0**	**189**	**01:17:59.400**	**125FE4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**5,592,265:84:0**
475	**0**	**189**	**01:19:00.066**	**125FE4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**5,592,266:84:0**
476	**0**	**189**	**01:20:00.733**	**125FE4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4O0**	**4**	**0**	**5,592,267:84:0**
477	0	189	01:20:00.733	125FE11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	5,592,267:84:0
478	0	189	01:21:12.733	444FF443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,592,269:10:0
479	0	189	01:25:12.733	444FF443A4B	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,592,273:06:0
480	0	189	01:30:22.733	488CG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,592,278:16:0
481	0	189	01:37:23.400	488CG6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,592,285:10:0
482	0	189	01:39:26.066	20FH4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,592,287:12:0
483	0	189	01:40:16.066	20FH4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,592,287:87:0
484	0	189	01:41:19.400	176FH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,592,289:00:0
485	**0**	**189**	**02:20:49.400**	**28NNPCTRLT01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**
486	0	189	06:49:28.733	488CG6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,592,593:70:0
487	0	189	08:16:48.666	488CH6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,592,680:13:0
488	0	189	08:53:52.666	488CH6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,592,716:73:0
489	0	189	12:13:00.000	488CH6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	5,592,913:67:0
490	0	189	12:16:18.000	176UA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,592,917:00:0
491	0	189	12:26:00.000	20SH4C	7STAT	10.00,238.53,-19	Stator inertial point	4O0	4	0	5,592,926:54:0
492	0	189	12:26:12.000	20SH6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	5,592,926:72:0
493	0	189	12:40:14.666	488CH6D	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	5,592,940:62:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	0	189	12:45:02.000	490UB412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,592,945	38:0
495	0	189	12:50:00.000	490UB412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,592,950	30:0
496	0	189	12:50:20.000	20SH4D	7STAT	17.45,238.53,-19	Stator inertial point	4O0	4	0	5,592,950	60:0
497	0	189	12:54:10.000	490UB412A4E	7VECT		Inert vect update UTC	4O0	4	0	5,592,954	41:0
498	0	189	12:54:14.000	490UB412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	5,592,954	47:0
499	0	189	12:58:02.000	490UB412A406A4A	7STAR	1,425,331.28	Star catalog update	4O0	4	0	5,592,958	25:0
500	0	189	12:58:04.000	490UB412A406A4B	7STAR	2,253,200.48	Star catalog update	4O0	4	0	5,592,958	28:0
501	0	189	12:58:06.000	490UB412A406A4C	7STAR	3,128,295.85	Star catalog update	4O0	4	0	5,592,958	31:0
502	0	189	12:58:08.000	490UB412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	5,592,958	34:0
503	0	189	12:58:10.000	490UB412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	5,592,958	37:0
504	0	189	12:58:12.000	490UB412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	5,592,958	40:0
505	0	189	13:08:06.000	20SH4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,592,968	21:0
506	0	189	13:16:10.000	490UB412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,592,976	19:0
507	0	189	14:02:03.333	488CH6E	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	4O0	4	0	5,593,021	54:0
508	0	189	14:05:34.666	488CI6A	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	5,593,025	07:0
509	0	189	14:41:50.666	488CI6B	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	4O0	4	0	5,593,060	86:0
510	0	189	14:50:04.000	20US4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,593,069	07:0
511	0	189	14:50:54.000	20US4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,593,069	82:0
512	0	189	14:51:00.000	488CI6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,593,070	00:0
513	0	189	14:52:00.666	176UB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,593,071	00:0
514	0	189	18:13:10.666	488CI6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,593,269	87:0
515	0	189	18:59:58.666	488CI6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,593,316	22:0
516	0	190	01:11:10.666	488CJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,593,683	33:0
517	0	190	01:34:33.333	488CJ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,593,706	44:0
518	0	190	10:33:14.666	488CK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,594,239	23:0
519	0	190	11:14:54.666	488CK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,594,280	42:0
520	0	190	18:17:23.266	488CL6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,594,698	27:0
521	0	190	20:06:29.933	488CL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,594,806	19:0
522	0	191	01:11:10.600	488CM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,595,107	49:0
523	0	191	01:54:37.933	488CM6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,595,150	47:0
524	0	191	11:08:19.266	488CN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,595,698	11:0
525	0	191	11:19:10.600	488CN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,595,708	78:0
526	0	191	17:51:39.933	488CO6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,596,097	03:0
527	0	191	17:55:58.600	488CO6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,596,101	27:0
528	0	191	18:04:41.266	488CO6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,596,109	83:0
529	0	191	18:38:38.600	488CO6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,596,143	45:0
530	0	191	19:23:39.933	488CO6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,596,188	02:0
531	0	191	19:57:19.266	488CP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,596,221	28:0
532	0	192	00:59:43.933	488CP6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,596,520	36:0
533	0	193	10:03:30.533	488CQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,598,482	34:0
534	0	193	10:59:58.533	488CQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,598,538	20:0
535	0	193	17:47:06.466	488CR6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,598,940	80:0
536	0	193	17:51:42.466	488CR6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,598,945	39:0
537	0	193	17:59:52.466	488CR6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,598,953	46:0
538	0	193	18:30:06.466	488CR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,598,983	37:0
539	0	193	19:18:29.133	488CR6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,599,031	23:0
540	0	193	19:52:08.466	488CS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,599,064	49:0
541	0	194	00:44:55.133	488CS6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,599,354	09:0
542	0	194	09:58:36.466	488CT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,599,901	64:0
543	0	194	10:53:34.466	488CT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,599,956	06:0
544	0	194	17:42:33.800	488CU6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,600,360	51:0
545	0	194	17:47:26.466	488CU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,600,365	35:0
546	0	194	17:53:37.133	488CU6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,600,371	45:0
547	0	194	18:38:38.466	488CU6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,600,416	02:0
548	0	195	01:02:38.400	488CV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,600,795	73:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	0	195	01:19:37.733	488CV6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,600,812	55:0
550	0	195	01:26:06.400	488CV6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,600,819	01:0
551	0	195	09:25:01.733	488CW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,601,292	61:0
552	0	195	09:34:38.400	488CW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,601,302	16:0
553	0	195	10:49:18.400	488CW6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,601,376	02:0
554	0	195	11:26:41.733	176UM6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,601,413	00:0
555	0	195	11:32:45.733		DMS:	: *SLEW-TIC	P7, TRACK *1, FWD, TIC 3799.75 +/-	4O0	4	0	5,601,419	00:0
556	0	195	11:32:45.733	465WA6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	5,601,419	00:0
557	0	195	11:32:45.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3799.75 +/-	4O0	4	0	5,601,419	00:0
558	0	195	11:32:52.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 3799.75 +/-	4O0	4	0	5,601,419	10:0
559	0	195	11:32:53.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *3799.87 +/-	4O0	4	0	5,601,419	12:1
560	0	195	12:58:04.533		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	5,601,503	34:2
561	0	195	12:58:05.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	5,601,503	36:0
562	0	195	13:47:01.733	488CW6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,601,551	72:0
563	0	195	13:50:38.400	488CW6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,601,555	33:0
564	0	195	17:26:27.066		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	5,601,768	73:0
565	0	195	17:26:27.066	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,601,768	73:0
566	0	195	17:26:28.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	5,601,768	75:1
567	0	195	17:26:33.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	5,601,768	83:0
568	0	195	17:26:34.933		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	5,601,768	84:8
569	0	195	17:26:38.800		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	5,601,768	90:6
570	0	195	17:26:38.800		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	5,601,768	90:6
571	0	195	17:48:43.733	488CX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,601,790	76:0
572	0	195	17:52:19.066		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	5,601,794	35:0
573	0	195	17:52:19.066	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,601,794	35:0
574	0	195	17:52:20.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	5,601,794	36:8
575	0	195	18:34:22.400	488CX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,601,835	89:0
576	0	195	19:51:07.733		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	5,601,911	81:0
577	0	195	19:51:07.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	5,601,911	81:0
578	0	195	19:51:07.733	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	4O0	4	0	5,601,911	81:0
579	0	195	19:51:09.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	5,601,911	83:1
580	0	195	19:51:14.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	5,601,912	00:0
581	0	195	19:51:15.600		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	5,601,912	01:8
582	0	195	19:51:17.000		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	5,601,912	03:9
583	0	195	19:55:09.066	488CX6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,601,915	79:0
584	0	195	19:55:17.666		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,601,916	00:9
585	0	195	19:55:18.866		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,601,916	02:7
586	0	195	19:55:18.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,601,916	02:7
587	0	195	19:55:20.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,601,916	04:8
588	0	195	19:55:32.266		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,601,916	22:8
589	0	195	19:55:33.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,601,916	24:6
590	0	195	20:01:10.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,601,921	75:0
591	0	195	20:01:10.400	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,601,921	75:0
592	0	195	20:01:17.066		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,601,921	85:0
593	0	195	20:01:20.933		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	5,601,921	90:8
594	0	195	20:01:20.933		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	5,601,921	90:8
595	0	195	20:33:04.400		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	5,601,953	34:0
596	0	195	20:33:04.400	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	5,601,953	34:0
597	0	195	20:33:05.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	5,601,953	35:8
598	0	195	20:48:40.400		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	5,601,968	73:0
599	0	195	20:48:40.400	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,601,968	73:0
600	0	195	20:48:41.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	5,601,968	75:1
601	0	195	20:48:47.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	5,601,968	83:0
602	0	195	20:48:48.266		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	5,601,968	84:8
603	0	195	20:48:52.133		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	5,601,968	90:6

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	0	195	20:48:52.133		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	5,601,968:90:6	
605	0	195	21:20:48.400	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,602,000:53:0	
606	0	195	21:20:48.400		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	5,602,000:53:0	
607	0	195	21:20:49.600		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	5,602,000:54:8	
608	0	195	21:20:53.466		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	5,602,000:60:6	
609	0	195	21:20:53.466		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	5,602,000:60:6	
610	0	195	21:52:49.066	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,602,032:22:0	
611	0	195	21:52:49.066		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	5,602,032:22:0	
612	0	195	21:52:50.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	5,602,032:23:8	
613	0	195	22:07:32.400		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	5,602,046:73:0	
614	0	195	22:07:32.400	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,602,046:73:0	
615	0	195	22:07:33.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	5,602,046:75:1	
616	0	195	22:07:39.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	5,602,046:83:0	
617	0	195	22:07:40.266		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	5,602,046:84:8	
618	0	195	22:07:44.133		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	5,602,046:90:6	
619	0	195	22:07:44.133		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	5,602,046:90:6	
620	0	195	22:39:39.733		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	5,602,078:52:0	
621	0	195	22:39:39.733	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,602,078:52:0	
622	0	195	22:39:40.933		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	5,602,078:53:8	
623	0	195	22:39:44.800		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	5,602,078:59:6	
624	0	195	22:39:44.800		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	5,602,078:59:6	
625	0	195	22:40:45.733	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,602,079:60:0	
626	0	195	22:40:45.733		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	5,602,079:60:0	
627	0	195	22:40:46.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	5,602,079:61:8	
628	0	195	22:41:59.066	488CX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,602,080:79:0	
629	0	195	22:55:15.733	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,602,094:00:0	
630	0	195	22:55:15.733		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	5,602,094:00:0	
631	0	195	22:56:09.733		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	5,602,094:81:0	
632	0	195	22:56:09.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	5,602,094:81:0	
633	0	195	22:56:09.733	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	4O0	4	0	5,602,094:81:0	
634	0	195	22:56:11.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	5,602,094:83:1	
635	0	195	22:56:16.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	5,602,095:00:0	
636	0	195	22:56:17.600		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	5,602,095:01:8	
637	0	195	22:56:19.000		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	5,602,095:03:9	
638	0	195	23:07:44.800		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,602,106:31:6	
639	0	195	23:07:46.000		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,602,106:33:4	
640	0	195	23:07:46.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,602,106:33:4	
641	0	195	23:07:47.400		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,602,106:35:5	
642	0	195	23:07:59.400		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,602,106:53:5	
643	0	195	23:08:00.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,602,106:55:3	
644	0	196	00:01:59.733	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,602,160:00:0	
645	0	196	00:02:59.733	20UR4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,602,160:90:0	
646	0	196	00:04:59.733	20UR4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,602,162:88:0	
647	0	196	00:10:29.733	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,602,168:37:0	
648	0	196	00:10:30.400	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,602,168:38:0	
649	0	196	00:10:50.400	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,602,168:68:0	
650	0	196	00:10:51.066	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,602,168:69:0	
651	0	196	00:11:11.066	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,602,169:08:0	
652	0	196	00:11:11.733	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,602,169:09:0	
653	0	196	00:11:21.733	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,602,169:24:0	
654	0	196	00:11:22.400	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,602,169:25:0	
655	0	196	00:11:32.400	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,602,169:40:0	
656	0	196	00:11:33.066	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,602,169:41:0	
657	0	196	00:13:19.733	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,602,171:19:0	
658	0	196	00:13:20.400	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,602,171:20:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	0	196	00:13:40.400	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,602,171:50:0	
660	0	196	00:13:41.066	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,602,171:51:0	
661	0	196	00:14:01.066	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,602,171:81:0	
662	0	196	00:14:01.733	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,602,171:82:0	
663	0	196	00:14:11.733	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,602,172:06:0	
664	0	196	00:14:12.400	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,602,172:07:0	
665	0	196	00:14:22.400	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,602,172:22:0	
666	0	196	00:14:23.066	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,602,172:23:0	
667	0	196	00:15:19.733	20UR4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,602,173:17:0	
668	0	196	00:40:03.733	20UY4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,602,197:59:0	
669	0	196	00:40:53.733	20UY4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,602,198:43:0	
670	0	196	00:42:26.400	176UZ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,602,200:00:0	
671	0	196	00:56:14.400	488CY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,602,213:59:0	
672	0	196	01:20:06.400	488CY6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,602,237:23:0	
673	0	196	09:53:47.666	488CZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,602,745:27:0	
674	0	196	11:23:14.333	488CZ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,602,833:69:0	
675	0	196	11:56:53.666	488CZ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,602,867:04:0	
676	0	196	17:35:09.000	488DA6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,603,201:53:0	
677	0	196	17:48:49.666	488DA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,603,215:10:0	
678	0	196	18:34:22.333	488DA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,603,260:14:0	
679	0	196	19:10:58.333	488DA6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,603,296:32:0	
680	0	196	19:40:04.333	488DA6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,603,325:12:0	
681	0	196	21:25:02.333	488DB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,603,428:86:0	
682	0	196	22:07:42.333	488DB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,603,471:13:0	
683	0	197	00:56:14.333	488DB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,603,637:75:0	
684	0	197	01:15:12.333	488DB6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,603,656:53:0	
685	0	197	09:48:53.666	488DC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,604,164:57:0	
686	0	197	10:38:38.333	488DC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,604,213:75:0	
687	0	197	17:32:32.333	488DD6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,604,623:16:0	
688	0	197	17:36:46.333	488DD6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,604,627:33:0	
689	0	197	17:43:55.666	488DD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,604,634:40:0	
690	0	197	18:30:06.333	488DD6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,604,680:10:0	
691	0	197	21:10:06.266	488DD6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,604,838:32:0	
692	0	197	22:16:14.266	488DE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,604,903:69:0	
693	0	198	00:56:14.266	488DE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,605,062:00:0	
694	0	198	01:10:16.933	488DE6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,605,075:81:0	
695	0	198	09:48:58.266	488DF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,605,588:80:0	
696	0	198	10:34:22.266	488DF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,605,633:71:0	
697	0	198	17:32:22.933	488DG6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,606,047:18:0	
698	0	198	17:36:46.266	488DG6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,606,051:49:0	
699	0	198	17:45:20.266	488DG6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,606,060:01:0	
700	0	198	18:08:46.266	488DG6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,606,083:17:0	
701	0	198	19:03:00.266	488DG6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,606,136:75:0	
702	0	198	19:36:39.600	488DH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,606,170:10:0	
703	0	198	22:45:12.933	488DH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,606,356:54:0	
704	0	198	22:52:30.266	488DH6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,606,363:73:0	
705	0	199	09:10:24.866	488DI6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,606,974:84:0	
706	0	199	09:19:42.200	488DI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,606,984:10:0	
707	0	199	10:30:06.200	488DI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,607,053:67:0	
708	0	199	13:47:59.533	488DI6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,607,249:41:0	
709	0	199	13:52:46.200	488DI6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,607,254:16:0	
710	0	200	17:34:12.133	488DJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,608,897:32:0	
711	0	200	18:15:10.133	488DJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,608,937:79:0	
712	0	200	20:44:30.133	488DJ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,609,085:51:0	
713	0	200	22:16:14.133	488DJ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,609,176:26:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	0	201	00:47:42.133	488DK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,609,326	08:0
715	0	201	01:10:35.466	488DK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,609,348	66:0
716	0	201	09:39:16.133	488DL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,609,851	74:0
717	0	201	11:07:44.133	488DL6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,609,939	28:0
718	0	201	11:41:23.466	488DL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,609,972	54:0
719	0	201	14:20:39.466	488DL6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,610,130	10:0
720	0	201	17:34:18.133	488DM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,610,321	57:0
721	0	201	18:15:10.133	488DM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,610,362	04:0
722	0	201	20:50:54.133	488DM6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,610,516	06:0
723	0	201	22:01:18.133	488DM6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,610,585	63:0
724	0	202	00:41:18.133	488DN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,610,743	85:0
725	0	202	01:00:41.466	488DN6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,610,763	10:0
726	0	202	17:29:24.733	488DO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,611,740	88:0
727	0	202	18:15:10.066	488DO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,611,786	20:0
728	0	202	21:05:50.066	488DO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,611,955	01:0
729	0	202	21:46:22.066	488DO6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,611,995	09:0
730	0	202	23:48:02.733	488DP6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,612,115	40:0
731	0	202	23:52:14.066	488DP6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,612,119	53:0
732	0	203	09:39:29.400	488DQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,612,700	35:0
733	0	203	10:19:26.066	488DQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,612,739	81:0
734	0	203	17:23:21.333	488DR6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,613,159	14:0
735	0	203	17:28:14.000	488DR6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,613,163	89:0
736	0	203	17:40:51.333	488DR6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,613,176	42:0
737	0	203	17:55:58.000	488DR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,613,191	37:0
738	0	203	19:07:30.000	488DR6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,613,262	14:0
739	0	203	19:41:09.333	488DS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,613,295	40:0
740	0	203	23:45:53.333	488DS6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,613,537	44:0
741	0	204	09:29:35.333	488DT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,614,114	70:0
742	0	204	10:19:26.000	488DT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,614,164	06:0
743	0	204	17:13:16.000	488DU6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,614,573	32:0
744	0	204	17:17:34.000	488DU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,614,577	55:0
745	0	204	17:24:37.333	488DU6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,614,584	53:0
746	0	204	18:10:54.000	488DU6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,614,630	32:0
747	0	204	23:48:11.266	488DV6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,614,963	85:0
748	0	204	23:52:13.933	488DV6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,614,967	85:0
749	0	205	09:24:41.266	488DW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,615,534	09:0
750	0	205	10:19:25.933	488DW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,615,588	22:0
751	0	205	17:08:34.600	488DX6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,615,992	81:0
752	0	205	17:13:17.933	488DX6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,615,997	51:0
753	0	205	17:19:43.266	488DX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,616,003	83:0
754	0	205	18:10:53.933	488DX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,616,054	48:0
755	0	205	23:47:38.600	488DY6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,616,387	52:0
756	0	205	23:52:13.933	488DY6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,616,392	10:0
757	0	206	08:55:07.866	488DZ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,616,929	04:0
758	0	206	09:00:29.866	488DZ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,616,934	32:0
759	0	206	09:19:41.866	488DZ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,616,953	31:0
760	0	206	10:17:13.200	488DZ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,617,010	21:0
761	0	206	10:50:52.533	488DZ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,617,043	47:0
762	0	206	12:59:59.866	481UC4A	7VECT	BB1	Inert vect update UTC	4O0	4	0	5,617,171	20:0
763	0	206	13:46:10.533	488EA6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,617,216	81:0
764	0	206	17:54:50.533	488EA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,617,462	75:0
765	0	206	18:06:37.866	488EA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,617,474	44:0
766	0	206	20:48:34.533	488EB6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,617,634	59:0
767	0	206	20:53:01.866	488EB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,617,639	05:0
768	0	207	09:19:54.533	488EC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,618,377	66:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	0	207	10:15:09.866	488EC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,618,432:34:0	
770	0	207	17:03:15.200	488ED6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,618,835:89:0	
771	0	207	17:06:53.866	488ED6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,618,839:53:0	
772	0	207	17:14:56.533	488ED6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,618,847:49:0	
773	0	207	18:06:37.800	488ED6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,618,898:60:0	
774	0	207	22:04:04.466	488ED6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,619,133:45:0	
775	0	208	10:33:13.800	488EE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,619,874:38:0	
776	0	208	17:02:37.800	488EF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,620,259:49:0	
777	0	208	18:00:13.800	488EF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,620,316:46:0	
778	0	208	23:08:59.800	488EG6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,620,621:80:0	
779	0	208	23:13:49.800	488EG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,620,626:60:0	
780	0	209	09:15:07.733	488EH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,621,221:32:0	
781	0	209	10:41:54.400	488EH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,621,307:16:0	
782	0	209	11:15:33.733	488EH6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,621,340:42:0	
783	0	209	13:46:29.066	488EH6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,621,489:66:0	
784	0	209	17:10:09.733	488EI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,621,691:15:0	
785	0	209	18:00:13.733	488EI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,621,740:62:0	
786	0	209	23:09:03.733	488EI6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,622,046:11:0	
787	0	209	23:13:49.733	488EJ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,622,050:76:0	
788	0	210	09:10:13.733	488EK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,622,640:62:0	
789	0	210	10:10:53.733	488EK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,622,700:62:0	
790	0	210	12:53:35.733	488EK6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,622,861:54:0	
791	0	210	12:57:17.733	488EK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,622,865:23:0	
792	0	210	17:05:15.666	488EL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,623,110:45:0	
793	0	210	17:55:57.666	488EL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,623,160:58:0	
794	0	211	00:02:53.666	488EM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,623,523:49:0	
795	0	211	00:31:38.333	488EM6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,623,551:88:0	
796	0	211	09:10:20.333	488EN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,624,064:88:0	
797	0	211	10:06:37.666	488EN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,624,120:58:0	
798	0	211	16:54:05.666	488EO6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,624,523:57:0	
799	0	211	17:11:09.666	488EO6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,624,540:46:0	
800	0	211	17:41:01.666	488EO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,624,570:04:0	
801	0	211	18:21:39.000	488EO6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,624,610:20:0	
802	0	211	18:55:18.333	488EO6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,624,643:46:0	
803	0	212	00:13:33.600	488EP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,624,958:24:0	
804	0	212	00:29:40.266	488EP6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,624,974:18:0	
805	0	212	00:41:17.600	488EP6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,624,985:63:0	
806	0	212	09:15:26.266	488EQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,625,494:17:0	
807	0	212	10:06:37.600	488EQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,625,544:74:0	
808	0	212	16:54:05.600	488ER6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,625,947:73:0	
809	0	212	17:55:57.600	488ER6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,626,008:90:0	
810	0	212	23:03:00.933	488ES6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,626,312:61:0	
811	0	212	23:07:25.600	488ES6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,626,317:03:0	
812	0	213	00:50:51.600	488ES6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,626,419:30:0	
813	0	213	00:56:13.600	488ES6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,626,424:58:0	
814	0	213	01:11:09.600	488ES6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,626,439:37:0	
815	0	213	03:36:13.600	488ET6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,626,582:80:0	
816	0	213	08:17:49.600	488ET6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,626,861:35:0	
817	0	213	08:41:17.600	488ET6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,626,884:54:0	
818	0	213	10:06:37.533	488EU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,626,968:90:0	
819	0	213	13:48:16.200	488EU6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,627,188:18:0	
820	0	213	13:52:45.533	488EU6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,627,192:58:0	
821	0	214	00:45:57.533	488EV6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,627,838:60:0	
822	0	214	01:00:29.533	488EV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,627,853:03:0	
823	0	214	01:47:25.533	488EV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,627,899:41:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	0	214	02:11:23.533	488EV6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,627,923:14:0	
825	0	214	02:45:02.200	488EV6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,627,956:39:0	
826	0	214	08:22:01.533	488EW6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,628,289:65:0	
827	0	214	16:55:42.200	488EX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,628,797:68:0	
828	0	214	17:51:41.533	488EX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,628,853:11:0	
829	0	214	23:43:41.466	488EY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,629,201:23:0	
830	0	215	00:22:05.466	488EY6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,629,239:21:0	
831	0	215	08:55:47.466	488EZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,629,747:26:0	
832	0	215	10:02:21.466	488EZ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,629,813:11:0	
833	0	215	16:39:21.466	488FA6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,630,205:69:0	
834	0	215	16:43:25.466	488FA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,630,209:71:0	
835	0	215	16:50:49.466	488FA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,630,217:09:0	
836	0	215	17:47:25.466	488FA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,630,273:07:0	
837	0	215	23:39:25.466	488FB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,630,621:19:0	
838	0	216	00:17:00.800	488FB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,630,658:35:0	
839	0	216	00:24:13.466	488FB6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,630,665:47:0	
840	0	216	08:17:13.400	488FC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,631,133:29:0	
841	0	216	08:26:21.400	488FC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,631,142:32:0	
842	0	216	09:55:57.400	488FC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,631,230:88:0	
843	0	216	10:56:39.400	176UG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,631,291:00:0	
844	0	216	11:02:00.066	20UU4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,631,296:26:0	
845	0	216	11:03:00.066	20UU4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,631,297:25:0	
846	0	216	11:05:00.066	20UU4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,631,299:23:0	
847	0	216	11:10:30.066	20UU4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,631,304:63:0	
848	0	216	11:10:30.733	20UU4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,631,304:64:0	
849	0	216	11:10:50.733	20UU4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,631,305:03:0	
850	0	216	11:10:51.400	20UU4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,631,305:04:0	
851	0	216	11:11:11.400	20UU4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,631,305:34:0	
852	0	216	11:11:12.066	20UU4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,631,305:35:0	
853	0	216	11:11:22.066	20UU4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,631,305:50:0	
854	0	216	11:11:22.733	20UU4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,631,305:51:0	
855	0	216	11:11:32.733	20UU4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,631,305:66:0	
856	0	216	11:11:33.400	20UU4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,631,305:67:0	
857	0	216	11:13:20.066	20UU4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,631,307:45:0	
858	0	216	11:13:20.733	20UU4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,631,307:46:0	
859	0	216	11:13:40.733	20UU4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,631,307:76:0	
860	0	216	11:13:41.400	20UU4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,631,307:77:0	
861	0	216	11:14:01.400	20UU4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,631,308:16:0	
862	0	216	11:14:02.066	20UU4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,631,308:17:0	
863	0	216	11:14:12.066	20UU4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,631,308:32:0	
864	0	216	11:14:12.733	20UU4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,631,308:33:0	
865	0	216	11:14:22.733	20UU4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,631,308:48:0	
866	0	216	11:14:23.400	20UU4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,631,308:49:0	
867	0	216	11:15:20.066	20UU4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,631,309:43:0	
868	0	216	11:40:04.066	20UG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,631,333:85:0	
869	0	216	11:40:54.066	20UG4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,631,334:69:0	
870	0	216	11:42:09.400	176UH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,631,336:00:0	
871	0	216	13:49:48.066	488FC6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,631,462:22:0	
872	0	216	13:54:53.400	488FC6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,631,467:25:0	
873	0	216	16:51:16.733	488FD6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,631,641:66:0	
874	0	216	16:56:13.400	488FD6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,631,646:56:0	
875	0	216	17:32:29.400	488FD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,631,682:44:0	
876	0	216	18:01:05.400	488FD6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,631,710:70:0	
877	0	216	18:34:44.733	488FD6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,631,744:05:0	
878	0	216	23:47:57.400	488FE6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,632,053:75:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	0	217	00:14:50.066	488FE6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,632,080	37:0
880	0	217	00:24:13.400	488FE6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,632,089	63:0
881	0	217	00:41:18.733	488FE6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,632,106	54:0
882	0	217	00:47:41.400	488FE6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,632,112	82:0
883	0	217	01:02:37.400	488FF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,632,127	61:0
884	0	217	01:46:03.400	488FF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,632,170	57:0
885	0	217	02:19:42.733	488FF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,632,203	83:0
886	0	217	03:36:13.400	488FF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,632,279	53:0
887	0	217	08:19:45.400	488FG6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,632,560	00:0
888	0	217	08:24:13.400	488FG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,632,564	38:0
889	0	217	16:46:03.333	488FH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,633,060	67:0
890	0	217	17:41:01.333	488FH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,633,115	09:0
891	0	217	23:33:01.333	488FI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,633,463	21:0
892	0	218	00:12:20.666	488FI6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,633,502	11:0
893	0	218	00:19:57.333	488FI6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,633,509	59:0
894	0	218	00:37:25.333	488FI6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,633,526	84:0
895	0	218	00:56:13.333	488FI6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,633,545	47:0
896	0	218	03:36:13.333	488FJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,633,703	69:0
897	0	218	08:19:50.000	488FJ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,633,984	23:0
898	0	218	08:24:13.333	488FJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,633,988	54:0
899	0	218	16:41:10.666	488FK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,634,480	08:0
900	0	218	17:41:01.333	488FK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,634,539	25:0
901	0	218	23:28:45.333	488FL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,634,883	17:0
902	0	219	00:12:33.333	488FL6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,634,926	46:0
903	0	219	09:06:14.600	488FM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,635,454	30:0
904	0	219	10:30:45.933	488FM6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,635,537	84:0
905	0	219	11:04:25.266	488FM6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,635,571	19:0
906	0	219	15:47:37.266	488FN6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,635,851	27:0
907	0	219	16:36:17.266	488FN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,635,899	39:0
908	0	219	17:15:43.933	488FN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,635,938	40:0
909	0	219	17:41:01.266	488FN6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,635,963	41:0
910	0	219	17:46:42.600	488FN6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,635,969	07:0
911	0	219	23:24:29.266	488FO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,636,303	13:0
912	0	220	00:12:39.933	488FO6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,636,350	72:0
913	0	220	00:22:05.266	488FO6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,636,360	10:0
914	0	221	10:29:42.533	488FP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,638,385	21:0
915	0	221	15:15:20.533	488FP6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,638,667	66:0
916	0	221	15:20:13.200	488FP6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,638,672	50:0
917	0	222	08:37:55.800	488FQ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,639,698	78:0
918	0	222	08:47:41.133	488FQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,639,708	46:0
919	0	222	10:00:25.133	488FQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,639,780	40:0
920	0	222	10:34:04.466	488FQ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,639,813	66:0
921	0	222	15:32:59.133	488FR6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,640,109	32:0
922	0	222	16:26:38.466	488FR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,640,162	38:0
923	0	222	17:00:23.133	488FR6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,640,195	72:0
924	0	222	17:32:29.133	488FR6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,640,227	49:0
925	0	222	17:33:37.800	488FR6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,640,228	61:0
926	0	222	18:52:59.800	488FS6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,640,307	15:0
927	0	222	18:56:52.466	176UC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,640,311	00:0
928	0	222	19:05:59.800	20SI4C	7STAT	10.00,247.50,-21	Stator inertial point	4O0	4	0	5,640,320	02:0
929	0	222	19:06:11.800	20SI6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	5,640,320	20:0
930	0	222	19:25:01.800	490UC412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,640,338	77:0
931	0	222	19:29:59.800	490UC412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,640,343	69:0
932	0	222	19:30:19.800	20SI4D	7STAT	17.45,247.50,-21	Stator inertial point	4O0	4	0	5,640,344	08:0
933	0	222	19:34:09.800	490UC412A4E	7VECT	RTH	Inert vect update UTC	4O0	4	0	5,640,347	80:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	0	222	19:34:13.800	490UC412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	5,640,347:86:0	
935	0	222	19:38:01.800	490UC412A406A4A	7STAR	1,552,343.73	Star catalog update	4O0	4	0	5,640,351:64:0	
936	0	222	19:38:03.800	490UC412A406A4B	7STAR	2,225,176.62	Star catalog update	4O0	4	0	5,640,351:67:0	
937	0	222	19:38:05.800	490UC412A406A4C	7STAR	3,142,193.42	Star catalog update	4O0	4	0	5,640,351:70:0	
938	0	222	19:38:07.800	490UC412A406A4D	7STAR	4,122,305.11	Star catalog update	4O0	4	0	5,640,351:73:0	
939	0	222	19:38:09.800	490UC412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	5,640,351:76:0	
940	0	222	19:38:11.800	490UC412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	5,640,351:79:0	
941	0	222	19:48:05.800	20SI4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,640,361:60:0	
942	0	222	19:56:09.800	490UC412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,640,369:58:0	
943	0	222	21:30:03.800	20SY4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,640,462:46:0	
944	0	222	21:30:53.800	20SY4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,640,463:30:0	
945	0	222	21:30:59.800	488FS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,640,463:39:0	
946	0	222	21:32:35.133	176SZ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,640,465:00:0	
947	0	222	23:13:49.133	488FS6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,640,565:11:0	
948	0	222	23:57:49.133	488FS6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,640,608:58:0	
949	0	223	00:05:01.133	488FS6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,640,615:69:0	
950	0	223	08:08:02.466	488FT6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,641,093:43:0	
951	0	223	08:17:49.133	488FT6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,641,103:13:0	
952	0	223	09:43:09.066	488FT6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,641,187:49:0	
953	0	223	13:50:51.733	488FT6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,641,432:48:0	
954	0	223	17:29:58.400	488FU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,641,649:21:0	
955	0	223	23:24:29.066	488FU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,641,999:77:0	
956	0	224	00:00:45.066	488FV6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,642,035:65:0	
957	0	224	00:17:49.066	488FV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,642,052:54:0	
958	0	224	00:32:45.066	488FV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,642,067:33:0	
959	0	224	02:42:53.066	488FV6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,642,196:06:0	
960	0	224	07:49:45.066	488FW6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,642,499:51:0	
961	0	224	07:54:21.066	488FW6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,642,504:10:0	
962	0	224	17:56:51.733	176SP6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,643,100:00:0	
963	0	224	18:02:55.733	465WK6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	5,643,106:00:0	
964	0	224	18:02:55.733		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,643,106:00:0	
965	0	224	18:02:55.733		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,643,106:00:0	
966	0	224	18:02:55.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,643,106:00:0	
967	0	224	18:03:02.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,643,106:10:0	
968	0	224	18:03:03.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	5,643,106:12:1	
969	0	224	23:44:04.466		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	5,643,443:36:2	
970	0	224	23:44:05.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	5,643,443:38:0	
971	0	224	23:56:37.000		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	5,643,455:73:0	
972	0	224	23:56:37.000	465WL6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,643,455:73:0	
973	0	224	23:56:38.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	5,643,455:75:1	
974	0	224	23:56:43.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	5,643,455:83:0	
975	0	224	23:56:44.866		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	5,643,455:84:8	
976	0	224	23:56:48.733		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	5,643,455:90:6	
977	0	224	23:56:48.733		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	5,643,455:90:6	
978	0	225	00:12:15.000	488FX6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,643,471:24:0	
979	0	225	00:17:49.000	488FX6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,643,476:70:0	
980	0	225	00:22:29.000		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	5,643,481:35:0	
981	0	225	00:22:29.000	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,643,481:35:0	
982	0	225	00:22:30.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	5,643,481:36:8	
983	0	225	00:58:21.000	488FX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,643,516:78:0	
984	0	225	01:35:06.333	488FX6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,643,553:19:0	
985	0	225	02:08:45.666	488FX6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,643,586:45:0	
986	0	225	02:21:17.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	5,643,598:81:0	
987	0	225	02:21:17.666		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	5,643,598:81:0	
988	0	225	02:21:17.666	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	4O0	4	0	5,643,598:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	0	225	02:21:19.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	5,643,598	83:1
990	0	225	02:21:24.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	5,643,599	00:0
991	0	225	02:21:25.533		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	5,643,599	01:8
992	0	225	02:21:26.933		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	5,643,599	03:9
993	0	225	02:25:09.666	488FY6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	5,643,602	65:0
994	0	225	02:25:27.600		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,643,603	00:9
995	0	225	02:25:28.800		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,643,603	02:7
996	0	225	02:25:28.800		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,643,603	02:7
997	0	225	02:25:30.200		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,643,603	04:8
998	0	225	02:25:42.200		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,643,603	22:8
999	0	225	02:25:43.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,643,603	24:6
1000	0	225	02:31:20.333	465WN6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,643,608	75:0
1001	0	225	02:31:20.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,643,608	75:0
1002	0	225	02:31:27.000		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,643,608	85:0
1003	0	225	02:31:30.866		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	5,643,608	90:8
1004	0	225	02:31:30.866		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	5,643,608	90:8
1005	0	225	03:03:14.333	465WN6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	5,643,640	34:0
1006	0	225	03:03:14.333		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	5,643,640	34:0
1007	0	225	03:03:15.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	5,643,640	35:8
1008	0	225	03:18:50.333	465WO6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,643,655	73:0
1009	0	225	03:18:50.333		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	5,643,655	73:0
1010	0	225	03:18:51.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	5,643,655	75:1
1011	0	225	03:18:57.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	5,643,655	83:0
1012	0	225	03:18:58.200		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	5,643,655	84:8
1013	0	225	03:19:02.066		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	5,643,655	90:6
1014	0	225	03:19:02.066		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	5,643,655	90:6
1015	0	225	03:50:58.333		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	5,643,687	53:0
1016	0	225	03:50:58.333	465WP6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,643,687	53:0
1017	0	225	03:50:59.533		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	5,643,687	54:8
1018	0	225	03:51:03.400		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	5,643,687	60:6
1019	0	225	03:51:03.400		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	5,643,687	60:6
1020	0	225	04:22:59.000	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,643,719	22:0
1021	0	225	04:22:59.000		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	5,643,719	22:0
1022	0	225	04:23:00.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	5,643,719	23:8
1023	0	225	04:37:42.333		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	5,643,733	73:0
1024	0	225	04:37:42.333	465WQ6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,643,733	73:0
1025	0	225	04:37:43.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	5,643,733	75:1
1026	0	225	04:37:49.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	5,643,733	83:0
1027	0	225	04:37:50.200		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	5,643,733	84:8
1028	0	225	04:37:54.066		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	5,643,733	90:6
1029	0	225	04:37:54.066		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	5,643,733	90:6
1030	0	225	05:09:49.666	465WR6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,643,765	52:0
1031	0	225	05:09:49.666		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	5,643,765	52:0
1032	0	225	05:09:50.866		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	5,643,765	53:8
1033	0	225	05:09:54.733		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	5,643,765	59:6
1034	0	225	05:09:54.733		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	5,643,765	59:6
1035	0	225	05:10:55.666		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	5,643,766	60:0
1036	0	225	05:10:55.666	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,643,766	60:0
1037	0	225	05:10:56.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	5,643,766	61:8
1038	0	225	05:11:59.666	488FY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,643,767	65:0
1039	0	225	05:25:25.666		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	5,643,781	00:0
1040	0	225	05:25:25.666	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,643,781	00:0
1041	0	225	05:26:19.666		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	5,643,781	81:0
1042	0	225	05:26:19.666	465WT6A	6DTRN	CMD,6DTRN,465WT6	DMS TRACK TURNAROUND	4O0	4	0	5,643,781	81:0
1043	0	225	05:26:19.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	5,643,781	81:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	0	225	05:26:21.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	5,643,781:83:1	
1045	0	225	05:26:26.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	5,643,782:00:0	
1046	0	225	05:26:27.533		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	5,643,782:01:8	
1047	0	225	05:26:28.933		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	5,643,782:03:9	
1048	0	225	05:37:54.733		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,643,793:31:6	
1049	0	225	05:37:55.933		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,643,793:33:4	
1050	0	225	05:37:55.933		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,643,793:33:4	
1051	0	225	05:37:57.333		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,643,793:35:5	
1052	0	225	05:38:09.333		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,643,793:53:5	
1053	0	225	05:38:10.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,643,793:55:3	
1054	0	225	05:53:04.333	20UT4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,643,808:31:0	
1055	0	225	05:53:54.333	20UT4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,643,809:15:0	
1056	0	225	05:55:45.666	176SQ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,643,811:00:0	
1057	0	225	07:38:18.333	488FY6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,643,912:38:0	
1058	0	225	07:47:57.000	488FY6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,643,921:87:0	
1059	0	225	17:25:13.666	488FZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,644,492:81:0	
1060	0	225	19:53:17.000	488FZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,644,639:29:0	
1061	0	225	20:29:33.000	488FZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,644,675:17:0	
1062	0	225	23:24:29.000	488FZ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,644,848:18:0	
1063	0	226	00:09:17.000	488GA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,644,892:46:0	
1064	0	226	00:51:57.000	488GA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,644,934:64:0	
1065	0	226	01:00:00.333	481UA4A	7VECT		Inert vect update UTC	4O0	4	0	5,644,942:61:0	
1066	0	226	01:29:59.000	488GA6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,644,972:29:0	
1067	0	226	02:03:38.333	488GA6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,645,005:55:0	
1068	0	226	07:38:24.933	488GB6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,645,336:64:0	
1069	0	226	08:22:04.266	488GB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,645,379:80:0	
1070	0	226	09:04:56.933	488GB6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,645,422:26:0	
1071	0	226	09:38:36.266	488GB6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,645,455:52:0	
1072	0	226	09:44:56.266	488GB6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,645,461:76:0	
1073	0	226	10:18:35.600	488GC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,645,495:11:0	
1074	0	226	16:03:01.600	488GC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,645,835:70:0	
1075	0	226	16:09:16.933	488GC6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,645,841:87:0	
1076	0	226	16:18:27.600	488GC6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,645,851:03:0	
1077	0	226	16:43:24.933	488GD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,645,875:65:0	
1078	0	226	17:24:54.266	488GD6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,645,916:68:0	
1079	0	226	18:03:33.600	488GD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,645,954:89:0	
1080	0	226	22:32:36.266	488GD6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,646,221:06:0	
1081	0	226	22:39:40.933	488GD6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,646,228:06:0	
1082	0	227	00:07:08.933	488GE6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,646,314:52:0	
1083	0	227	00:34:51.600	488GE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,646,341:89:0	
1084	0	227	00:43:24.933	488GE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,646,350:40:0	
1085	0	227	01:24:52.266	488GE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,646,391:40:0	
1086	0	227	01:58:31.600	488GE6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,646,424:66:0	
1087	0	227	03:49:00.933	176SV6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,646,534:00:0	
1088	**0**	**227**	**04:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**5,646,544:78:6**	
1089	**0**	**227**	**04:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**5,646,544:78:6**	
1090	**0**	**227**	**04:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,646,544:78:6**	
1091	**0**	**227**	**04:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**5,646,544:78:6**	
1092	**0**	**227**	**04:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,646,544:78:6**	
1093	**0**	**227**	**04:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,646,544:78:6**	
1094	**0**	**227**	**04:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,646,544:78:6**	
1095	**0**	**227**	**04:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,646,544:78:6**	
1096	**0**	**227**	**04:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**5,646,544:78:6**	
1097	0	227	04:00:00.266		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,646,544:79:0	

			Sequence:	G28C-AC		Created: 4/25/01	Begin: 00-227/04:00:00 Finish: 00-290/23:00:00					
Line	**YR**	**DOY**	**SCET - GMT**	**PSID**	**Command**	**Parameters**	**Description**	**GCM**	**GO**	**GS**	**RIM**	**MF I**
1	**0**	**227**	**04:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,646,544:78:6**	
2	**0**	**227**	**04:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**5,646,544:78:6**	
3	**0**	**227**	**04:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**5,646,544:78:6**	
4	**0**	**227**	**04:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**5,646,544:78:6**	
5	**0**	**227**	**04:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,646,544:78:6**	
6	**0**	**227**	**04:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**5,646,544:78:6**	
7	**0**	**227**	**04:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,646,544:78:6**	
8	**0**	**227**	**04:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,646,544:78:6**	
9	**0**	**227**	**04:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,646,544:78:6**	
10	0	227	04:00:00.266		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,646,544:79:0	
11	0	227	04:01:08.266	432MC431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,646,545:90:0	
12	0	227	04:01:08.933	432MC6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,646,546:00:0	
13	0	227	04:01:48.933	488AA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,646,546:60:0	
14	0	227	04:05:04.266	20SA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,646,549:80:0	
15	0	227	04:05:54.266	20SA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,646,550:64:0	
16	0	227	04:06:12.266	176SA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,646,551:00:0	
17	0	227	08:51:56.933	488AA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,646,833:55:0	
18	0	227	09:07:35.600	488AA6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,646,849:07:0	
19	0	227	09:36:41.600	488AA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,646,877:78:0	
20	0	227	13:50:46.933	488AB6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,647,129:14:0	
21	0	227	13:54:52.933	488AB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,647,133:19:0	
22	0	228	01:07:16.200	488AC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,647,798:19:0	
23	0	228	02:29:44.200	488AC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,647,879:70:0	
24	0	228	03:03:23.533	488AC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,647,913:05:0	
25	0	228	10:00:12.866	488AD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,648,325:27:0	
26	0	228	11:32:27.533	488AD6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,648,416:48:0	
27	0	228	12:01:33.533	488AD6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,648,445:28:0	
28	0	228	18:49:16.866	488AE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,648,848:50:0	
29	0	228	19:38:43.533	488AE6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,648,897:41:0	
30	0	229	08:12:26.133	488AF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,649,642:80:0	
31	0	229	08:39:08.800	488AF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,649,669:27:0	
32	0	229	18:51:24.800	488AG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,650,274:76:0	
33	0	229	19:38:26.133	488AG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,650,321:31:0	
34	0	229	19:44:44.800	488AG6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,650,327:53:0	
35	0	230	23:53:58.733	488AH6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,651,998:23:0	
36	0	231	00:17:48.733	488AH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,652,021:75:0	
37	0	231	01:14:22.066	488AH6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,652,077:69:0	
38	0	231	01:48:01.400	488AH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,652,111:04:0	
39	0	231	08:39:08.733	488AI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,652,517:59:0	
40	0	231	09:42:06.733	488AI6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,652,579:84:0	
41	0	231	10:11:12.733	488AI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,652,608:64:0	
42	0	231	11:23:24.733	488AI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,652,680:10:0	
43	0	231	15:56:28.733	488AJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,652,950:16:0	
44	0	231	18:51:24.733	488AJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,653,123:17:0	
45	0	231	19:39:05.400	488AJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,653,170:31:0	
46	0	232	01:02:46.666	488AK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,653,490:43:0	
47	0	232	02:24:15.333	488AK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,653,571:05:0	
48	0	232	02:57:54.666	488AK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,653,604:31:0	
49	0	232	08:28:28.666	488AL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,653,931:25:0	
50	0	232	09:31:58.666	488AL6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,653,994:07:0	
51	0	232	10:01:04.666	488AL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,654,022:78:0	
52	0	232	10:53:32.666	488AL6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,654,074:68:0	
53	0	232	15:47:18.666	488AM6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,654,365:26:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	0	232	15:50:04.666	488AM6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,654,368	02:0
55	0	233	01:02:53.333	488AN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,654,914	69:0
56	0	233	01:13:16.666	488AN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,654,925	03:0
57	0	233	08:07:03.266	488AO6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,655,334	24:0
58	0	233	08:51:09.933	488AO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,655,377	81:0
59	0	233	10:34:20.600	488AO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,655,479	85:0
60	0	233	16:30:36.600	488AP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,655,832	26:0
61	0	233	18:45:00.600	488AP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,655,965	19:0
62	0	233	19:29:19.933	488AP6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,656,009	04:0
63	0	234	00:43:01.266	488AQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,656,319	26:0
64	0	234	02:03:59.933	488AQ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,656,399	34:0
65	0	234	02:37:39.266	488AQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,656,432	60:0
66	0	234	05:44:12.600	488AQ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,656,617	15:0
67	0	234	06:31:08.600	488AQ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,656,663	53:0
68	0	234	08:09:16.600	488AR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,656,760	58:0
69	0	234	08:46:44.600	488AR6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,656,797	63:0
70	0	234	09:15:50.600	488AR6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,656,826	43:0
71	0	234	10:19:24.600	488AR6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,656,889	31:0
72	0	234	13:53:20.600	488AR6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,657,100	84:0
73	0	234	13:57:00.600	488AS6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,657,104	50:0
74	0	234	23:39:28.533	488AT6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,657,680	56:0
75	0	234	23:58:36.533	488AT6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,657,699	49:0
76	0	235	00:58:53.200	488AT6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,657,759	14:0
77	0	235	01:32:32.533	488AT6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,657,792	40:0
78	0	235	03:53:16.533	488AT6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,657,931	57:0
79	0	235	09:21:36.533	488AU6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,658,256	32:0
80	0	235	09:50:42.533	488AU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,658,285	12:0
81	0	235	10:04:28.533	488AU6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,658,298	68:0
82	0	235	13:53:26.533	488AU6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,658,525	18:0
83	0	235	13:57:00.533	488AU6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,658,528	66:0
84	0	236	07:53:18.466	488AV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,659,593	18:0
85	0	236	08:05:00.466	488AV6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,659,604	70:0
86	0	236	09:49:32.466	488AV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,659,708	14:0
87	0	236	16:56:12.466	488AW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,660,130	12:0
88	0	236	18:47:08.466	488AW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,660,239	77:0
89	0	236	19:19:42.466	488AW6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,660,272	05:0
90	0	237	07:03:25.133	488AX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,660,968	03:0
91	0	237	07:50:04.466	488AX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,661,014	16:0
92	0	237	08:56:37.800	176SB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,661,080	00:0
93	0	237	09:01:59.800	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,661,085	28:0
94	0	237	09:02:59.800	20UR4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,661,086	27:0
95	0	237	09:04:59.800	20UR4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,661,088	25:0
96	0	237	09:10:29.800	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,661,093	65:0
97	0	237	09:10:30.466	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,661,093	66:0
98	0	237	09:10:50.466	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,661,094	05:0
99	0	237	09:10:51.133	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,661,094	06:0
100	0	237	09:11:11.133	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,661,094	36:0
101	0	237	09:11:11.800	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,661,094	37:0
102	0	237	09:11:21.800	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,661,094	52:0
103	0	237	09:11:22.466	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,661,094	53:0
104	0	237	09:11:32.466	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,661,094	68:0
105	0	237	09:11:33.133	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,661,094	69:0
106	0	237	09:13:19.800	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,661,096	47:0
107	0	237	09:13:20.466	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,661,096	48:0
108	0	237	09:13:40.466	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,661,096	78:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	0	237	09:13:41.133	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,661,096:79:0	
110	0	237	09:14:01.133	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,661,097:18:0	
111	0	237	09:14:01.800	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,661,097:19:0	
112	0	237	09:14:11.800	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,661,097:34:0	
113	0	237	09:14:12.466	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,661,097:35:0	
114	0	237	09:14:22.466	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,661,097:50:0	
115	0	237	09:14:23.133	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,661,097:51:0	
116	0	237	09:15:19.800	20UR4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,661,098:45:0	
117	0	237	09:34:36.466	488AX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,661,117:51:0	
118	0	237	09:40:03.800	20SC4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,661,122:87:0	
119	0	237	09:40:53.800	20SC4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,661,123:71:0	
120	0	237	09:42:07.800	176SC6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,661,125:00:0	
121	0	237	13:53:29.733	488AY6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,661,373:55:0	
122	0	237	13:57:00.400	488AY6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,661,377:07:0	
123	0	237	23:24:50.400	488AZ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,661,938:61:0	
124	0	237	23:35:08.400	488AZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,661,948:78:0	
125	0	238	00:34:52.400	488AZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,662,007:85:0	
126	0	238	07:45:48.400	488BA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,662,434:12:0	
127	0	238	08:49:48.400	488BA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,662,497:39:0	
128	0	238	09:16:14.400	488BA6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,662,523:52:0	
129	0	238	09:45:20.400	488BA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,662,552:32:0	
130	0	238	17:41:00.400	488BB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,663,022:72:0	
131	0	238	19:18:37.066	488BB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,663,119:30:0	
132	0	238	19:21:16.400	488BB6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,663,121:87:0	
133	0	238	23:14:58.333	488BB6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,663,353:08:0	
134	0	238	23:24:28.333	488BB6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,663,362:44:0	
135	0	239	00:43:24.333	488BC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,663,440:50:0	
136	0	239	09:32:28.333	488BD6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,663,963:73:0	
137	0	239	17:06:52.333	488BE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,664,413:19:0	
138	0	239	18:40:44.333	488BE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,664,506:04:0	
139	0	239	19:20:00.333	488BE6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,664,544:80:0	
140	0	239	19:27:40.333	488BE6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,664,552:42:0	
141	0	239	23:15:05.666	488BF6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,664,777:35:0	
142	0	239	23:28:44.333	488BF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,664,790:80:0	
143	0	240	00:38:15.000	488BF6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,664,859:57:0	
144	0	240	01:11:54.333	488BF6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,664,892:83:0	
145	0	240	01:53:48.333	488BF6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,664,934:32:0	
146	0	240	09:01:28.933	488BG6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,665,357:30:0	
147	0	240	09:04:44.266	488BG6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,665,360:50:0	
148	0	240	09:29:12.266	488BG6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,665,384:68:0	
149	0	240	16:53:22.266	488BH6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,665,824:03:0	
150	0	240	16:56:12.266	488BH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,665,826:76:0	
151	0	240	23:13:53.600	488BI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,666,200:34:0	
152	0	241	00:15:40.266	488BI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,666,261:43:0	
153	0	241	02:21:53.600	488BI6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,666,386:28:0	
154	0	241	02:25:48.266	488BI6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,666,390:16:0	
155	0	241	06:50:15.600	488BJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,666,651:66:0	
156	0	241	06:58:52.266	488BJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,666,660:22:0	
157	0	241	08:13:38.933	488BJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,666,734:18:0	
158	0	241	08:19:56.266	488BJ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,666,740:38:0	
159	0	241	08:44:57.600	488BJ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,666,765:15:0	
160	0	241	13:52:28.933	488BK6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,667,069:28:0	
161	0	241	13:57:00.266	488BK6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,667,073:71:0	
162	0	241	23:10:20.866	488BL6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,667,621:04:0	
163	0	241	23:20:12.200	488BL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,667,630:72:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	0	242	00:33:00.200	488BL6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,667,702:72:0	
165	0	242	01:06:39.533	488BL6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,667,736:07:0	
166	0	242	01:30:20.200	488BL6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,667,759:45:0	
167	0	242	06:37:32.200	488BM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,668,063:29:0	
168	0	242	07:20:12.200	488BM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,668,105:47:0	
169	0	242	08:10:44.200	488BM6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,668,155:45:0	
170	0	242	08:39:50.866	488BM6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,668,184:26:0	
171	0	242	08:45:32.200	488BM6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,668,189:83:0	
172	0	242	14:00:04.866	176SU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,668,501:00:0	
173	0	242	14:02:00.200	20SU6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,668,502:82:0	
174	0	242	14:02:06.200	176KA6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4O0	4	0	5,668,503:00:0	
175	0	242	14:03:30.200	20UZ4A	7SCAN	NORM,155.718,11.	Check S/P Position	4O0	4	0	5,668,504:35:0	
176	0	242	14:36:00.200	444SA443A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,668,536:48:0	
177	0	242	15:02:45.533	165IA4A	7SCAN	NORM,156.682999,	Check S/P Position	4O0	4	0	5,668,562:90:0	
178	0	242	15:06:47.533	165IA4B	7VECT		Inert vect update UTC	4O0	4	0	5,668,566:89:0	
179	0	242	15:41:10.866	165IB4A	7SCAN	NORM,158.546999,	Check S/P Position	4O0	4	0	5,668,600:90:0	
180	0	242	15:54:19.533	165IC4A	7SCAN	NORM,158.549,10.	Check S/P Position	4O0	4	0	5,668,613:90:0	
181	0	242	16:11:22.200	165ID4A	7SCAN	NORM,158.605,10.	Check S/P Position	4O0	4	0	5,668,630:77:0	
182	0	242	16:11:40.200	118ID	**SMOS**	GS		4O0	4	0	5,668,631:13:0	
183	0	242	16:12:25.533	118ID110A111A4A	7STRP	0.00102,0.0,26,0	Slew =,0.51	4O0	4	0	5,668,631:81:0	
184	0	242	16:12:34.200	118ID11A	**SMOS**	GE		4O0	4	0	5,668,632:03:0	
185	0	242	16:34:00.200	444SC443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,668,653:21:0	
186	0	242	16:39:36.200	20KA4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,668,658:70:0	
187	0	242	16:47:04.200	20SX4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,668,666:14:0	
188	0	242	16:47:54.200	20SX4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,668,666:89:0	
189	0	242	16:49:56.866	176SV6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,668,669:00:0	
190	0	242	16:50:00.200	20SU6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,668,669:05:0	
191	0	242	17:17:32.200	488BN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,668,696:26:0	
192	0	242	18:36:28.200	488BN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,668,774:32:0	
193	0	242	18:50:27.533	488BN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,668,788:17:0	
194	0	242	18:59:56.200	488BN6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,668,797:51:0	
195	0	243	09:21:31.466	488BO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,669,649:62:0	
196	0	243	17:17:32.133	488BP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,670,120:42:0	
197	0	243	18:36:28.133	488BP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,670,198:48:0	
198	0	243	18:50:35.466	488BP6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,670,212:45:0	
199	0	244	06:39:18.133	488BQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,670,913:38:0	
200	0	244	07:09:32.133	488BQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,670,943:29:0	
201	0	244	07:26:24.133	176SD6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,670,960:00:0	
202	0	244	07:33:00.133	488BQ6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,670,966:48:0	
203	0	244	08:09:00.133	20SV4I	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,671,002:12:0	
204	0	244	08:24:00.133	20SV4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	5,671,016:88:0	
205	0	244	08:30:36.133	488BQ6D	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,671,023:45:0	
206	0	244	08:36:00.133	20SV4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,671,028:76:0	
207	0	244	08:43:00.133	20SV4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	5,671,035:69:0	
208	0	244	08:55:00.133	20SV4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,671,047:57:0	
209	0	244	09:07:00.133	20SV4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,671,059:45:0	
210	0	244	09:23:04.133	20SW4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,671,075:35:0	
211	0	244	09:23:54.133	20SW4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,671,076:19:0	
212	0	244	09:25:42.800	176SE6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,671,078:00:0	
213	0	244	09:43:00.133	488BQ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,671,095:09:0	
214	0	244	13:54:00.800	488BR6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,671,343:32:0	
215	0	244	13:57:00.133	488BR6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,671,346:28:0	
216	0	244	23:09:23.400	488BS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,671,892:57:0	
217	0	245	00:27:38.066	488BS6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,671,970:01:0	
218	0	245	01:01:17.400	488BS6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,672,003:27:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	0	245	01:15:24.066	488BS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,672,017:23:0	
220	0	245	09:02:36.066	488BT6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,672,479:29:0	
221	0	245	10:31:44.733	488BT6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,672,567:44:0	
222	0	245	10:58:34.066	488BT6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,672,594:01:0	
223	0	245	17:17:32.066	488BU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,672,968:74:0	
224	0	245	18:32:12.066	488BU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,673,042:60:0	
225	0	245	18:45:50.066	488BU6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,673,056:13:0	
226	0	245	18:55:40.066	488BU6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,673,065:79:0	
227	0	246	00:02:44.733	488BV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,673,369:52:0	
228	0	246	01:45:16.000	488BV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,673,470:88:0	
229	0	246	07:07:24.000	488BW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,673,789:51:0	
230	0	246	07:39:24.000	488BW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,673,821:19:0	
231	0	246	08:35:14.666	488BW6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,673,876:40:0	
232	0	246	09:04:20.666	488BW6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,673,905:20:0	
233	0	246	17:51:40.000	488BX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,674,426:68:0	
234	0	246	18:40:58.000	488BX6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,674,475:46:0	
235	0	246	23:09:38.666	488BX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,674,741:21:0	
236	0	246	23:35:08.000	488BX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,674,766:40:0	
237	0	247	01:34:36.000	488BY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,674,884:54:0	
238	0	247	03:59:36.000	431MC6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	5,675,028:00:0	
239	0	247	17:21:47.933	488BZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,675,821:35:0	
240	0	247	18:32:11.933	488BZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,675,891:01:0	
241	0	247	18:40:41.933	488BZ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,675,899:38:0	
242	0	247	18:47:07.933	488BZ6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,675,905:71:0	
243	0	247	22:46:05.266	488BZ6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,676,142:10:0	
244	0	247	22:54:35.933	488CA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,676,150:48:0	
245	0	248	00:07:15.266	488CA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,676,222:35:0	
246	0	248	00:30:35.933	488CA6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,676,245:43:0	
247	0	248	00:37:35.266	488CA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,676,252:35:0	
248	0	248	05:08:15.933	488CB6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,676,520:08:0	
249	0	248	05:12:11.933	488CB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,676,523:89:0	
250	0	248	06:24:48.600	488CB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,676,595:72:0	
251	0	248	06:27:13.266	488CB6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,676,598:16:0	
252	0	248	06:52:27.933	488CB6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,676,623:13:0	
253	0	248	06:58:11.266	488CC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,676,628:73:0	
254	0	248	08:00:43.933	488CC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,676,690:60:0	
255	0	248	13:54:15.266	488CD6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,677,040:27:0	
256	0	248	13:56:59.933	488CD6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,677,043:01:0	
257	0	248	23:39:53.200	488CE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,677,619:45:0	
258	0	249	00:19:55.866	488CE6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,677,659:09:0	
259	0	249	00:59:53.200	488CE6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,677,698:56:0	
260	0	249	01:28:59.866	488CE6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,677,727:37:0	
261	0	249	06:18:19.866	488CF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,678,013:51:0	
262	0	249	06:46:03.866	488CF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,678,040:90:0	
263	0	249	07:50:03.866	488CF6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,678,104:26:0	
264	0	249	07:51:14.533	488CF6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,678,105:41:0	
265	0	249	08:18:04.533	488CF6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,678,131:90:0	
266	0	249	14:09:03.200	488CG6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,678,479:10:0	
267	0	249	14:11:55.866	488CG6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,678,481:87:0	
268	0	249	22:36:20.533	488CH6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,678,980:75:0	
269	0	249	22:46:03.866	488CH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,678,990:40:0	
270	0	250	00:02:00.533	488CH6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,679,065:50:0	
271	0	250	00:26:19.866	488CH6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,679,089:55:0	
272	0	250	00:32:39.866	488CH6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,679,095:79:0	
273	0	250	04:53:27.200	488CI6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,679,353:72:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	0	250	04:57:15.866	488CI6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,679,357:51:0	
275	0	250	06:41:47.866	488CI6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,679,460:86:0	
276	0	250	06:44:27.866	488CI6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,679,463:53:0	
277	0	250	07:45:47.800	488CI6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,679,524:22:0	
278	0	250	17:23:55.800	488CJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,680,096:02:0	
279	0	250	18:23:39.800	488CJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,680,155:09:0	
280	0	250	18:41:28.466	488CJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,680,172:65:0	
281	0	250	18:51:23.800	488CJ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,680,182:48:0	
282	0	250	23:33:21.800	488CK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,680,461:36:0	
283	0	251	00:51:55.800	488CK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,680,539:09:0	
284	0	251	04:54:33.800	488CK6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,680,779:06:0	
285	0	251	04:57:15.800	488CK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,680,781:67:0	
286	0	251	06:15:10.466	488CL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,680,858:72:0	
287	0	251	07:11:39.800	488CL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,680,914:60:0	
288	0	251	07:39:36.466	488CL6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,680,942:27:0	
289	0	251	08:08:42.466	488CL6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,680,971:07:0	
290	0	251	13:54:08.466	488CM6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,681,312:65:0	
291	0	251	13:59:07.800	488CM6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,681,317:59:0	
292	0	251	22:26:35.733	488CN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,681,819:49:0	
293	0	251	22:35:23.733	488CN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,681,828:22:0	
294	0	251	23:53:23.066	488CN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,681,905:34:0	
295	0	251	23:56:27.733	488CN6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,681,908:38:0	
296	0	252	00:23:37.733	488CN6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,681,935:26:0	
297	0	252	03:11:11.066	176SF6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,682,101:00:0	
298	0	252	03:16:19.733	20UL4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,682,106:08:0	
299	0	252	03:35:19.733	20UL4D	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,682,124:80:0	
300	0	252	06:14:25.733	488CO6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,682,282:21:0	
301	0	252	06:21:59.733	20UL4F	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,682,289:65:0	
302	0	252	06:22:59.733	488CO6B	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,682,290:64:0	
303	0	252	06:30:09.066	20AS6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,682,297:71:0	
304	0	252	06:53:59.733	20BA4AA	7STAT	10.00,37.5787,-6	Stator inertial point	4O0	4	0	5,682,321:33:0	
305	0	252	06:54:11.733	20BA6AA	6MROH	7,6744,0,A2	read from AACSA7,6744,0,A2	4O0	4	0	5,682,321:51:0	
306	0	252	06:59:59.733	474BA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,682,327:27:0	
307	0	252	07:01:59.733	474BA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,682,329:25:0	
308	0	252	07:02:19.733	20BA4AD	7STAT	17.45,37.5787,-6	Stator inertial point	4O0	4	0	5,682,329:55:0	
309	0	252	07:06:13.733	474BA416A4E	7BURN	Z,37.5787,-65.56	ALERT -- Thruster fire	4O0	4	0	5,682,333:42:0	
310	0	252	07:18:31.733	488CO6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,682,345:57:0	
311	0	252	07:31:01.733	20BA4AF	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,682,357:90:0	
312	0	252	07:34:29.733	488CO6D	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,682,361:38:0	
313	0	252	07:36:53.733	20BA4AG	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,682,363:72:0	
314	0	252	07:58:09.733	20BA4AJ	7STAT	10.00,37.5787,-6	Stator inertial point	4O0	4	0	5,682,384:75:0	
315	0	252	07:58:21.733	20BA6AB	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	5,682,385:02:0	
316	0	252	08:03:35.733	488CO6E	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,682,390:18:0	
317	0	252	08:04:09.733	20BA4AK	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,682,390:69:0	
318	0	252	08:06:09.733	474BA416A4G	7BURN	T,37.5787,-65.56	ALERT -- Thruster fire	4O0	4	0	5,682,392:67:0	
319	0	252	08:39:28.400	488CP6A	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,682,425:62:0	
320	0	252	09:08:34.400	488CP6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,682,454:42:0	
321	0	252	09:14:13.733	20BA4AM	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,682,460:05:0	
322	0	252	09:19:05.733	20BA4AN	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,682,464:79:0	
323	0	252	10:38:21.733	20BA4AT	7STAT	10.00,37.5787,-6	Stator inertial point	4O0	4	0	5,682,543:24:0	
324	0	252	10:38:33.733	20BA6AC	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	5,682,543:42:0	
325	0	252	10:44:21.733	20BA4AV	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,682,549:18:0	
326	0	252	10:46:21.733	474BA416A4M	7BURN	T,37.5787,-65.56	ALERT -- Thruster fire	4O0	4	0	5,682,551:16:0	
327	0	252	11:51:07.733	488CP6C	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,682,615:21:0	
328	0	252	11:54:25.733	20BA4AX	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,682,618:45:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	0	252	11:59:17.733	20BA4AY	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,682,623:28:0	
330	0	252	13:14:19.733	488CP6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,682,697:47:0	
331	0	252	13:42:49.733	20BB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,682,725:64:0	
332	0	252	13:43:39.733	20BB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,682,726:48:0	
333	0	252	13:45:09.066	176BA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,682,728:00:0	
334	0	252	13:54:16.400	488CP6E	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,682,737:02:0	
335	0	252	13:59:07.733	488CQ6A	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	4O0	4	0	5,682,741:75:0	
336	0	252	14:32:40.400	176SG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,682,775:00:0	
337	0	252	14:34:59.733	444SB443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,682,777:27:0	
338	0	252	14:40:59.733	488CQ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,682,783:21:0	
339	0	252	14:41:03.733	20SG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,682,783:27:0	
340	0	252	14:41:53.733	20SG4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,682,784:11:0	
341	0	252	14:44:48.400	176SH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,682,787:00:0	
342	0	252	23:40:23.733	488CR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,683,316:64:0	
343	0	252	23:50:03.733	488CR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,683,326:24:0	
344	0	253	00:59:23.733	488CR6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,683,394:76:0	
345	0	253	01:28:29.733	488CR6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,683,423:56:0	
346	0	253	07:54:21.666	488CS6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,683,805:22:0	
347	0	253	08:28:27.666	488CS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,683,838:88:0	
348	0	253	10:25:47.666	488CS6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,683,955:01:0	
349	0	253	14:22:35.666	488CT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,684,189:19:0	
350	0	253	14:39:11.000	488CT6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,684,205:56:0	
351	0	253	14:43:55.666	488CT6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,684,210:28:0	
352	0	253	22:16:50.333	488CU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,684,658:22:0	
353	0	253	22:26:51.666	488CU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,684,668:14:0	
354	0	253	22:56:43.666	488CU6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,684,697:63:0	
355	0	254	00:26:19.666	488CU6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,684,786:28:0	
356	0	254	06:01:03.666	488CV6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,685,117:33:0	
357	0	254	07:22:53.000	488CV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,685,198:26:0	
358	0	254	17:17:31.600	488CW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,685,786:36:0	
359	0	254	17:54:06.266	488CW6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,685,822:52:0	
360	0	254	17:58:03.600	488CW6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,685,826:44:0	
361	0	254	22:41:41.600	176SO6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,686,107:00:0	
362	0	254	22:47:45.600	465WK6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	5,686,113:00:0	
363	0	254	22:47:45.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,686,113:00:0	
364	0	254	22:47:45.600		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,686,113:00:0	
365	0	254	22:47:45.600		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,686,113:00:0	
366	0	254	22:47:52.266		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,686,113:10:0	
367	0	254	22:47:53.666		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	5,686,113:12:1	
368	0	255	04:28:54.400		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	5,686,450:36:2	
369	0	255	04:28:55.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	5,686,450:38:0	
370	0	255	04:41:26.933		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	5,686,462:73:0	
371	0	255	04:41:26.933	465WL6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,686,462:73:0	
372	0	255	04:41:28.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	5,686,462:75:1	
373	0	255	04:41:33.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	5,686,462:83:0	
374	0	255	04:41:34.800		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	5,686,462:84:8	
375	0	255	04:41:38.666		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	5,686,462:90:6	
376	0	255	04:41:38.666		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	5,686,462:90:6	
377	0	255	05:07:18.933		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	5,686,488:35:0	
378	0	255	05:07:18.933	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,686,488:35:0	
379	0	255	05:07:20.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	5,686,488:36:8	
380	0	255	05:55:40.266	488CX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,686,536:19:0	
381	0	255	06:16:11.600	488CX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,686,556:46:0	
382	0	255	07:10:10.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	5,686,609:81:0	
383	0	255	07:10:10.266		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	5,686,609:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	0	255	07:10:10.266	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	4O0	4	0	5,686,609	81:0
385	0	255	07:10:11.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	5,686,609	83:1
386	0	255	07:10:16.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	5,686,610	00:0
387	0	255	07:10:18.133		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	5,686,610	01:8
388	0	255	07:10:19.533		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	5,686,610	03:9
389	0	255	07:11:39.600	488CX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,686,611	33:0
390	0	255	07:14:09.600	488CX6D	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,686,613	76:0
391	0	255	07:14:20.200		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,686,614	00:9
392	0	255	07:14:21.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,686,614	02:7
393	0	255	07:14:21.400		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,686,614	02:7
394	0	255	07:14:22.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,686,614	04:8
395	0	255	07:14:34.800		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,686,614	22:8
396	0	255	07:14:36.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,686,614	24:6
397	0	255	07:20:12.933	465WN6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,686,619	75:0
398	0	255	07:20:12.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,686,619	75:0
399	0	255	07:20:19.600		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,686,619	85:0
400	0	255	07:20:23.466		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	5,686,619	90:8
401	0	255	07:20:23.466		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	5,686,619	90:8
402	0	255	07:52:06.933		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	5,686,651	34:0
403	0	255	07:52:06.933	465WN6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	5,686,651	34:0
404	0	255	07:52:08.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	5,686,651	35:8
405	0	255	08:07:42.933		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	5,686,666	73:0
406	0	255	08:07:42.933	465WO6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,686,666	73:0
407	0	255	08:07:44.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	5,686,666	75:1
408	0	255	08:07:49.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	5,686,666	83:0
409	0	255	08:07:50.800		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	5,686,666	84:8
410	0	255	08:07:54.666		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	5,686,666	90:6
411	0	255	08:07:54.666		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	5,686,666	90:6
412	0	255	08:39:50.933	465WP6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,686,698	53:0
413	0	255	08:39:50.933		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	5,686,698	53:0
414	0	255	08:39:52.133		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	5,686,698	54:8
415	0	255	08:39:56.000		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	5,686,698	60:6
416	0	255	08:39:56.000		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	5,686,698	60:6
417	0	255	09:11:51.600		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	5,686,730	22:0
418	0	255	09:11:51.600	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,686,730	22:0
419	0	255	09:11:52.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	5,686,730	23:8
420	0	255	09:26:34.933		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	5,686,744	73:0
421	0	255	09:26:34.933	465WQ6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,686,744	73:0
422	0	255	09:26:36.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	5,686,744	75:1
423	0	255	09:26:41.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	5,686,744	83:0
424	0	255	09:26:42.800		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	5,686,744	84:8
425	0	255	09:26:46.666		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	5,686,744	90:6
426	0	255	09:26:46.666		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	5,686,744	90:6
427	0	255	09:58:42.266		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	5,686,776	52:0
428	0	255	09:58:42.266	465WR6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,686,776	52:0
429	0	255	09:58:43.466		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	5,686,776	53:8
430	0	255	09:58:47.333		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	5,686,776	59:6
431	0	255	09:58:47.333		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	5,686,776	59:6
432	0	255	09:59:48.266	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,686,777	60:0
433	0	255	09:59:48.266		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	5,686,777	60:0
434	0	255	09:59:49.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	5,686,777	61:8
435	0	255	10:00:59.600	488CX6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,686,778	76:0
436	0	255	10:14:18.266		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	5,686,792	00:0
437	0	255	10:14:18.266	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,686,792	00:0
438	0	255	10:15:12.266	465WT6A	6DTRN	CMD,6DTRN,465WT6	DMS TRACK TURNAROUND	4O0	4	0	5,686,792	81:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	0	255	10:15:12.266		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	5,686,792:81:0	
440	0	255	10:15:12.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	5,686,792:81:0	
441	0	255	10:15:13.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	5,686,792:83:1	
442	0	255	10:15:18.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	5,686,793:00:0	
443	0	255	10:15:20.133		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	5,686,793:01:8	
444	0	255	10:15:21.533		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	5,686,793:03:9	
445	0	255	10:26:47.333		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,686,804:31:6	
446	0	255	10:26:48.533		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,686,804:33:4	
447	0	255	10:26:48.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,686,804:33:4	
448	0	255	10:26:49.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,686,804:35:5	
449	0	255	10:27:01.933		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,686,804:53:5	
450	0	255	10:27:03.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,686,804:55:3	
451	0	255	10:45:04.266	20SL4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,686,822:39:0	
452	0	255	10:45:54.266	20SL4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,686,823:23:0	
453	0	255	10:46:39.600	176SL6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,686,824:00:0	
454	0	255	13:55:59.600	488CY6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,687,011:23:0	
455	0	255	13:59:07.600	488CY6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,687,014:32:0	
456	0	255	23:38:58.866	488CZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,687,587:76:0	
457	0	256	00:59:01.533	488CZ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,687,667:00:0	
458	0	256	01:28:07.533	488CZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,687,695:71:0	
459	0	256	07:07:23.533	488DA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,688,031:29:0	
460	0	256	08:00:22.866	488DA6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,688,083:66:0	
461	0	256	08:27:12.200	488DA6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,688,110:23:0	
462	0	256	14:21:07.533	488DB6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,688,460:26:0	
463	0	256	14:24:43.533	488DB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,688,463:77:0	
464	0	256	22:10:52.200	488DC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,688,924:79:0	
465	0	256	22:46:03.533	488DC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,688,959:61:0	
466	0	257	00:07:07.533	488DC6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,689,039:77:0	
467	0	257	05:55:51.533	488DD6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,689,384:68:0	
468	0	257	05:59:07.533	488DD6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,689,387:89:0	
469	0	257	06:35:55.533	488DD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,689,424:34:0	
470	0	257	06:46:03.533	488DD6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,689,434:36:0	
471	0	257	07:53:51.533	488DD6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,689,501:41:0	
472	0	257	08:22:57.533	488DE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,689,530:21:0	
473	0	257	09:06:51.533	488DE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,689,573:59:0	
474	0	257	10:55:24.133	176SW6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,689,681:00:0	
475	0	257	10:57:00.133	20SK6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,689,682:53:0	
476	0	257	10:57:25.466	176KB6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4O0	4	0	5,689,683:00:0	
477	0	257	10:58:30.133	20SY4A	7SCAN	NORM,159.511,9.6	Check S/P Position	4O0	4	0	5,689,684:06:0	
478	0	257	11:31:00.133	444SM443A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,689,716:19:0	
479	0	257	11:58:04.800	165IE4A	7SCAN	NORM,159.198,9.5	Check S/P Position	4O0	4	0	5,689,742:90:0	
480	0	257	12:02:06.800	165IE4B	7VECT		Inert vect update UTC	4O0	4	0	5,689,746:89:0	
481	0	257	12:36:30.133	165IF4A	7SCAN	NORM,160.321999,	Check S/P Position	4O0	4	0	5,689,780:90:0	
482	0	257	12:49:38.800	165IG4A	7SCAN	NORM,160.323,9.3	Check S/P Position	4O0	4	0	5,689,793:90:0	
483	0	257	13:06:41.466	165IH4A	7SCAN	NORM,160.379,9.2	Check S/P Position	4O0	4	0	5,689,810:77:0	
484	0	257	13:07:00.133	118IH	**SMOS**	GS		4O0	4	0	5,689,811:14:0	
485	0	257	13:07:44.800	118IH110A111A4A	7STRP	0.00102,0.0,26,0	Slew =,0.51	4O0	4	0	5,689,811:81:0	
486	0	257	13:07:53.466	118IH11A	**SMOS**	GE		4O0	4	0	5,689,812:03:0	
487	0	257	13:29:00.133	444SN443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,689,832:83:0	
488	0	257	13:34:36.133	20KC4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,689,838:41:0	
489	0	257	13:42:04.133	20SZ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,689,845:76:0	
490	0	257	13:42:54.133	20SZ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,689,846:60:0	
491	0	257	13:44:15.466	176SX6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,689,848:00:0	
492	0	257	13:45:00.133	20SK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,689,848:67:0	
493	0	257	13:56:10.133	488DE6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,689,859:71:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	0	257	13:59:07.466	488DE6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,689,862	64:0
495	0	257	23:19:13.466	488DF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,690,416	59:0
496	0	258	00:00:43.466	488DF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,690,457	63:0
497	0	258	04:56:03.466	488DF6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,690,749	71:0
498	0	258	04:59:23.466	488DF6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,690,753	07:0
499	0	258	05:51:02.133	488DG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,690,804	14:0
500	0	258	06:01:15.466	488DG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,690,814	24:0
501	0	258	06:56:43.466	488DG6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,690,869	11:0
502	0	258	08:56:55.466	176SN6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,690,988	00:0
503	0	258	09:02:00.133	20SN4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,690,993	02:0
504	0	258	09:03:00.133	20SN4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,690,994	01:0
505	0	258	09:05:00.133	20SN4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,690,995	90:0
506	0	258	09:10:30.133	20SN4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,691,001	39:0
507	0	258	09:10:30.800	20SN4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,691,001	40:0
508	0	258	09:10:50.800	20SN4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,691,001	70:0
509	0	258	09:10:51.466	20SN4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,691,001	71:0
510	0	258	09:11:11.466	20SN4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,691,002	10:0
511	0	258	09:11:12.133	20SN4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,691,002	11:0
512	0	258	09:11:22.133	20SN4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,691,002	26:0
513	0	258	09:11:22.800	20SN4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,691,002	27:0
514	0	258	09:11:32.800	20SN4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,691,002	42:0
515	0	258	09:11:33.466	20SN4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,691,002	43:0
516	0	258	09:13:20.133	20SN4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,691,004	21:0
517	0	258	09:13:20.800	20SN4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,691,004	22:0
518	0	258	09:13:40.800	20SN4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,691,004	52:0
519	0	258	09:13:41.466	20SN4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,691,004	53:0
520	0	258	09:14:01.466	20SN4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,691,004	83:0
521	0	258	09:14:02.133	20SN4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,691,004	84:0
522	0	258	09:14:12.133	20SN4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,691,005	08:0
523	0	258	09:14:12.800	20SN4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,691,005	09:0
524	0	258	09:14:22.800	20SN4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,691,005	24:0
525	0	258	09:14:23.466	20SN4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,691,005	25:0
526	0	258	09:15:20.133	20SN4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,691,006	19:0
527	0	258	09:40:04.133	20SR4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,691,030	61:0
528	0	258	09:40:54.133	20SR4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,691,031	45:0
529	0	258	09:42:25.466	176SP6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,691,033	00:0
530	0	258	13:55:56.800	488DH6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,691,283	67:0
531	0	258	13:59:07.466	488DH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,691,286	80:0
532	0	258	22:11:07.400	488DI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,691,773	43:0
533	0	258	23:11:39.400	488DI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,691,833	31:0
534	0	258	23:28:39.400	488DI6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,691,850	14:0
535	0	258	23:57:45.400	488DI6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,691,878	85:0
536	0	259	04:55:16.733	488DJ6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,692,173	17:0
537	0	259	06:29:23.400	488DJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,692,266	24:0
538	0	259	06:52:27.400	488DJ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,692,289	07:0
539	0	259	14:16:09.400	488DK6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,692,727	82:0
540	0	259	14:18:19.400	488DK6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,692,730	04:0
541	0	259	23:29:28.733	488DL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,693,275	13:0
542	0	260	00:48:32.733	488DL6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,693,353	31:0
543	0	260	01:17:38.733	488DL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,693,382	11:0
544	0	260	07:50:03.333	488DM6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,693,770	20:0
545	0	260	09:14:52.666	488DM6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,693,854	10:0
546	0	260	09:41:42.000	488DM6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,693,880	58:0
547	0	260	14:16:14.666	488DN6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,694,152	15:0
548	0	260	14:18:19.333	488DN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,694,154	20:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	0	260	22:49:35.333	488DO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,694,659:79:0	
550	0	260	23:41:31.333	488DO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,694,711:21:0	
551	0	261	06:24:43.333	488DP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,695,110:00:0	
552	0	261	06:43:55.333	488DP6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,695,128:90:0	
553	0	261	14:16:20.666	488DQ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,695,576:40:0	
554	0	261	14:18:19.333	488DQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,695,578:36:0	
555	0	261	23:19:42.600	488DR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,696,113:76:0	
556	0	261	23:32:59.266	488DR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,696,126:88:0	
557	0	262	06:14:03.266	488DS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,696,523:57:0	
558	0	262	07:38:15.266	488DS6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,696,606:82:0	
559	0	262	08:07:21.933	488DS6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,696,635:63:0	
560	0	262	08:11:23.266	488DS6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,696,639:61:0	
561	0	262	13:56:37.933	488DT6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,696,981:11:0	
562	0	262	13:59:07.266	488DT6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,696,983:53:0	
563	0	263	02:19:51.866	488DU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,697,716:17:0	
564	0	263	03:38:09.200	488DU6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,697,793:56:0	
565	0	263	04:07:15.866	488DU6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,697,822:37:0	
566	0	263	09:38:51.200	488DV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,698,150:32:0	
567	0	263	10:00:11.200	488DV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,698,171:41:0	
568	0	263	10:44:30.533	488DV6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,698,215:26:0	
569	0	263	11:11:20.533	488DV6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,698,241:75:0	
570	0	263	17:00:27.200	488DW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,698,587:09:0	
571	0	263	17:45:49.200	488DW6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,698,631:88:0	
572	0	263	22:54:57.866	488DW6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,698,937:65:0	
573	0	263	23:22:19.200	488DX6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,698,964:70:0	
574	0	264	04:56:25.200	488DX6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,699,295:18:0	
575	0	264	04:59:23.200	488DX6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,699,298:12:0	
576	0	264	05:26:46.533	488DY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,699,325:20:0	
577	0	264	05:37:47.200	488DY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,699,336:10:0	
578	0	264	06:22:35.200	488DY6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,699,380:38:0	
579	0	264	17:00:27.133	488DZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,700,011:25:0	
580	0	264	17:43:58.466	488DZ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,700,054:29:0	
581	0	264	17:45:15.133	488DZ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,700,055:53:0	
582	0	264	21:51:51.133	488DZ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,700,299:43:0	
583	0	264	22:37:31.133	488DZ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,700,344:58:0	
584	0	264	23:07:56.466	488EA6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,700,374:66:0	
585	0	264	23:37:02.466	488EA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,700,403:46:0	
586	0	265	04:56:00.466	488EA6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,700,718:88:0	
587	0	265	05:03:39.133	488EA6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,700,726:48:0	
588	0	265	06:59:13.133	488EB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,700,840:75:0	
589	0	265	13:56:53.800	488EC6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,701,253:83:0	
590	0	265	13:59:07.133	488EC6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,701,256:10:0	
591	0	265	23:50:11.733	488ED6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,701,840:63:0	
592	0	266	01:07:48.400	488ED6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,701,917:41:0	
593	0	266	01:36:54.400	488ED6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,701,946:21:0	
594	0	266	03:31:55.066	488ED6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,702,059:89:0	
595	0	266	04:44:27.066	488ED6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,702,131:65:0	
596	0	266	06:26:07.733	488EE6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,702,232:25:0	
597	0	266	06:33:15.066	488EE6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,702,239:29:0	
598	0	266	09:44:21.066	488EE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,702,428:29:0	
599	0	266	13:56:59.066	488EF6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,702,678:16:0	
600	0	266	13:59:07.066	488EF6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,702,680:26:0	
601	0	266	23:45:18.400	488EG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,703,260:03:0	
602	0	267	01:02:41.733	488EG6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,703,336:52:0	
603	0	267	01:31:47.733	488EG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,703,365:32:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	0	267	02:23:39.066	488EG6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,703,416:58:0	
605	0	267	05:44:11.066	488EG6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,703,614:88:0	
606	0	267	09:34:35.000	488EH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,703,842:76:0	
607	0	267	09:48:29.000	488EH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,703,856:53:0	
608	0	267	21:42:12.333	488EI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,704,562:42:0	
609	0	267	21:52:43.000	488EI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,704,572:78:0	
610	0	267	22:58:51.000	488EI6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,704,638:24:0	
611	0	268	06:00:00.333	481UA4A	7VECT	BB1	Inert vect update UTC	4O0	4	0	5,705,054:72:0	
612	0	268	13:07:23.666	488EJ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,705,477:44:0	
613	0	268	13:10:03.000	488EJ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,705,480:10:0	
614	0	269	00:10:32.933	488EK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,706,133:32:0	
615	0	269	01:23:54.933	488EK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,706,205:83:0	
616	0	269	01:28:50.933	488EK6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,706,210:72:0	
617	0	269	01:55:40.266	488EK6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,706,237:29:0	
618	0	269	06:24:42.933	488EL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,706,503:37:0	
619	0	269	06:36:28.266	488EL6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,706,515:03:0	
620	0	269	06:43:54.933	488EL6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,706,522:36:0	
621	0	269	23:19:46.266	488EM6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,707,507:28:0	
622	0	270	08:58:41.533	488EN6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,708,079:79:0	
623	0	270	09:25:31.533	488EN6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,708,106:37:0	
624	0	270	15:35:06.866	488EO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,708,471:85:0	
625	0	270	17:04:42.866	488EO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,708,560:50:0	
626	0	270	17:18:52.200	488EO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,708,574:50:0	
627	0	270	21:27:32.200	488EO6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,708,820:44:0	
628	0	270	21:37:46.866	488EP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,708,830:56:0	
629	0	270	22:37:30.866	488EP6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,708,889:63:0	
630	0	271	06:27:53.533	488EQ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,709,354:82:0	
631	0	271	06:31:06.866	488EQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,709,358:08:0	
632	0	271	22:30:52.800	488ER6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,710,307:28:0	
633	0	271	22:43:54.800	488ER6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,710,320:18:0	
634	0	272	04:59:22.800	488ES6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,710,691:49:0	
635	0	272	05:22:50.800	488ES6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,710,714:68:0	
636	0	272	06:17:05.466	488ES6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,710,768:36:0	
637	0	272	06:46:11.466	488ES6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,710,797:16:0	
638	0	272	06:48:10.800	488ES6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,710,799:13:0	
639	0	272	13:58:14.800	488ET6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,711,224:44:0	
640	0	272	22:35:06.133	488EU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,711,735:60:0	
641	0	273	05:01:30.733	488EV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,712,117:75:0	
642	0	273	05:37:46.733	488EV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,712,153:63:0	
643	0	273	12:52:18.733	488EW6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,712,583:41:0	
644	0	273	12:55:06.733	488EW6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,712,586:20:0	
645	0	273	21:27:53.400	488EX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,713,093:33:0	
646	0	273	21:52:42.733	488EX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,713,117:83:0	
647	0	273	22:41:54.733	488EX6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,713,166:52:0	
648	0	273	23:11:00.733	488EX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,713,195:32:0	
649	0	274	00:13:30.733	488EX6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,713,257:15:0	
650	0	274	05:13:25.400	488EY6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,713,553:71:0	
651	0	274	06:15:15.400	488EY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,713,614:85:0	
652	0	274	06:28:15.400	488EY6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,713,627:72:0	
653	0	274	06:55:05.400	488EY6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,713,654:30:0	
654	0	274	15:33:28.666	488EZ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,714,167:02:0	
655	0	275	01:30:20.000	488FA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,714,757:29:0	
656	0	275	02:48:09.333	488FA6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,714,834:26:0	
657	0	275	03:14:59.333	488FA6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,714,860:75:0	
658	0	275	07:00:58.666	488FA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,715,084:30:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	0	275	09:11:06.666	488FB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,715,213:03:0	
660	0	275	09:58:07.333	488FB6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,715,259:48:0	
661	0	275	10:24:57.333	488FB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,715,286:06:0	
662	0	275	16:30:34.666	488FC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,715,647:61:0	
663	0	275	16:57:12.666	488FC6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,715,674:01:0	
664	0	275	17:04:42.666	488FC6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,715,681:39:0	
665	0	275	22:30:25.933	488FC6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,716,003:52:0	
666	0	276	13:58:40.600	488FD6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,716,921:56:0	
667	0	277	01:30:33.266	488FE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,717,605:81:0	
668	0	277	02:47:56.600	488FE6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,717,682:39:0	
669	0	277	03:14:45.933	488FE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,717,708:87:0	
670	0	277	07:05:14.533	488FE6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,717,936:82:0	
671	0	277	09:11:06.533	488FF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,718,061:35:0	
672	0	277	09:38:50.533	488FF6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,718,088:74:0	
673	0	277	09:49:17.866	488FF6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,718,099:14:0	
674	0	277	10:13:50.533	488FF6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,718,123:39:0	
675	0	277	12:10:18.533	488FF6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,718,238:56:0	
676	0	277	16:26:18.533	488FG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,718,491:73:0	
677	0	277	16:57:25.200	488FG6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,718,522:52:0	
678	0	277	17:04:42.533	488FG6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,718,529:71:0	
679	0	277	22:20:39.200	488FG6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,718,842:23:0	
680	0	278	04:46:34.533	488FH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,719,223:85:0	
681	0	278	05:14:18.533	488FH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,719,251:33:0	
682	0	278	08:58:18.533	488FH6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,719,472:82:0	
683	0	278	12:42:18.533	488FI6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,719,694:40:0	
684	0	278	13:38:33.200	488FI6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,719,750:06:0	
685	0	278	13:42:02.533	488FI6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,719,753:47:0	
686	0	278	20:58:25.133	488FJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,720,185:09:0	
687	0	278	21:24:58.466	488FJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,720,211:33:0	
688	0	278	22:11:22.466	488FJ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,720,257:23:0	
689	0	278	22:40:28.466	488FJ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,720,286:03:0	
690	0	278	23:24:26.466	488FJ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,720,329:47:0	
691	0	279	04:58:57.800	488FK6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,720,660:33:0	
692	0	279	06:00:47.133	488FK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,720,721:46:0	
693	0	279	06:12:42.466	488FK6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,720,733:27:0	
694	0	279	06:39:32.466	488FK6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,720,759:76:0	
695	0	279	08:39:06.466	488FK6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,720,878:08:0	
696	0	279	08:56:12.466	176SQ6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,720,895:00:0	
697	0	279	09:01:59.800	20SP4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,720,900:66:0	
698	0	279	09:02:59.800	20SP4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,720,901:65:0	
699	0	279	09:04:59.800	20SP4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,720,903:63:0	
700	0	279	09:10:29.800	20SP4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,720,909:12:0	
701	0	279	09:10:30.466	20SP4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,720,909:13:0	
702	0	279	09:10:50.466	20SP4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,720,909:43:0	
703	0	279	09:10:51.133	20SP4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,720,909:44:0	
704	0	279	09:11:11.133	20SP4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,720,909:74:0	
705	0	279	09:11:11.800	20SP4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,720,909:75:0	
706	0	279	09:11:21.800	20SP4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,720,909:90:0	
707	0	279	09:11:22.466	20SP4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,720,910:00:0	
708	0	279	09:11:32.466	20SP4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,720,910:15:0	
709	0	279	09:11:33.133	20SP4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,720,910:16:0	
710	0	279	09:13:19.800	20SP4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,720,911:85:0	
711	0	279	09:13:20.466	20SP4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,720,911:86:0	
712	0	279	09:13:40.466	20SP4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,720,912:25:0	
713	0	279	09:13:41.133	20SP4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,720,912:26:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	0	279	09:14:01.133	20SP4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,720,912:56:0	
715	0	279	09:14:01.800	20SP4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,720,912:57:0	
716	0	279	09:14:11.800	20SP4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,720,912:72:0	
717	0	279	09:14:12.466	20SP4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,720,912:73:0	
718	0	279	09:14:22.466	20SP4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,720,912:88:0	
719	0	279	09:14:23.133	20SP4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,720,912:89:0	
720	0	279	09:15:19.800	20SP4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,720,913:83:0	
721	0	279	09:40:03.800	20SQ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,720,938:34:0	
722	0	279	09:40:53.800	20SQ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,720,939:18:0	
723	0	279	09:42:43.133	176SR6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,720,941:00:0	
724	0	279	12:57:14.466	488FL6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,721,133:35:0	
725	0	279	13:58:59.800	488FL6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,721,194:42:0	
726	0	279	22:10:52.466	488FM6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,721,680:85:0	
727	0	280	04:27:22.400	488FN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,722,053:27:0	
728	0	280	05:03:38.400	488FN6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,722,089:15:0	
729	0	280	08:19:54.400	488FN6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,722,283:25:0	
730	0	280	12:14:40.400	488FO6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,722,515:42:0	
731	0	280	12:16:42.400	488FO6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,722,517:43:0	
732	0	280	20:43:37.733	488FP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,723,018:75:0	
733	0	280	21:14:18.400	488FP6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,723,049:15:0	
734	0	280	22:01:09.733	488FP6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,723,095:46:0	
735	0	280	22:30:15.733	488FP6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,723,124:26:0	
736	0	280	23:09:30.400	488FP6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,723,163:09:0	
737	0	281	04:20:58.400	488FQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,723,471:13:0	
738	0	281	04:59:22.400	488FQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,723,509:11:0	
739	0	281	05:42:30.400	488FQ6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,723,551:71:0	
740	0	281	06:09:20.400	488FQ6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,723,578:29:0	
741	0	281	07:58:34.400	488FQ6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,723,686:32:0	
742	0	281	12:15:08.333	488FR6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,723,940:09:0	
743	0	281	12:16:42.333	488FR6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,723,941:59:0	
744	0	282	01:01:05.000	488FS6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,724,697:57:0	
745	0	282	02:17:25.666	488FS6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,724,773:12:0	
746	0	282	02:44:15.000	488FS6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,724,799:60:0	
747	0	282	07:07:22.333	488FT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,725,059:81:0	
748	0	282	08:41:14.333	488FT6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,725,152:66:0	
749	0	282	09:28:47.000	488FT6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,725,199:68:0	
750	0	282	09:53:19.666	488FT6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,725,224:02:0	
751	0	282	13:20:42.333	488FU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,725,429:11:0	
752	0	282	16:11:22.333	488FU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,725,597:83:0	
753	0	282	16:27:56.333	488FU6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,725,614:27:0	
754	0	282	16:34:50.333	488FU6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,725,621:11:0	
755	0	282	22:01:10.333	488FV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,725,943:79:0	
756	0	283	04:12:26.266	488FW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,726,311:05:0	
757	0	283	04:48:42.266	488FW6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,726,346:84:0	
758	0	283	07:35:06.266	488FW6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,726,511:45:0	
759	0	283	13:22:50.266	488FX6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,726,855:37:0	
760	0	283	13:58:54.933	488FX6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,726,891:08:0	
761	0	283	14:01:14.266	488FX6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,726,893:35:0	
762	0	283	22:27:09.600	488FY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,727,393:68:0	
763	0	283	22:43:54.266	488FY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,727,410:28:0	
764	0	283	23:42:14.933	488FY6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,727,468:01:0	
765	0	284	00:09:04.266	488FY6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,727,494:49:0	
766	0	284	07:07:22.266	488FZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,727,908:22:0	
767	0	284	08:41:14.200	488FZ6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,728,001:07:0	
768	0	284	09:18:34.866	488FZ6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,728,038:01:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	0	284	09:43:07.533	488FZ6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,728,062:26:0	
770	0	284	13:27:06.200	488GA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,728,283:73:0	
771	0	284	16:07:06.200	488GA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,728,442:04:0	
772	0	284	16:28:07.533	488GA6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,728,462:76:0	
773	0	284	16:34:50.200	488GA6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,728,469:43:0	
774	0	284	22:11:22.200	488GB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,728,802:28:0	
775	0	285	07:13:46.200	488GC6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,729,338:68:0	
776	0	285	12:40:25.533	488GC6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,729,661:74:0	
777	0	285	12:42:18.200	488GC6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,729,663:61:0	
778	0	285	15:41:36.200	176SK6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,729,841:00:0	
779	0	285	15:47:40.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,729,847:00:0	
780	0	285	15:47:40.200		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,729,847:00:0	
781	0	285	15:47:40.200	465WA6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	5,729,847:00:0	
782	0	285	15:47:40.200		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,729,847:00:0	
783	0	285	15:47:46.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,729,847:10:0	
784	0	285	15:47:48.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	5,729,847:12:1	
785	0	285	21:12:20.800	488GD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,730,168:10:0	
786	0	285	21:28:48.933		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	5,730,184:36:2	
787	0	285	21:28:50.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	5,730,184:38:0	
788	0	285	21:41:21.466	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,730,196:73:0	
789	0	285	21:41:21.466		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	5,730,196:73:0	
790	0	285	21:41:22.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	5,730,196:75:1	
791	0	285	21:41:28.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	5,730,196:83:0	
792	0	285	21:41:29.333		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	5,730,196:84:8	
793	0	285	21:41:33.200		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	5,730,196:90:6	
794	0	285	21:41:33.200		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	5,730,196:90:6	
795	0	285	22:07:13.466		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	5,730,222:35:0	
796	0	285	22:07:13.466	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,730,222:35:0	
797	0	285	22:07:14.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	5,730,222:36:8	
798	0	285	22:26:17.466	488GD6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,730,241:22:0	
799	0	285	22:28:58.133	488GD6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,730,243:81:0	
800	0	285	22:53:52.133	488GD6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,730,268:47:0	
801	0	286	00:10:04.800	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	4O0	4	0	5,730,343:81:0	
802	0	286	00:10:04.800		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	5,730,343:81:0	
803	0	286	00:10:04.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	5,730,343:81:0	
804	0	286	00:10:06.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	5,730,343:83:1	
805	0	286	00:10:11.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	5,730,344:00:0	
806	0	286	00:10:12.666		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	5,730,344:01:8	
807	0	286	00:10:14.066		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	5,730,344:03:9	
808	0	286	00:14:09.466	488GD6E	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,730,347:84:0	
809	0	286	00:14:14.733		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,730,348:00:9	
810	0	286	00:14:15.933		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,730,348:02:7	
811	0	286	00:14:15.933		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,730,348:02:7	
812	0	286	00:14:17.333		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,730,348:04:8	
813	0	286	00:14:29.333		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,730,348:22:8	
814	0	286	00:14:30.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,730,348:24:6	
815	0	286	00:20:07.466	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,730,353:75:0	
816	0	286	00:20:07.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,730,353:75:0	
817	0	286	00:20:14.133		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,730,353:85:0	
818	0	286	00:20:18.000		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	5,730,353:90:8	
819	0	286	00:20:18.000		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	5,730,353:90:8	
820	0	286	00:52:01.466		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	5,730,385:34:0	
821	0	286	00:52:01.466	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	5,730,385:34:0	
822	0	286	00:52:02.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	5,730,385:35:8	
823	0	286	01:07:37.466		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	5,730,400:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	0	286	01:07:37.466	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,730,400:73:0	
825	0	286	01:07:38.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	5,730,400:75:1	
826	0	286	01:07:44.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	5,730,400:83:0	
827	0	286	01:07:45.333		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	5,730,400:84:8	
828	0	286	01:07:49.200		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	5,730,400:90:6	
829	0	286	01:07:49.200		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	5,730,400:90:6	
830	0	286	01:39:45.466	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,730,432:53:0	
831	0	286	01:39:45.466		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	5,730,432:53:0	
832	0	286	01:39:46.666		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	5,730,432:54:8	
833	0	286	01:39:50.533		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	5,730,432:60:6	
834	0	286	01:39:50.533		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	5,730,432:60:6	
835	0	286	02:11:46.133		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	5,730,464:22:0	
836	0	286	02:11:46.133	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,730,464:22:0	
837	0	286	02:11:47.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	5,730,464:23:8	
838	0	286	02:26:29.466		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	5,730,478:73:0	
839	0	286	02:26:29.466	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,730,478:73:0	
840	0	286	02:26:30.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	5,730,478:75:1	
841	0	286	02:26:36.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	5,730,478:83:0	
842	0	286	02:26:37.333		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	5,730,478:84:8	
843	0	286	02:26:41.200		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	5,730,478:90:6	
844	0	286	02:26:41.200		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	5,730,478:90:6	
845	0	286	02:58:36.800		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	5,730,510:52:0	
846	0	286	02:58:36.800	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,730,510:52:0	
847	0	286	02:58:38.000		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	5,730,510:53:8	
848	0	286	02:58:41.866		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	5,730,510:59:6	
849	0	286	02:58:41.866		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	5,730,510:59:6	
850	0	286	02:59:42.800	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,730,511:60:0	
851	0	286	02:59:42.800		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	5,730,511:60:0	
852	0	286	02:59:44.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	5,730,511:61:8	
853	0	286	03:00:59.466	488GE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,730,512:84:0	
854	0	286	03:14:12.800	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,730,526:00:0	
855	0	286	03:14:12.800		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	5,730,526:00:0	
856	0	286	03:15:06.800	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	4O0	4	0	5,730,526:81:0	
857	0	286	03:15:06.800		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	5,730,526:81:0	
858	0	286	03:15:06.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	5,730,526:81:0	
859	0	286	03:15:08.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	5,730,526:83:1	
860	0	286	03:15:13.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	5,730,527:00:0	
861	0	286	03:15:14.666		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	5,730,527:01:8	
862	0	286	03:15:16.066		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	5,730,527:03:9	
863	0	286	03:26:41.866		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,730,538:31:6	
864	0	286	03:26:43.066		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,730,538:33:4	
865	0	286	03:26:43.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,730,538:33:4	
866	0	286	03:26:44.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,730,538:35:5	
867	0	286	03:26:56.466		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,730,538:53:5	
868	0	286	03:26:57.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,730,538:55:3	
869	0	286	03:45:04.133	20SM4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,730,556:47:0	
870	0	286	03:45:54.133	20SM4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,730,557:31:0	
871	0	286	03:46:34.133	176SM6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,730,558:00:0	
872	0	286	07:15:54.133	488GE6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,730,765:03:0	
873	0	286	08:23:23.466	488GE6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,730,831:71:0	
874	0	286	08:47:56.800	488GE6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,730,856:06:0	
875	0	286	13:31:22.133	488GF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,731,136:34:0	
876	0	286	13:59:41.466	488GF6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,731,164:35:0	
877	0	286	23:06:33.466	488GG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,731,705:22:0	
878	0	287	00:21:56.800	488GG6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,731,779:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	0	287	00:48:46.133	488GG6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,731,806	30:0
880	0	287	06:54:34.066	488GH6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,732,168	10:0
881	0	287	07:13:18.066	488GH6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,732,186	58:0
882	0	287	07:37:50.733	488GH6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,732,210	83:0
883	0	287	11:59:56.733	488GH6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,732,470	12:0
884	0	287	12:01:46.066	488GH6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,732,471	85:0
885	0	287	20:14:18.733	488GI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,732,959	06:0
886	0	287	20:25:14.066	488GI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,732,969	79:0
887	0	287	21:20:42.066	488GI6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,733,024	66:0
888	0	288	06:56:42.066	488GJ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,733,594	36:0
889	0	288	11:45:38.733	488GJ6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,733,880	15:0
890	0	288	11:46:50.066	488GJ6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,733,881	31:0
891	0	289	00:46:45.333	488GK6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,734,652	63:0
892	0	289	02:01:45.333	488GK6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,734,726	79:0
893	0	289	02:28:35.333	488GK6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,734,753	37:0
894	0	289	07:07:22.000	488GL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,735,029	11:0
895	0	289	08:26:18.000	488GL6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,735,107	17:0
896	0	289	08:58:06.666	488GL6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,735,138	59:0
897	0	289	09:22:40.000	488GL6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,735,162	85:0
898	0	289	13:31:22.000	488GM6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,735,408	82:0
899	0	289	15:52:10.000	488GM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,735,548	14:0
900	0	289	16:13:36.666	488GM6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,735,569	33:0
901	0	289	16:19:54.000	488GM6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,735,575	53:0
902	0	289	22:56:50.000	488GN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,735,968	14:0
903	0	290	08:06:38.600	488GO6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,736,511	84:0
904	0	290	08:33:27.933	488GO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,736,538	41:0
905	0	290	14:00:03.933	488GO6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,736,861	42:0
906	0	290	22:46:55.266	488GP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,737,382	48:0
907	0	290	22:54:28.600	176SZ6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,737,390	00:0
908	0	290	22:59:59.933		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,737,395	42:0
909	**0**	**290**	**23:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**5,737,395**	**42:1**
910	**0**	**290**	**23:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**5,737,395**	**42:1**
911	**0**	**290**	**23:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,737,395**	**42:1**
912	**0**	**290**	**23:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**5,737,395**	**42:1**
913	**0**	**290**	**23:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,737,395**	**42:1**
914	**0**	**290**	**23:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,737,395**	**42:1**
915	**0**	**290**	**23:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,737,395**	**42:1**
916	**0**	**290**	**23:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,737,395**	**42:1**
917	**0**	**290**	**23:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**5,737,395**	**42:1**

Sequence:	G28D-AR	Created: 5/1/01	Begin: 00-290/23:00:00 Finish: 00-361/22:30:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1	0	290	22:59:59.933		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,737,395:42:0	
2	**0**	**290**	**23:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**5,737,395:42:1**	
3	**0**	**290**	**23:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**5,737,395:42:1**	
4	**0**	**290**	**23:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,737,395:42:1**	
5	**0**	**290**	**23:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**5,737,395:42:1**	
6	**0**	**290**	**23:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,737,395:42:1**	
7	**0**	**290**	**23:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,737,395:42:1**	
8	**0**	**290**	**23:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,737,395:42:1**	
9	**0**	**290**	**23:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,737,395:42:1**	
10	**0**	**290**	**23:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**5,737,395:42:1**	
11	0	290	23:00:57.933	488AA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,737,396:38:0	
12	**0**	**290**	**23:01:31.933**	**432JE6B**	**6RTDS2**	**NIMDSL,AACDSL,RT**	**NIMS R/T DESELECTAACS DESELECT**	**4O0**	**4**	**0**	**5,737,396:89:0**	
13	0	290	23:02:03.933	20SG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,737,397:46:0	
14	0	290	23:02:13.266	488AA6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,737,397:60:0	
15	0	290	23:02:53.933	20SG4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,737,398:30:0	
16	0	290	23:04:35.266	176SA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,737,400:00:0	
17	0	291	00:01:34.600	488AA6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,737,456:33:0	
18	0	291	00:28:23.933	488AA6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,737,482:81:0	
19	0	291	03:46:49.933	488AA6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,737,679:13:0	
20	0	291	04:10:17.933	488AB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,737,702:32:0	
21	0	291	05:11:33.933	488AB6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,737,762:86:0	
22	0	291	05:38:23.266	488AB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,737,789:43:0	
23	0	291	06:20:25.933	488AB6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,737,831:05:0	
24	0	291	11:40:35.866	488AC6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,738,147:64:0	
25	0	291	11:42:33.866	488AC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,738,149:59:0	
26	0	291	20:04:40.533	488AD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,738,646:22:0	
27	0	291	20:14:33.866	488AD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,738,656:02:0	
28	0	291	20:44:25.866	488AD6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,738,685:51:0	
29	0	292	06:20:25.866	488AE6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,739,255:21:0	
30	0	292	13:33:29.866	488AF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,739,683:49:0	
31	0	292	13:39:13.200	488AF6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,739,689:18:0	
32	0	292	13:42:01.866	488AF6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,739,691:89:0	
33	0	292	19:59:45.200	488AG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,740,065:50:0	
34	0	292	20:14:33.866	488AG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,740,080:18:0	
35	0	292	21:10:01.800	488AG6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,740,135:05:0	
36	0	292	21:39:07.800	488AG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,740,163:76:0	
37	0	292	21:39:53.800	488AG6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,740,164:54:0	
38	0	292	21:56:29.133	176SD6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,740,181:00:0	
39	0	292	22:02:59.800	488AH6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,740,187:40:0	
40	0	292	22:38:59.800	20SV4I	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,740,223:04:0	
41	0	292	22:53:59.800	20SV4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	5,740,237:80:0	
42	0	292	23:05:59.800	20SV4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,740,249:68:0	
43	0	292	23:12:59.800	20SV4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	5,740,256:61:0	
44	0	292	23:24:59.800	20SV4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,740,268:49:0	
45	0	292	23:36:59.800	20SV4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,740,280:37:0	
46	0	292	23:53:03.800	20SX4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,740,296:27:0	
47	0	292	23:53:53.800	20SX4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,740,297:11:0	
48	0	292	23:55:47.800	176SE6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,740,299:00:0	
49	0	293	00:12:59.800	488AH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,740,316:01:0	
50	0	293	06:05:29.800	488AI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,740,664:58:0	
51	0	293	06:12:46.466	488AI6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,740,671:76:0	
52	0	293	06:37:19.800	488AI6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,740,696:11:0	
53	0	293	13:27:05.800	488AJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,741,101:35:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	0	293	14:00:19.800	488AJ6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,741,134:23:0	
55	0	293	21:27:10.466	488AK6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,741,576:17:0	
56	0	294	03:38:17.800	488AL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,741,943:21:0	
57	0	294	04:35:53.800	488AL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,742,000:18:0	
58	0	294	04:51:18.466	488AL6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,742,015:40:0	
59	0	294	05:18:08.466	488AL6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,742,041:89:0	
60	0	294	11:25:23.733	488AM6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,742,405:18:0	
61	0	294	22:57:16.400	488AN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,743,089:43:0	
62	0	295	07:47:53.733	488AO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,743,614:24:0	
63	0	295	08:04:57.733	488AO6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,743,631:13:0	
64	0	295	13:22:49.733	488AO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,743,945:47:0	
65	0	295	15:28:41.733	488AP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,744,070:00:0	
66	0	295	15:44:06.400	488AP6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,744,085:22:0	
67	0	295	15:50:01.733	488AP6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,744,091:09:0	
68	0	295	21:47:20.333	488AQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,744,444:44:0	
69	0	296	07:47:53.666	488AR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,745,038:40:0	
70	0	296	08:04:57.666	488AR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,745,055:29:0	
71	0	296	09:11:07.666	488AR6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,745,120:69:0	
72	0	296	09:37:57.000	488AR6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,745,147:26:0	
73	0	296	14:48:09.666	488AS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,745,454:08:0	
74	0	296	15:42:16.333	488AS6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,745,507:55:0	
75	0	296	15:43:37.666	488AS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,745,508:86:0	
76	0	296	15:52:09.666	488AS6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,745,517:35:0	
77	0	297	10:01:33.600	488AT6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,746,594:74:0	
78	0	297	12:34:39.600	20ZC6A	6MCOPY	B1A1A,5018,UVS,0	B1A1A,5018,UVS,0118,01FF	4O0	4	0	5,746,746:21:0	
79	0	297	13:04:59.600	20ZC6B	6MCOPY	B1A1A,5118,UVS,0	B1A1A,5118,UVS,0118,01FF	4O0	4	0	5,746,776:21:0	
80	0	297	13:18:33.600	488AT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,746,789:59:0	
81	0	297	14:00:38.933	488AT6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,746,831:25:0	
82	0	297	21:32:28.933	488AU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,747,278:13:0	
83	0	298	06:28:57.600	488AV6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,747,808:66:0	
84	0	298	06:59:48.266	20ZD6A	6MCOPY	B1A1A,5218,UVS,0	B1A1A,5218,UVS,0118,01FF	4O0	4	0	5,747,839:21:0	
85	0	298	07:30:08.266	20ZD6B	6MCOPY	B1A1A,5318,UVS,0	B1A1A,5318,UVS,0118,01FF	4O0	4	0	5,747,869:21:0	
86	0	298	07:31:59.600	20ZD6C	6MROH	17,5000,31,B2	read from B1A2B17,5000,31,B	4O0	4	0	5,747,871:06:0	
87	0	298	13:12:09.533	488AW6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,748,207:45:0	
88	0	298	15:00:43.533	488AW6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,748,314:79:0	
89	0	299	04:57:35.533	488AX6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,749,142:49:0	
90	0	299	06:10:54.866	488AX6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,749,215:05:0	
91	0	299	06:37:44.200	488AX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,749,241:53:0	
92	0	299	14:33:13.533	488AY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,749,711:77:0	
93	0	299	15:24:24.200	488AY6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,749,762:42:0	
94	0	299	15:30:49.533	488AY6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,749,768:74:0	
95	0	299	21:12:38.200	488AZ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,750,106:79:0	
96	0	299	21:56:14.866	176TA6A	6TMREC	**TPB**	TERMINATE PLAYBACK (PB CONTROL) Record Mo	4O0	4	0	5,750,150:00:0	
97	0	299	22:02:18.866	465VA6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	5,750,156:00:0	
98	0	299	22:02:18.866		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,750,156:00:0	
99	0	299	22:02:18.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,750,156:00:0	
100	0	299	22:02:18.866		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,750,156:00:0	
101	0	299	22:02:25.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,750,156:10:0	
102	0	299	22:02:26.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	5,750,156:12:1	
103	0	299	22:25:51.533	488AZ6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,750,179:26:0	
104	0	299	22:52:41.466	488AZ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,750,205:75:0	
105	0	300	03:43:27.600		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	5,750,493:36:2	
106	0	300	03:43:28.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	5,750,493:38:0	
107	0	300	03:56:00.133		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	5,750,505:73:0	
108	0	300	03:56:00.133	465VB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,750,505:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	0	300	03:56:01.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	5,750,505	75:1
110	0	300	03:56:06.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	5,750,505	83:0
111	0	300	03:56:08.000		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	5,750,505	84:8
112	0	300	03:56:11.866		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	5,750,505	90:6
113	0	300	03:56:11.866		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	5,750,505	90:6
114	0	300	04:21:52.133		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	5,750,531	35:0
115	0	300	04:21:52.133	465VB6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,750,531	35:0
116	0	300	04:21:53.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	5,750,531	36:8
117	0	300	05:00:50.800	488BA6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,750,569	85:0
118	0	300	05:05:45.466	488BA6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,750,574	72:0
119	0	300	06:11:46.800	488BA6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,750,640	08:0
120	0	300	06:12:13.466	488BA6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,750,640	48:0
121	0	300	06:21:41.466	465VC6A	6DTRN	CMD,6DTRN,465VC6	DMS TRACK TURNAROUND	4O0	4	0	5,750,649	81:0
122	0	300	06:21:41.466		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	5,750,649	81:0
123	0	300	06:21:41.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	5,750,649	81:0
124	0	300	06:21:42.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	5,750,649	83:1
125	0	300	06:21:48.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	5,750,650	00:0
126	0	300	06:21:49.333		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	5,750,650	01:8
127	0	300	06:21:50.733		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	5,750,650	03:9
128	0	300	06:25:09.466	488BA6E	6TMSED	FILL,AH7	Sci, Eng, and D/L Chan	4O0	4	0	5,750,653	29:0
129	0	300	06:25:51.400		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,750,654	00:9
130	0	300	06:25:52.600		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,750,654	02:7
131	0	300	06:25:52.600		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,750,654	02:7
132	0	300	06:25:54.000		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,750,654	04:8
133	0	300	06:26:06.000		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,750,654	22:8
134	0	300	06:26:07.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,750,654	24:6
135	0	300	06:31:44.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,750,659	75:0
136	0	300	06:31:44.133	465VD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,750,659	75:0
137	0	300	06:31:50.800		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,750,659	85:0
138	0	300	06:31:54.666		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	5,750,659	90:8
139	0	300	06:31:54.666		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	5,750,659	90:8
140	0	300	06:36:46.800	488BB6A	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	4O0	4	0	5,750,664	74:0
141	0	300	07:03:38.133	465VD6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	5,750,691	34:0
142	0	300	07:03:38.133		DMS:	**: *RUNDOWN**	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	5,750,691	34:0
143	0	300	07:03:39.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	5,750,691	35:8
144	0	300	07:19:14.133	465VE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,750,706	73:0
145	0	300	07:19:14.133		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	5,750,706	73:0
146	0	300	07:19:15.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	5,750,706	75:1
147	0	300	07:19:20.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	5,750,706	83:0
148	0	300	07:19:22.000		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	5,750,706	84:8
149	0	300	07:19:25.866		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	5,750,706	90:6
150	0	300	07:19:25.866		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	5,750,706	90:6
151	0	300	07:51:22.133	465VF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,750,738	53:0
152	0	300	07:51:22.133		DMS:	**: *RUNDOWN**	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	5,750,738	53:0
153	0	300	07:51:23.333		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	5,750,738	54:8
154	0	300	07:51:27.200		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	5,750,738	60:6
155	0	300	07:51:27.200		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	5,750,738	60:6
156	0	300	08:23:22.800	465VF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,750,770	22:0
157	0	300	08:23:22.800		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	5,750,770	22:0
158	0	300	08:23:24.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	5,750,770	23:8
159	0	300	08:38:06.133	465VG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,750,784	73:0
160	0	300	08:38:06.133		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	5,750,784	73:0
161	0	300	08:38:07.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	5,750,784	75:1
162	0	300	08:38:12.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	5,750,784	83:0
163	0	300	08:38:14.000		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	5,750,784	84:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	0	300	08:38:17.866		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	5,750,784:90:6	
165	0	300	08:38:17.866		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	5,750,784:90:6	
166	0	300	09:10:13.466	465VH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,750,816:52:0	
167	0	300	09:10:13.466		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	5,750,816:52:0	
168	0	300	09:10:14.666		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	5,750,816:53:8	
169	0	300	09:10:18.533		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	5,750,816:59:6	
170	0	300	09:10:18.533		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	5,750,816:59:6	
171	0	300	09:11:19.466		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	5,750,817:60:0	
172	0	300	09:11:19.466	465VH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,750,817:60:0	
173	0	300	09:11:20.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	5,750,817:61:8	
174	0	300	09:11:59.466	488BB6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,750,818:29:0	
175	0	300	09:25:49.466		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	5,750,832:00:0	
176	0	300	09:25:49.466	465VI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,750,832:00:0	
177	0	300	09:26:43.466	465VJ6A	6DTRN	CMD,6DTRN,465VJ6	DMS TRACK TURNAROUND	4O0	4	0	5,750,832:81:0	
178	0	300	09:26:43.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	5,750,832:81:0	
179	0	300	09:26:43.466		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	5,750,832:81:0	
180	0	300	09:26:44.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	5,750,832:83:1	
181	0	300	09:26:50.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	5,750,833:00:0	
182	0	300	09:26:51.333		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	5,750,833:01:8	
183	0	300	09:26:52.733		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	5,750,833:03:9	
184	0	300	09:38:18.533		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,750,844:31:6	
185	0	300	09:38:19.733		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,750,844:33:4	
186	0	300	09:38:19.733		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,750,844:33:4	
187	0	300	09:38:21.133		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,750,844:35:5	
188	0	300	09:38:33.133		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,750,844:53:5	
189	0	300	09:38:34.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,750,844:55:3	
190	0	300	09:55:12.800	20PB6A	6HICON			4O0	4	0	5,750,861:06:0	
191	**0**	**300**	**10:00:10.800**	**432JF6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4O0**	**4**	**0**	**5,750,865:89:0**	
192	0	300	10:00:11.466	432JF431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	5,750,865:90:0	
193	**0**	**300**	**10:00:12.133**	**432JF6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**4O0**	**4**	**0**	**5,750,866:00:0**	
194	0	300	10:00:12.133	432JF6C	6RTSL1		R/T Select of DDS and	4O0	4	0	5,750,866:00:0	
195	0	300	13:03:37.466	488BC6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,751,047:37:0	
196	0	300	13:59:50.133		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,751,103:00:0	
197	0	300	13:59:50.133		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,751,103:00:0	
198	0	300	13:59:50.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,751,103:00:0	
199	0	300	13:59:50.133	465JA6A	6DMST	225	DMS Slew to TIC	4O0	4	0	5,751,103:00:0	
200	0	300	13:59:56.800		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,751,103:10:0	
201	0	300	13:59:58.200		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	5,751,103:12:1	
202	0	300	14:00:51.466	488BC6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,751,104:01:0	
203	0	300	14:01:25.600		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC * 222.94 +/-	4O0	4	0	5,751,104:52:2	
204	0	300	14:01:26.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 223.00 +/-	4O0	4	0	5,751,104:54:0	
205	0	300	15:42:49.466	175ZQ422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4O0	4	0	5,751,204:78:0	
206	0	300	15:42:49.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 223.00 +/-	4O0	4	0	5,751,204:78:0	
207	0	300	15:42:56.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 223.00 +/-	4O0	4	0	5,751,204:88:0	
208	0	300	15:42:57.466	175ZQ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	5,751,204:90:0	
209	0	300	15:42:57.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 223.12 +/-	4O0	4	0	5,751,204:90:1	
210	0	300	15:42:57.533		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 223.12 +/-	4O0	4	0	5,751,204:90:1	
211	0	300	15:57:07.466		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 422.32 +/-	4O0	4	0	5,751,219:00:0	
212	0	300	15:57:07.466	175ZQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,751,219:00:0	
213	0	300	15:57:08.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 422.38 +/-	4O0	4	0	5,751,219:01:8	
214	0	300	20:53:22.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 422.38 +/-	4O0	4	0	5,751,512:00:0	
215	0	300	20:53:22.800	411JA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,751,512:00:0	
216	0	300	20:53:29.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 422.38 +/-	4O0	4	0	5,751,512:10:0	
217	0	300	20:53:30.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 422.50 +/-	4O0	4	0	5,751,512:12:1	
218	0	300	20:53:30.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 422.50 +/-	4O0	4	0	5,751,512:12:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	0	300	20:53:32.800	411JA6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,751,512:15:0	
220	0	300	20:55:34.133	411JA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,751,514:15:0	
221	0	300	20:55:34.800	411JA6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,751,514:16:0	
222	0	300	20:55:34.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 451.55 +/-	4O0	4	0	5,751,514:16:0	
223	0	300	20:55:36.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 451.61 +/-	4O0	4	0	5,751,514:17:8	
224	0	300	22:42:43.466	488BD6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,751,620:13:0	
225	0	300	23:55:47.466	488BD6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,751,692:37:0	
226	0	301	00:22:37.466	488BD6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,751,718:86:0	
227	0	301	06:28:57.466	488BE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,752,081:23:0	
228	0	301	07:22:17.466	488BE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,752,134:00:0	
229	0	301	08:05:45.466	488BE6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,752,176:90:0	
230	0	301	08:32:35.466	488BE6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,752,203:48:0	
231	0	301	08:35:45.400	488BE6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,752,206:60:0	
232	0	301	09:02:35.400	488BF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,752,233:18:0	
233	0	301	14:00:55.400	488BF6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,752,528:23:0	
234	0	301	16:53:34.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 451.61 +/-	4O0	4	0	5,752,699:00:0	
235	0	301	16:53:34.066	411JB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,752,699:00:0	
236	0	301	16:53:40.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 451.61 +/-	4O0	4	0	5,752,699:10:0	
237	0	301	16:53:42.133		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 451.73 +/-	4O0	4	0	5,752,699:12:1	
238	0	301	16:53:42.133		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 451.73 +/-	4O0	4	0	5,752,699:12:1	
239	0	301	16:53:44.066	411JB6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,752,699:15:0	
240	0	301	16:55:45.400	411JB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,752,701:15:0	
241	0	301	16:55:46.066	411JB6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,752,701:16:0	
242	0	301	16:55:46.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 480.78 +/-	4O0	4	0	5,752,701:16:0	
243	0	301	16:55:47.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 480.84 +/-	4O0	4	0	5,752,701:17:8	
244	0	301	21:17:47.400	488BG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,752,960:29:0	
245	0	301	22:30:43.400	488BG6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,753,032:41:0	
246	0	301	22:53:00.066	488BG6C	6TMSED	FILL,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,753,054:44:0	
247	0	301	22:57:33.400	488BG6D	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,753,058:90:0	
248	0	302	00:54:00.066	20CA4AA	7STAT	10.00,332.8857,1	Stator inertial point	4O0	4	0	5,753,174:14:0	
249	0	302	00:54:12.066	20CA6AA	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	5,753,174:32:0	
250	0	302	01:00:00.066	474CA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,753,180:08:0	
251	0	302	01:02:00.066	474CA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,753,182:06:0	
252	0	302	01:02:20.066	20CA4AD	7STAT	17.45,332.8857,1	Stator inertial point	4O0	4	0	5,753,182:36:0	
253	0	302	01:06:14.066	474CA416A4E	7BURN	,332.885696,11.5	ALERT -- Thruster fire	4O0	4	0	5,753,186:23:0	
254	0	302	01:14:48.733	20CA4AM	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,753,194:67:0	
255	0	302	01:19:40.733	20CA4AN	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,753,199:50:0	
256	0	302	04:01:00.066	488BH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,753,359:09:0	
257	0	302	04:09:59.400	432PD431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,753,367:90:0	
258	0	302	04:10:00.066	432PD6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,753,368:00:0	
259	0	302	07:25:41.400	488BH6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,753,561:49:0	
260	0	302	07:57:31.400	488BH6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,753,593:02:0	
261	0	302	08:32:00.066	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,753,627:11:0	
262	0	302	08:33:00.066	20UQ4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,753,628:10:0	
263	0	302	08:35:00.066	20UQ4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,753,630:08:0	
264	0	302	08:40:30.066	20UQ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,753,635:48:0	
265	0	302	08:40:30.733	20UQ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,753,635:49:0	
266	0	302	08:40:50.733	20UQ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,753,635:79:0	
267	0	302	08:40:51.400	20UQ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,753,635:80:0	
268	0	302	08:41:11.400	20UQ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,753,636:19:0	
269	0	302	08:41:12.066	20UQ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,753,636:20:0	
270	0	302	08:41:22.066	20UQ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,753,636:35:0	
271	0	302	08:41:22.733	20UQ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,753,636:36:0	
272	0	302	08:41:32.733	20UQ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,753,636:51:0	
273	0	302	08:41:33.400	20UQ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,753,636:52:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	0	302	08:43:20.066	20UQ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,753,638	30:0
275	0	302	08:43:20.733	20UQ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,753,638	31:0
276	0	302	08:43:40.733	20UQ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,753,638	61:0
277	0	302	08:43:41.400	20UQ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,753,638	62:0
278	0	302	08:44:01.400	20UQ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,753,639	01:0
279	0	302	08:44:02.066	20UQ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,753,639	02:0
280	0	302	08:44:12.066	20UQ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,753,639	17:0
281	0	302	08:44:12.733	20UQ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,753,639	18:0
282	0	302	08:44:22.733	20UQ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,753,639	33:0
283	0	302	08:44:23.400	20UQ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,753,639	34:0
284	0	302	08:45:20.066	20UQ4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,753,640	28:0
285	0	302	09:04:59.400	432PP431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,753,659	68:0
286	0	302	09:05:00.066	432PP6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,753,659	69:0
287	0	302	10:55:59.400	488BI6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,753,769	48:0
288	0	302	17:47:59.400	411JC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,754,177	00:0
289	0	302	17:47:59.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 480.84 +/-	4O0	4	0	5,754,177	00:0
290	0	302	17:48:06.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 480.84 +/-	4O0	4	0	5,754,177	10:0
291	0	302	17:48:07.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 480.96 +/-	4O0	4	0	5,754,177	12:1
292	0	302	17:48:07.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 480.96 +/-	4O0	4	0	5,754,177	12:1
293	0	302	17:48:09.400	411JC6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,754,177	15:0
294	0	302	17:50:10.733	411JC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,754,179	15:0
295	0	302	17:50:11.400	411JC6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,754,179	16:0
296	0	302	17:50:11.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 510.00 +/-	4O0	4	0	5,754,179	16:0
297	0	302	17:50:12.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 510.06 +/-	4O0	4	0	5,754,179	17:8
298	0	303	00:41:32.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 510.06 +/-	4O0	4	0	5,754,586	00:0
299	0	303	00:41:32.000	411JD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,754,586	00:0
300	0	303	00:41:38.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 510.06 +/-	4O0	4	0	5,754,586	10:0
301	0	303	00:41:40.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 510.18 +/-	4O0	4	0	5,754,586	12:1
302	0	303	00:41:40.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 510.18 +/-	4O0	4	0	5,754,586	12:1
303	0	303	00:41:42.000	411JD6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,754,586	15:0
304	0	303	00:43:43.333	411JD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,754,588	15:0
305	0	303	00:43:44.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 539.23 +/-	4O0	4	0	5,754,588	16:0
306	0	303	00:43:44.000	411JD6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,754,588	16:0
307	0	303	00:43:45.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 539.29 +/-	4O0	4	0	5,754,588	17:8
308	0	303	07:34:04.000	411JE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,754,994	00:0
309	0	303	07:34:04.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 539.29 +/-	4O0	4	0	5,754,994	00:0
310	0	303	07:34:10.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 539.29 +/-	4O0	4	0	5,754,994	10:0
311	0	303	07:34:12.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 539.41 +/-	4O0	4	0	5,754,994	12:1
312	0	303	07:34:12.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 539.41 +/-	4O0	4	0	5,754,994	12:1
313	0	303	07:34:14.000	411JE6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,754,994	15:0
314	0	303	07:36:15.333	411JE6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,754,996	15:0
315	0	303	07:36:16.000	411JE6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,754,996	16:0
316	0	303	07:36:16.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 568.46 +/-	4O0	4	0	5,754,996	16:0
317	0	303	07:36:17.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 568.52 +/-	4O0	4	0	5,754,996	17:8
318	0	303	14:27:36.666	411JF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,755,403	00:0
319	0	303	14:27:36.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 568.52 +/-	4O0	4	0	5,755,403	00:0
320	0	303	14:27:43.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 568.52 +/-	4O0	4	0	5,755,403	10:0
321	0	303	14:27:44.733		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 568.64 +/-	4O0	4	0	5,755,403	12:1
322	0	303	14:27:44.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 568.64 +/-	4O0	4	0	5,755,403	12:1
323	0	303	14:27:46.666	411JF6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,755,403	15:0
324	0	303	14:29:48.000	411JF6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,755,405	15:0
325	0	303	14:29:48.666	411JF6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,755,405	16:0
326	0	303	14:29:48.666		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 597.68 +/-	4O0	4	0	5,755,405	16:0
327	0	303	14:29:49.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 597.74 +/-	4O0	4	0	5,755,405	17:8
328	0	303	17:20:30.666	411JG6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,755,574	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	0	303	17:20:30.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 597.74 +/-	4O0	4	0	5,755,574:00:0	
330	0	303	17:20:37.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 597.74 +/-	4O0	4	0	5,755,574:10:0	
331	0	303	17:20:38.733		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 597.86 +/-	4O0	4	0	5,755,574:12:1	
332	0	303	17:20:38.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 597.86 +/-	4O0	4	0	5,755,574:12:1	
333	0	303	17:20:40.666	411JG6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,755,574:15:0	
334	0	303	17:22:42.000	411JG6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,755,576:15:0	
335	0	303	17:22:42.666	411JG6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,755,576:16:0	
336	0	303	17:22:42.666		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 626.91 +/-	4O0	4	0	5,755,576:16:0	
337	0	303	17:22:43.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 626.97 +/-	4O0	4	0	5,755,576:17:8	
338	0	303	22:22:55.333	488BJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,755,873:08:0	
339	0	304	06:33:13.266	488BK6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,756,358:00:0	
340	0	304	12:48:41.266	488BL6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,756,729:31:0	
341	0	304	14:48:09.266	488BL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,756,847:45:0	
342	0	304	14:59:44.600	488BL6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,756,858:87:0	
343	0	304	15:07:21.266	488BL6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,756,866:44:0	
344	0	304	17:52:41.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 626.97 +/-	4O0	4	0	5,757,030:00:0	
345	0	304	17:52:41.266	411JH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,757,030:00:0	
346	0	304	17:52:47.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 626.97 +/-	4O0	4	0	5,757,030:10:0	
347	0	304	17:52:49.333		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 627.09 +/-	4O0	4	0	5,757,030:12:1	
348	0	304	17:52:49.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 627.09 +/-	4O0	4	0	5,757,030:12:1	
349	0	304	17:52:51.266	411JH6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,757,030:15:0	
350	0	304	17:54:52.600	411JH6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,757,032:15:0	
351	0	304	17:54:53.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 656.14 +/-	4O0	4	0	5,757,032:16:0	
352	0	304	17:54:53.266	411JH6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,757,032:16:0	
353	0	304	17:54:54.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 656.20 +/-	4O0	4	0	5,757,032:17:8	
354	0	304	22:22:57.933	488BM6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,757,297:28:0	
355	0	305	07:07:21.266	488BN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,757,815:85:0	
356	0	305	07:13:45.266	488BN6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,757,822:24:0	
357	0	305	08:25:30.600	488BN6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,757,893:21:0	
358	0	305	08:52:19.933	488BN6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,757,919:69:0	
359	0	305	14:07:37.266	488BO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,758,231:53:0	
360	0	305	14:59:48.533	488BO6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,758,283:18:0	
361	0	305	15:07:21.200	488BO6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,758,290:60:0	
362	0	305	20:58:02.533	488BP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,758,637:45:0	
363	0	306	06:58:49.200	488BQ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,759,231:61:0	
364	0	306	12:38:01.200	488BQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,759,567:13:0	
365	0	306	13:35:05.200	488BR6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,759,623:53:0	
366	0	306	13:37:45.200	488BR6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,759,626:20:0	
367	0	306	19:00:45.200	488BR6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,759,945:61:0	
368	0	306	19:10:33.200	488BR6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,759,955:33:0	
369	0	306	19:40:25.200	488BS6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,759,984:82:0	
370	0	307	06:01:16.466	488BT6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,760,598:85:0	
371	0	307	06:05:29.133	488BT6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,760,603:09:0	
372	0	307	06:12:13.133	488BT6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,760,609:69:0	
373	0	307	12:33:45.133	488BU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,760,987:09:0	
374	0	307	13:26:18.466	488BU6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,761,039:07:0	
375	0	307	16:19:07.800	411JI6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,761,210:00:0	
376	0	307	16:19:07.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 656.20 +/-	4O0	4	0	5,761,210:00:0	
377	0	307	16:19:14.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 656.20 +/-	4O0	4	0	5,761,210:10:0	
378	0	307	16:19:15.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 656.32 +/-	4O0	4	0	5,761,210:12:1	
379	0	307	16:19:15.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 656.32 +/-	4O0	4	0	5,761,210:12:1	
380	0	307	16:19:17.800	411JI6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,761,210:15:0	
381	0	307	16:21:19.133	411JI6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,761,212:15:0	
382	0	307	16:21:19.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 685.36 +/-	4O0	4	0	5,761,212:16:0	
383	0	307	16:21:19.800	411JI6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,761,212:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	0	307	16:21:21.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 685.42 +/-	4O0	4	0	5,761,212:17:8	
385	0	307	21:58:09.133	488BV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,761,545:27:0	
386	0	307	23:10:21.800	488BV6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,761,616:65:0	
387	0	307	23:37:11.133	488BV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,761,643:22:0	
388	0	308	05:54:49.133	488BW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,762,016:66:0	
389	0	308	06:43:53.133	488BW6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,762,065:23:0	
390	0	308	07:36:43.800	488BW6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,762,117:47:0	
391	0	308	08:01:17.133	488BW6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,762,141:73:0	
392	0	308	12:23:05.066	488BX6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,762,400:66:0	
393	0	308	13:01:21.733	488BX6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,762,438:53:0	
394	0	308	19:54:19.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 685.42 +/-	4O0	4	0	5,762,847:00:0	
395	0	308	19:54:19.066	411JJ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,762,847:00:0	
396	0	308	19:54:25.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 685.42 +/-	4O0	4	0	5,762,847:10:0	
397	0	308	19:54:27.133		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 685.54 +/-	4O0	4	0	5,762,847:12:1	
398	0	308	19:54:27.133		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 685.54 +/-	4O0	4	0	5,762,847:12:1	
399	0	308	19:54:29.066	411JJ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,762,847:15:0	
400	0	308	19:56:30.400	411JJ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,762,849:15:0	
401	0	308	19:56:31.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 714.59 +/-	4O0	4	0	5,762,849:16:0	
402	0	308	19:56:31.066	411JJ6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,762,849:16:0	
403	0	308	19:56:32.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 714.65 +/-	4O0	4	0	5,762,849:17:8	
404	0	308	21:58:12.400	488BY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,762,969:48:0	
405	0	309	05:05:45.066	488BZ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,763,392:34:0	
406	0	309	12:18:49.066	488CA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,763,820:62:0	
407	0	309	12:31:24.400	488CA6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,763,833:12:0	
408	0	309	15:24:10.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 714.65 +/-	4O0	4	0	5,764,004:00:0	
409	0	309	15:24:10.400	411JK6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,764,004:00:0	
410	0	309	15:24:17.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 714.65 +/-	4O0	4	0	5,764,004:10:0	
411	0	309	15:24:18.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 714.77 +/-	4O0	4	0	5,764,004:12:1	
412	0	309	15:24:18.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 714.77 +/-	4O0	4	0	5,764,004:12:1	
413	0	309	15:24:20.400	411JK6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,764,004:15:0	
414	0	309	15:26:21.733	411JK6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,764,006:15:0	
415	0	309	15:26:22.400	411JK6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,764,006:16:0	
416	0	309	15:26:22.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 743.82 +/-	4O0	4	0	5,764,006:16:0	
417	0	309	15:26:23.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 743.88 +/-	4O0	4	0	5,764,006:17:8	
418	0	309	20:48:15.066	488CB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,764,324:47:0	
419	0	309	22:00:15.666	488CB6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,764,395:67:0	
420	0	309	22:27:05.000	488CB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,764,422:24:0	
421	0	310	05:44:09.000	488CC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,764,854:48:0	
422	0	310	06:48:09.000	488CC6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,764,917:75:0	
423	0	310	07:26:37.666	488CC6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,764,955:80:0	
424	0	310	07:51:11.000	488CC6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,764,980:15:0	
425	0	310	12:07:08.333	488CD6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,765,233:28:0	
426	0	310	12:08:09.000	488CD6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,765,234:28:0	
427	0	310	18:59:21.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 743.88 +/-	4O0	4	0	5,765,641:00:0	
428	0	310	18:59:21.666	411JL6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,765,641:00:0	
429	0	310	18:59:28.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 743.88 +/-	4O0	4	0	5,765,641:10:0	
430	0	310	18:59:29.733		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 744.00 +/-	4O0	4	0	5,765,641:12:1	
431	0	310	18:59:29.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 744.00 +/-	4O0	4	0	5,765,641:12:1	
432	0	310	18:59:31.666	411JL6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,765,641:15:0	
433	0	310	19:01:33.000	411JL6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,765,643:15:0	
434	0	310	19:01:33.666		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 773.05 +/-	4O0	4	0	5,765,643:16:0	
435	0	310	19:01:33.666	411JL6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,765,643:16:0	
436	0	310	19:01:34.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 773.11 +/-	4O0	4	0	5,765,643:17:8	
437	0	311	01:52:54.333	411JM6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,766,050:00:0	
438	0	311	01:52:54.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 773.11 +/-	4O0	4	0	5,766,050:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	0	311	01:53:01.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 773.11 +/-	4O0	4	0	5,766,050:10:0	
440	0	311	01:53:02.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 773.23 +/-	4O0	4	0	5,766,050:12:1	
441	0	311	01:53:02.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 773.23 +/-	4O0	4	0	5,766,050:12:1	
442	0	311	01:53:04.333	411JM6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,766,050:15:0	
443	0	311	01:55:05.666	411JM6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,766,052:15:0	
444	0	311	01:55:06.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 802.27 +/-	4O0	4	0	5,766,052:16:0	
445	0	311	01:55:06.333	411JM6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,766,052:16:0	
446	0	311	01:55:07.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 802.33 +/-	4O0	4	0	5,766,052:17:8	
447	0	311	08:45:26.266	411JN6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,766,458:00:0	
448	0	311	08:45:26.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 802.33 +/-	4O0	4	0	5,766,458:00:0	
449	0	311	08:45:32.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 802.33 +/-	4O0	4	0	5,766,458:10:0	
450	0	311	08:45:34.333		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 802.45 +/-	4O0	4	0	5,766,458:12:1	
451	0	311	08:45:34.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 802.45 +/-	4O0	4	0	5,766,458:12:1	
452	0	311	08:45:36.266	411JN6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,766,458:15:0	
453	0	311	08:47:37.600	411JN6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,766,460:15:0	
454	0	311	08:47:38.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 831.50 +/-	4O0	4	0	5,766,460:16:0	
455	0	311	08:47:38.266	411JN6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,766,460:16:0	
456	0	311	08:47:39.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 831.56 +/-	4O0	4	0	5,766,460:17:8	
457	0	311	10:23:18.933	488CE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,766,554:73:0	
458	0	311	11:35:10.933	488CE6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,766,625:80:0	
459	0	311	12:52:56.933	488CE6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,766,702:72:0	
460	0	311	17:08:56.933	488CF6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,766,955:89:0	
461	0	311	18:27:50.266	411JO6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,767,034:00:0	
462	0	311	18:27:50.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 831.56 +/-	4O0	4	0	5,767,034:00:0	
463	0	311	18:27:56.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 831.56 +/-	4O0	4	0	5,767,034:10:0	
464	0	311	18:27:58.333		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 831.68 +/-	4O0	4	0	5,767,034:12:1	
465	0	311	18:27:58.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 831.68 +/-	4O0	4	0	5,767,034:12:1	
466	0	311	18:28:00.266	411JO6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,767,034:15:0	
467	0	311	18:30:01.600	411JO6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,767,036:15:0	
468	0	311	18:30:02.266	411JO6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,767,036:16:0	
469	0	311	18:30:02.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 860.73 +/-	4O0	4	0	5,767,036:16:0	
470	0	311	18:30:03.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 860.79 +/-	4O0	4	0	5,767,036:17:8	
471	0	311	18:38:32.933	488CF6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,767,044:54:0	
472	0	311	18:51:20.933	488CF6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,767,057:23:0	
473	0	311	22:08:20.933	488CF6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,767,252:08:0	
474	0	312	06:33:12.933	488CG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,767,751:37:0	
475	0	312	06:50:16.933	488CG6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,767,768:26:0	
476	0	312	11:59:36.933	488CG6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,768,074:20:0	
477	0	312	13:44:08.933	488CH6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,768,177:55:0	
478	0	312	17:04:40.866	488CH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,768,375:85:0	
479	0	312	18:34:16.866	488CH6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,768,464:50:0	
480	0	312	18:43:21.533	488CH6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,768,473:48:0	
481	0	312	18:44:56.866	488CH6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,768,475:09:0	
482	0	312	18:53:28.866	488CI6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,768,483:49:0	
483	0	313	01:35:21.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 860.79 +/-	4O0	4	0	5,768,881:00:0	
484	0	313	01:35:21.533	411JP6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,768,881:00:0	
485	0	313	01:35:28.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 860.79 +/-	4O0	4	0	5,768,881:10:0	
486	0	313	01:35:29.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 860.91 +/-	4O0	4	0	5,768,881:12:1	
487	0	313	01:35:29.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 860.91 +/-	4O0	4	0	5,768,881:12:1	
488	0	313	01:35:31.533	411JP6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,768,881:15:0	
489	0	313	01:37:32.866	411JP6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,768,883:15:0	
490	0	313	01:37:33.533	411JP6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,768,883:16:0	
491	0	313	01:37:33.533		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 889.95 +/-	4O0	4	0	5,768,883:16:0	
492	0	313	01:37:34.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 890.01 +/-	4O0	4	0	5,768,883:17:8	
493	0	313	02:58:24.200	488CJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,768,963:12:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	0	313	04:10:06.866	488CJ6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,769,034	05:0
495	0	313	04:36:56.200	488CJ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,769,060	53:0
496	0	313	05:29:12.866	488CJ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,769,112	26:0
497	0	313	06:45:11.533	488CJ6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,769,187	39:0
498	0	313	06:52:24.866	488CK6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,769,194	52:0
499	0	313	10:12:31.533	488CK6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,769,392	44:0
500	0	313	11:53:12.866	488CK6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,769,492	06:0
501	0	313	13:21:35.533	488CL6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,769,579	43:0
502	0	313	13:27:04.866	488CL6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,769,584	82:0
503	0	313	20:13:38.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 890.01 +/-	4O0	4	0	5,769,987	00:0
504	0	313	20:13:38.866	411JQ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,769,987	00:0
505	0	313	20:13:45.533		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 890.01 +/-	4O0	4	0	5,769,987	10:0
506	0	313	20:13:46.933		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 890.13 +/-	4O0	4	0	5,769,987	12:1
507	0	313	20:13:46.933		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 890.13 +/-	4O0	4	0	5,769,987	12:1
508	0	313	20:13:48.866	411JQ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,769,987	15:0
509	0	313	20:15:50.200	411JQ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,769,989	15:0
510	0	313	20:15:50.866	411JQ6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,769,989	16:0
511	0	313	20:15:50.866		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 919.18 +/-	4O0	4	0	5,769,989	16:0
512	0	313	20:15:52.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 919.24 +/-	4O0	4	0	5,769,989	17:8
513	0	314	03:07:11.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 919.24 +/-	4O0	4	0	5,770,396	00:0
514	0	314	03:07:11.466	411JR6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,770,396	00:0
515	0	314	03:07:18.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 919.24 +/-	4O0	4	0	5,770,396	10:0
516	0	314	03:07:19.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 919.36 +/-	4O0	4	0	5,770,396	12:1
517	0	314	03:07:19.533		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 919.36 +/-	4O0	4	0	5,770,396	12:1
518	0	314	03:07:21.466	411JR6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,770,396	15:0
519	0	314	03:09:22.800	411JR6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,770,398	15:0
520	0	314	03:09:23.466	411JR6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,770,398	16:0
521	0	314	03:09:23.466		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 948.41 +/-	4O0	4	0	5,770,398	16:0
522	0	314	03:09:24.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 948.47 +/-	4O0	4	0	5,770,398	17:8
523	0	314	06:07:34.133	488CM6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,770,574	36:0
524	0	314	11:48:56.800	488CM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,770,912	02:0
525	0	314	14:03:20.800	488CN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,771,044	86:0
526	0	314	14:25:15.466	488CN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,771,066	56:0
527	0	314	14:31:04.800	488CN6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,771,072	34:0
528	0	314	17:17:32.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 948.47 +/-	4O0	4	0	5,771,237	00:0
529	0	314	17:17:32.133	411JS6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,771,237	00:0
530	0	314	17:17:38.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 948.47 +/-	4O0	4	0	5,771,237	10:0
531	0	314	17:17:40.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 948.59 +/-	4O0	4	0	5,771,237	12:1
532	0	314	17:17:40.200		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 948.59 +/-	4O0	4	0	5,771,237	12:1
533	0	314	17:17:42.133	411JS6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,771,237	15:0
534	0	314	17:19:43.466	411JS6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,771,239	15:0
535	0	314	17:19:44.133	411JS6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,771,239	16:0
536	0	314	17:19:44.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 977.63 +/-	4O0	4	0	5,771,239	16:0
537	0	314	17:19:45.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 977.69 +/-	4O0	4	0	5,771,239	17:8
538	0	314	22:13:28.133	488CO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,771,529	62:0
539	0	315	06:01:39.466	488CP6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,771,992	66:0
540	0	315	06:07:36.800	488CP6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,771,998	56:0
541	0	315	06:12:36.133	488CP6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,772,003	50:0
542	0	315	11:38:16.800	488CP6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,772,325	59:0
543	0	315	13:56:40.733	488CQ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,772,462	48:0
544	0	315	16:49:02.733	411JT6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,772,633	00:0
545	0	315	16:49:02.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 977.69 +/-	4O0	4	0	5,772,633	00:0
546	0	315	16:49:09.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 977.69 +/-	4O0	4	0	5,772,633	10:0
547	0	315	16:49:10.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 977.81 +/-	4O0	4	0	5,772,633	12:1
548	0	315	16:49:10.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 977.81 +/-	4O0	4	0	5,772,633	12:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	0	315	16:49:12.733	411JT6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,772,633	15:0
550	0	315	16:51:14.066	411JT6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,772,635	15:0
551	0	315	16:51:14.733	411JT6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,772,635	16:0
552	0	315	16:51:14.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1006.86 +/-	4O0	4	0	5,772,635	16:0
553	0	315	16:51:15.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1006.92 +/-	4O0	4	0	5,772,635	17:8
554	0	315	21:43:31.400	488CR6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,772,924	22:0
555	0	315	22:54:59.400	488CR6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,772,994	84:0
556	0	315	23:20:30.066	31N6B,	6MROH		12 read from LLM1A12,2282,0,A2	4O0	4	0	5,773,020	14:0
557	0	315	23:21:49.400	488CR6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,773,021	42:0
558	0	316	05:10:00.733	488CS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,773,365	75:0
559	0	316	06:24:40.733	488CS6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,773,439	61:0
560	0	316	07:01:22.066	488CS6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,773,475	87:0
561	0	316	07:25:54.733	488CS6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,773,500	21:0
562	0	316	11:07:23.400	488CS6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,773,719	25:0
563	0	316	11:08:24.733	488CT6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,773,720	26:0
564	0	316	17:59:38.733	411JU6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,774,127	00:0
565	0	316	17:59:38.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1006.92 +/-	4O0	4	0	5,774,127	00:0
566	0	316	17:59:45.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1006.92 +/-	4O0	4	0	5,774,127	10:0
567	0	316	17:59:46.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1007.04 +/-	4O0	4	0	5,774,127	12:1
568	0	316	17:59:46.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1007.04 +/-	4O0	4	0	5,774,127	12:1
569	0	316	17:59:48.733	411JU6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,774,127	15:0
570	0	316	18:01:50.066	411JU6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,774,129	15:0
571	0	316	18:01:50.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1036.09 +/-	4O0	4	0	5,774,129	16:0
572	0	316	18:01:50.733	411JU6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,774,129	16:0
573	0	316	18:01:51.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1036.15 +/-	4O0	4	0	5,774,129	17:8
574	0	317	00:53:11.333	411JV6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,774,536	00:0
575	0	317	00:53:11.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1036.15 +/-	4O0	4	0	5,774,536	00:0
576	0	317	00:53:18.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1036.15 +/-	4O0	4	0	5,774,536	10:0
577	0	317	00:53:19.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1036.27 +/-	4O0	4	0	5,774,536	12:1
578	0	317	00:53:19.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1036.27 +/-	4O0	4	0	5,774,536	12:1
579	0	317	00:53:21.333	411JV6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,774,536	15:0
580	0	317	00:55:22.666	411JV6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,774,538	15:0
581	0	317	00:55:23.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1065.31 +/-	4O0	4	0	5,774,538	16:0
582	0	317	00:55:23.333	411JV6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,774,538	16:0
583	0	317	00:55:24.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1065.37 +/-	4O0	4	0	5,774,538	17:8
584	0	317	07:45:43.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1065.37 +/-	4O0	4	0	5,774,944	00:0
585	0	317	07:45:43.333	411JW6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,774,944	00:0
586	0	317	07:45:50.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1065.37 +/-	4O0	4	0	5,774,944	10:0
587	0	317	07:45:51.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1065.49 +/-	4O0	4	0	5,774,944	12:1
588	0	317	07:45:51.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1065.49 +/-	4O0	4	0	5,774,944	12:1
589	0	317	07:45:53.333	411JW6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,774,944	15:0
590	0	317	07:47:54.666	411JW6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,774,946	15:0
591	0	317	07:47:55.333	411JW6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,774,946	16:0
592	0	317	07:47:55.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1094.54 +/-	4O0	4	0	5,774,946	16:0
593	0	317	07:47:56.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1094.60 +/-	4O0	4	0	5,774,946	17:8
594	0	317	14:38:15.333	411JX6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,775,352	00:0
595	0	317	14:38:15.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1094.60 +/-	4O0	4	0	5,775,352	00:0
596	0	317	14:38:22.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1094.60 +/-	4O0	4	0	5,775,352	10:0
597	0	317	14:38:23.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1094.72 +/-	4O0	4	0	5,775,352	12:1
598	0	317	14:38:23.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1094.72 +/-	4O0	4	0	5,775,352	12:1
599	0	317	14:38:25.333	411JX6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,775,352	15:0
600	0	317	14:40:26.666	411JX6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,775,354	15:0
601	0	317	14:40:27.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1123.77 +/-	4O0	4	0	5,775,354	16:0
602	0	317	14:40:27.333	411JX6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,775,354	16:0
603	0	317	14:40:28.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1123.83 +/-	4O0	4	0	5,775,354	17:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	0	317	21:31:48.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1123.83 +/-	4O0	4	0	5,775,761	00:0
605	0	317	21:31:48.000	411JY6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,775,761	00:0
606	0	317	21:31:54.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1123.83 +/-	4O0	4	0	5,775,761	10:0
607	0	317	21:31:56.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1123.95 +/-	4O0	4	0	5,775,761	12:1
608	0	317	21:31:56.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1123.95 +/-	4O0	4	0	5,775,761	12:1
609	0	317	21:31:58.000	411JY6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,775,761	15:0
610	0	317	21:33:59.333	411JY6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,775,763	15:0
611	0	317	21:34:00.000	411JY6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,775,763	16:0
612	0	317	21:34:00.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1152.99 +/-	4O0	4	0	5,775,763	16:0
613	0	317	21:34:01.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1153.05 +/-	4O0	4	0	5,775,763	17:8
614	0	318	02:38:35.333	488CU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,776,064	38:0
615	0	318	04:46:32.666	488CU6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,776,190	88:0
616	0	318	11:14:48.600	488CV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,776,574	88:0
617	0	318	12:01:59.933	20UV4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,776,621	58:0
618	0	318	12:02:59.933	20UV4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,776,622	57:0
619	0	318	12:04:59.933	20UV4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,776,624	55:0
620	0	318	12:10:29.933	20UV4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,776,630	04:0
621	0	318	12:10:30.600	20UV4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,776,630	05:0
622	0	318	12:10:50.600	20UV4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,776,630	35:0
623	0	318	12:10:51.266	20UV4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,776,630	36:0
624	0	318	12:11:11.266	20UV4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,776,630	66:0
625	0	318	12:11:11.933	20UV4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,776,630	67:0
626	0	318	12:11:21.933	20UV4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,776,630	82:0
627	0	318	12:11:22.600	20UV4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,776,630	83:0
628	0	318	12:11:32.600	20UV4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,776,631	07:0
629	0	318	12:11:33.266	20UV4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,776,631	08:0
630	0	318	12:13:19.933	20UV4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,776,632	77:0
631	0	318	12:13:20.600	20UV4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,776,632	78:0
632	0	318	12:13:40.600	20UV4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,776,633	17:0
633	0	318	12:13:41.266	20UV4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,776,633	18:0
634	0	318	12:14:01.266	20UV4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,776,633	48:0
635	0	318	12:14:01.933	20UV4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,776,633	49:0
636	0	318	12:14:11.933	20UV4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,776,633	64:0
637	0	318	12:14:12.600	20UV4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,776,633	65:0
638	0	318	12:14:22.600	20UV4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,776,633	80:0
639	0	318	12:14:23.266	20UV4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,776,633	81:0
640	0	318	12:15:19.933	20UV4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,776,634	75:0
641	0	318	12:34:59.266	432PF431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,776,654	24:0
642	0	318	12:34:59.933	432PF6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,776,654	25:0
643	0	318	13:44:08.600	488CV6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,776,722	60:0
644	0	318	14:05:23.266	488CV6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,776,743	61:0
645	0	318	14:11:52.600	488CV6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,776,750	08:0
646	0	318	16:57:36.600	411JZ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,776,914	00:0
647	0	318	16:57:36.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1153.05 +/-	4O0	4	0	5,776,914	00:0
648	0	318	16:57:43.266		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1153.05 +/-	4O0	4	0	5,776,914	10:0
649	0	318	16:57:44.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1153.17 +/-	4O0	4	0	5,776,914	12:1
650	0	318	16:57:44.666		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1153.17 +/-	4O0	4	0	5,776,914	12:1
651	0	318	16:57:46.600	411JZ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,776,914	15:0
652	0	318	16:59:47.933	411JZ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,776,916	15:0
653	0	318	16:59:48.600		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1182.22 +/-	4O0	4	0	5,776,916	16:0
654	0	318	16:59:48.600	411JZ6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,776,916	16:0
655	0	318	16:59:49.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1182.28 +/-	4O0	4	0	5,776,916	17:8
656	0	318	22:08:35.933	488CW6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,777,221	52:0
657	0	318	23:19:53.933	488CW6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,777,292	08:0
658	0	318	23:46:43.266	488CW6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,777,318	56:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	0	319	04:48:40.600	488CX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,777,617:23:0	
660	0	319	06:24:40.600	488CX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,777,712:18:0	
661	0	319	06:43:52.600	488CX6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,777,731:17:0	
662	0	319	06:46:15.933	488CX6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,777,733:50:0	
663	0	319	07:10:48.600	488CX6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,777,757:75:0	
664	0	319	11:08:24.600	488CY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,777,992:74:0	
665	0	319	13:39:52.600	488CY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,778,142:56:0	
666	0	319	13:56:56.600	488CY6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,778,159:45:0	
667	0	319	16:19:52.600	488CY6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,778,300:78:0	
668	0	319	18:00:08.600	488CZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,778,400:02:0	
669	0	319	18:13:34.600	488CZ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,778,413:28:0	
670	0	319	18:15:04.600	488CZ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,778,414:72:0	
671	0	319	18:23:36.600	488CZ6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,778,423:21:0	
672	0	319	19:18:38.533	488CZ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,778,477:60:0	
673	0	320	05:52:40.533	488DA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,779,104:66:0	
674	0	320	05:59:04.533	488DA6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,779,111:05:0	
675	0	320	10:59:52.533	488DA6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,779,408:50:0	
676	0	320	13:33:28.533	488DB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,779,560:42:0	
677	0	320	13:52:40.533	488DB6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,779,579:41:0	
678	0	320	14:59:50.533	488DB6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,779,645:80:0	
679	0	320	15:26:40.533	488DB6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,779,672:38:0	
680	0	320	16:19:52.533	488DB6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,779,725:03:0	
681	0	320	17:53:44.533	488DC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,779,817:79:0	
682	0	320	18:11:33.200	488DC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,779,835:44:0	
683	0	320	18:15:04.533	488DC6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,779,838:88:0	
684	0	320	18:25:44.533	488DC6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,779,849:47:0	
685	0	321	01:03:35.866	411KA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,780,243:00:0	
686	0	321	01:03:35.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1182.28 +/-	4O0	4	0	5,780,243:00:0	
687	0	321	01:03:42.533		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1182.28 +/-	4O0	4	0	5,780,243:10:0	
688	0	321	01:03:43.933		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1182.40 +/-	4O0	4	0	5,780,243:12:1	
689	0	321	01:03:43.933		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1182.40 +/-	4O0	4	0	5,780,243:12:1	
690	0	321	01:03:45.866	411KA6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,780,243:15:0	
691	0	321	01:05:47.200	411KA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,780,245:15:0	
692	0	321	01:05:47.866	411KA6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,780,245:16:0	
693	0	321	01:05:47.866		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1211.45 +/-	4O0	4	0	5,780,245:16:0	
694	0	321	01:05:49.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1211.51 +/-	4O0	4	0	5,780,245:17:8	
695	0	321	06:07:47.133	488DD6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,780,543:77:0	
696	0	321	10:49:12.466	488DD6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,780,822:16:0	
697	0	321	13:29:12.466	488DE6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,780,980:38:0	
698	0	321	16:04:56.466	488DE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,781,134:40:0	
699	0	321	17:49:28.466	488DE6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,781,237:75:0	
700	0	321	18:47:04.466	488DE6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,781,294:72:0	
701	0	322	05:39:52.466	488DF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,781,940:38:0	
702	0	322	06:00:29.800	488DF6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,781,960:74:0	
703	0	322	06:07:36.466	488DF6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,781,967:77:0	
704	0	322	06:12:49.133	488DF6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,781,973:00:0	
705	0	322	10:38:32.466	488DF6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,782,235:73:0	
706	0	322	13:24:56.466	488DG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,782,400:34:0	
707	0	322	13:42:00.466	488DG6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,782,417:23:0	
708	0	322	15:58:32.400	488DG6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,782,552:26:0	
709	0	322	17:45:12.400	488DG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,782,657:71:0	
710	0	322	17:58:38.400	488DG6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,782,671:06:0	
711	0	322	18:00:08.400	488DH6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,782,672:50:0	
712	0	322	18:08:40.400	488DH6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,782,680:90:0	
713	0	322	21:53:42.400	488DH6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,782,903:50:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	0	322	23:04:47.733	488DH6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,782,973:78:0	
715	0	322	23:31:37.066	488DH6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,783,000:35:0	
716	0	323	04:18:48.400	488DI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,783,284:38:0	
717	0	323	06:03:20.400	488DI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,783,387:73:0	
718	0	323	06:22:32.400	488DI6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,783,406:72:0	
719	0	323	06:31:11.066	488DI6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,783,415:31:0	
720	0	323	06:55:43.733	488DI6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,783,439:56:0	
721	0	323	10:04:24.400	488DJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,783,626:20:0	
722	0	323	11:57:28.400	488DJ6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,783,738:04:0	
723	0	323	15:54:16.400	488DJ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,783,972:22:0	
724	0	323	17:38:48.400	488DK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,784,075:57:0	
725	0	323	17:53:11.066	488DK6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,784,089:77:0	
726	0	323	17:53:44.400	488DK6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,784,090:36:0	
727	0	323	18:02:16.400	488DK6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,784,098:76:0	
728	0	324	00:45:52.400	411KB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,784,498:00:0	
729	0	324	00:45:52.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1211.51 +/-	4O0	4	0	5,784,498:00:0	
730	0	324	00:45:59.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1211.51 +/-	4O0	4	0	5,784,498:10:0	
731	0	324	00:46:00.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1211.63 +/-	4O0	4	0	5,784,498:12:1	
732	0	324	00:46:00.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1211.63 +/-	4O0	4	0	5,784,498:12:1	
733	0	324	00:46:02.400	411KB6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,784,498:15:0	
734	0	324	00:48:03.733	411KB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,784,500:15:0	
735	0	324	00:48:04.400	411KB6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,784,500:16:0	
736	0	324	00:48:04.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1240.68 +/-	4O0	4	0	5,784,500:16:0	
737	0	324	00:48:05.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1240.74 +/-	4O0	4	0	5,784,500:17:8	
738	0	324	07:38:24.333	411KC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,784,906:00:0	
739	0	324	07:38:24.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1240.74 +/-	4O0	4	0	5,784,906:00:0	
740	0	324	07:38:31.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1240.74 +/-	4O0	4	0	5,784,906:10:0	
741	0	324	07:38:32.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1240.86 +/-	4O0	4	0	5,784,906:12:1	
742	0	324	07:38:32.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1240.86 +/-	4O0	4	0	5,784,906:12:1	
743	0	324	07:38:34.333	411KC6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,784,906:15:0	
744	0	324	07:40:35.666	411KC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,784,908:15:0	
745	0	324	07:40:36.333	411KC6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,784,908:16:0	
746	0	324	07:40:36.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1269.90 +/-	4O0	4	0	5,784,908:16:0	
747	0	324	07:40:37.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1269.96 +/-	4O0	4	0	5,784,908:17:8	
748	0	324	09:54:37.666	488DL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,785,040:66:0	
749	0	324	10:06:32.333	488DL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,785,052:46:0	
750	0	324	11:57:28.333	488DL6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,785,162:20:0	
751	0	324	15:43:36.333	488DL6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,785,385:79:0	
752	0	324	17:34:32.333	488DM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,785,495:53:0	
753	0	324	17:48:26.333	488DM6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,785,509:30:0	
754	0	324	17:49:28.333	488DM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,785,510:32:0	
755	0	324	17:58:00.333	488DM6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,785,518:72:0	
756	0	324	21:28:44.333	488DM6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,785,727:19:0	
757	0	325	05:24:56.333	488DN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,786,198:16:0	
758	0	325	06:10:32.333	488DN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,786,243:25:0	
759	0	325	06:16:08.333	488DN6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,786,248:74:0	
760	0	325	08:37:51.666	488DN6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,786,388:89:0	
761	0	325	10:00:08.333	488DN6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,786,470:32:0	
762	0	325	13:10:00.266	488DO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,786,658:12:0	
763	0	325	13:29:12.266	488DO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,786,677:11:0	
764	0	325	14:39:45.600	488DO6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,786,746:82:0	
765	0	325	15:06:34.933	488DO6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,786,773:39:0	
766	0	325	15:35:04.266	488DO6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,786,801:55:0	
767	0	325	17:30:16.266	488DP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,786,915:49:0	
768	0	325	17:42:46.266	488DP6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,786,927:82:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	0	325	17:51:36.266	488DP6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,786,936	58:0
770	0	326	00:35:24.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1269.96 +/-	4O0	4	0	5,787,336	00:0
771	0	326	00:35:24.266	411KD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,787,336	00:0
772	0	326	00:35:30.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1269.96 +/-	4O0	4	0	5,787,336	10:0
773	0	326	00:35:32.333		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1270.08 +/-	4O0	4	0	5,787,336	12:1
774	0	326	00:35:32.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1270.08 +/-	4O0	4	0	5,787,336	12:1
775	0	326	00:35:34.266	411KD6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,787,336	15:0
776	0	326	00:37:35.600	411KD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,787,338	15:0
777	0	326	00:37:36.266	411KD6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,787,338	16:0
778	0	326	00:37:36.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1299.13 +/-	4O0	4	0	5,787,338	16:0
779	0	326	00:37:37.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1299.19 +/-	4O0	4	0	5,787,338	17:8
780	0	326	03:28:18.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1299.19 +/-	4O0	4	0	5,787,507	00:0
781	0	326	03:28:18.266	411KE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,787,507	00:0
782	0	326	03:28:24.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1299.19 +/-	4O0	4	0	5,787,507	10:0
783	0	326	03:28:26.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1299.31 +/-	4O0	4	0	5,787,507	12:1
784	0	326	03:28:26.333		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1299.31 +/-	4O0	4	0	5,787,507	12:1
785	0	326	03:28:28.266	411KE6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,787,507	15:0
786	0	326	03:30:29.600	411KE6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,787,509	15:0
787	0	326	03:30:30.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1328.36 +/-	4O0	4	0	5,787,509	16:0
788	0	326	03:30:30.266	411KE6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,787,509	16:0
789	0	326	03:30:31.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1328.42 +/-	4O0	4	0	5,787,509	17:8
790	0	326	08:02:51.600	488DQ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,787,778	49:0
791	0	326	09:45:12.266	488DQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,787,879	69:0
792	0	326	13:03:36.266	488DQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,788,075	89:0
793	0	326	13:10:33.600	488DQ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,788,082	78:0
794	0	326	13:16:24.266	488DQ6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,788,088	58:0
795	0	326	20:03:14.266	411KF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,788,491	00:0
796	0	326	20:03:14.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1328.42 +/-	4O0	4	0	5,788,491	00:0
797	0	326	20:03:20.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1328.42 +/-	4O0	4	0	5,788,491	10:0
798	0	326	20:03:22.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1328.54 +/-	4O0	4	0	5,788,491	12:1
799	0	326	20:03:22.333		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1328.54 +/-	4O0	4	0	5,788,491	12:1
800	0	326	20:03:24.266	411KF6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,788,491	15:0
801	0	326	20:05:25.600	411KF6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,788,493	15:0
802	0	326	20:05:26.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1357.58 +/-	4O0	4	0	5,788,493	16:0
803	0	326	20:05:26.266	411KF6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,788,493	16:0
804	0	326	20:05:27.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1357.64 +/-	4O0	4	0	5,788,493	17:8
805	0	327	02:55:46.200	411KG6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,788,899	00:0
806	0	327	02:55:46.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1357.64 +/-	4O0	4	0	5,788,899	00:0
807	0	327	02:55:52.866		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1357.64 +/-	4O0	4	0	5,788,899	10:0
808	0	327	02:55:54.266		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1357.76 +/-	4O0	4	0	5,788,899	12:1
809	0	327	02:55:54.266		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1357.76 +/-	4O0	4	0	5,788,899	12:1
810	0	327	02:55:56.200	411KG6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,788,899	15:0
811	0	327	02:57:57.533	411KG6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,788,901	15:0
812	0	327	02:57:58.200	411KG6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,788,901	16:0
813	0	327	02:57:58.200		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1386.81 +/-	4O0	4	0	5,788,901	16:0
814	0	327	02:57:59.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1386.87 +/-	4O0	4	0	5,788,901	17:8
815	0	327	05:32:52.866	488DR6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,789,054	35:0
816	0	327	09:23:52.200	488DR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,789,282	76:0
817	0	327	12:08:08.200	488DS6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,789,445	27:0
818	0	327	15:20:08.200	488DS6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,789,635	17:0
819	0	327	17:19:36.200	488DS6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,789,753	31:0
820	0	327	17:30:33.533	488DS6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,789,764	16:0
821	0	328	00:22:54.866	411KH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,790,172	00:0
822	0	328	00:22:54.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1386.87 +/-	4O0	4	0	5,790,172	00:0
823	0	328	00:23:01.533		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1386.87 +/-	4O0	4	0	5,790,172	10:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	0	328	00:23:02.933		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1386.99 +/-	4O0	4	0	5,790,172:12:1	
825	0	328	00:23:02.933		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1386.99 +/-	4O0	4	0	5,790,172:12:1	
826	0	328	00:23:04.866	411KH6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,790,172:15:0	
827	0	328	00:25:06.200	411KH6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,790,174:15:0	
828	0	328	00:25:06.866	411KH6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,790,174:16:0	
829	0	328	00:25:06.866		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1416.04 +/-	4O0	4	0	5,790,174:16:0	
830	0	328	00:25:08.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1416.10 +/-	4O0	4	0	5,790,174:17:8	
831	0	328	07:16:27.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1416.10 +/-	4O0	4	0	5,790,581:00:0	
832	0	328	07:16:27.533	411KI6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,790,581:00:0	
833	0	328	07:16:34.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1416.10 +/-	4O0	4	0	5,790,581:10:0	
834	0	328	07:16:35.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1416.22 +/-	4O0	4	0	5,790,581:12:1	
835	0	328	07:16:35.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1416.22 +/-	4O0	4	0	5,790,581:12:1	
836	0	328	07:16:37.533	411KI6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,790,581:15:0	
837	0	328	07:18:38.866	411KI6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,790,583:15:0	
838	0	328	07:18:39.533		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1445.26 +/-	4O0	4	0	5,790,583:16:0	
839	0	328	07:18:39.533	411KI6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,790,583:16:0	
840	0	328	07:18:40.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1445.32 +/-	4O0	4	0	5,790,583:17:8	
841	0	328	11:49:40.800	488DT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,790,851:20:0	
842	0	328	12:01:44.133	488DT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,790,863:13:0	
843	0	328	12:59:43.466	488DT6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,790,920:45:0	
844	0	328	13:26:33.466	488DT6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,790,947:03:0	
845	0	328	15:05:12.133	488DT6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,791,044:54:0	
846	0	328	17:15:20.133	488DU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,791,173:27:0	
847	0	328	17:31:33.466	488DU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,791,189:31:0	
848	0	328	17:34:32.133	488DU6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,791,192:26:0	
849	0	328	17:45:12.133	488DU6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,791,202:76:0	
850	0	329	00:23:44.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1445.32 +/-	4O0	4	0	5,791,597:00:0	
851	0	329	00:23:44.800	411KJ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,791,597:00:0	
852	0	329	00:23:51.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1445.32 +/-	4O0	4	0	5,791,597:10:0	
853	0	329	00:23:52.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1445.44 +/-	4O0	4	0	5,791,597:12:1	
854	0	329	00:23:52.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1445.44 +/-	4O0	4	0	5,791,597:12:1	
855	0	329	00:23:54.800	411KJ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,791,597:15:0	
856	0	329	00:25:56.133	411KJ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,791,599:15:0	
857	0	329	00:25:56.800	411KJ6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,791,599:16:0	
858	0	329	00:25:56.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1474.49 +/-	4O0	4	0	5,791,599:16:0	
859	0	329	00:25:58.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1474.55 +/-	4O0	4	0	5,791,599:17:8	
860	0	329	02:47:19.466		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 1474.55 +/-	4O0	4	0	5,791,739:00:0	
861	0	329	02:47:19.466	465WA6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	5,791,739:00:0	
862	0	329	02:47:19.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1474.55 +/-	4O0	4	0	5,791,739:00:0	
863	0	329	02:47:26.133		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 1474.55 +/-	4O0	4	0	5,791,739:10:0	
864	0	329	02:47:27.533		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *1474.67 +/-	4O0	4	0	5,791,739:12:1	
865	0	329	04:03:47.466	488DV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,791,814:57:0	
866	0	329	06:16:08.133	488DV6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,791,945:47:0	
867	0	329	06:57:58.933		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	5,791,986:82:2	
868	0	329	06:58:00.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	5,791,986:84:0	
869	0	329	08:04:56.133	488DV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,792,053:11:0	
870	0	329	08:41:00.800		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	5,792,088:73:0	
871	0	329	08:41:00.800	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,792,088:73:0	
872	0	329	08:41:02.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	5,792,088:75:1	
873	0	329	08:41:07.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	5,792,088:83:0	
874	0	329	08:41:08.666		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	5,792,088:84:8	
875	0	329	08:41:12.533		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	5,792,088:90:6	
876	0	329	08:41:12.533		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	5,792,088:90:6	
877	0	329	09:06:52.800	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,792,114:35:0	
878	0	329	09:06:52.800		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	5,792,114:35:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	0	329	09:06:54.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	5,792,114:36:8	
880	0	329	11:06:42.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	5,792,232:81:0	
881	0	329	11:06:42.133		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	5,792,232:81:0	
882	0	329	11:06:42.133	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	4O0	4	0	5,792,232:81:0	
883	0	329	11:06:43.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	5,792,232:83:1	
884	0	329	11:06:48.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	5,792,233:00:0	
885	0	329	11:06:50.000		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	5,792,233:01:8	
886	0	329	11:06:51.400		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	5,792,233:03:9	
887	0	329	11:10:09.466	488DW6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,792,236:28:0	
888	0	329	11:10:52.066		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,792,237:00:9	
889	0	329	11:10:53.266		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,792,237:02:7	
890	0	329	11:10:53.266		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,792,237:02:7	
891	0	329	11:10:54.666		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,792,237:04:8	
892	0	329	11:11:06.666		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,792,237:22:8	
893	0	329	11:11:07.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,792,237:24:6	
894	0	329	11:16:44.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,792,242:75:0	
895	0	329	11:16:44.800	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,792,242:75:0	
896	0	329	11:16:51.466		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,792,242:85:0	
897	0	329	11:16:55.333		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	5,792,242:90:8	
898	0	329	11:16:55.333		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	5,792,242:90:8	
899	0	329	11:48:38.800		DMS:	**: *RUNDOWN**	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	5,792,274:34:0	
900	0	329	11:48:38.800	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	5,792,274:34:0	
901	0	329	11:48:40.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	5,792,274:35:8	
902	0	329	12:04:14.800	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,792,289:73:0	
903	0	329	12:04:14.800		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	5,792,289:73:0	
904	0	329	12:04:16.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	5,792,289:75:1	
905	0	329	12:04:21.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	5,792,289:83:0	
906	0	329	12:04:22.666		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	5,792,289:84:8	
907	0	329	12:04:26.533		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	5,792,289:90:6	
908	0	329	12:04:26.533		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	5,792,289:90:6	
909	0	329	12:36:22.800		DMS:	**: *RUNDOWN**	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	5,792,321:53:0	
910	0	329	12:36:22.800	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,792,321:53:0	
911	0	329	12:36:24.000		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	5,792,321:54:8	
912	0	329	12:36:27.866		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	5,792,321:60:6	
913	0	329	12:36:27.866		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	5,792,321:60:6	
914	0	329	12:44:24.133	488DW6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,792,329:47:0	
915	0	329	13:08:23.466		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	5,792,353:22:0	
916	0	329	13:08:23.466	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,792,353:22:0	
917	0	329	13:08:24.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	5,792,353:23:8	
918	0	329	13:14:49.466	488DW6C	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,792,359:55:0	
919	0	329	13:18:32.133	488DW6D	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	4O0	4	0	5,792,363:25:0	
920	0	329	13:23:06.800		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	5,792,367:73:0	
921	0	329	13:23:06.800	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,792,367:73:0	
922	0	329	13:23:08.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	5,792,367:75:1	
923	0	329	13:23:13.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	5,792,367:83:0	
924	0	329	13:23:14.666		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	5,792,367:84:8	
925	0	329	13:23:18.533		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	5,792,367:90:6	
926	0	329	13:23:18.533		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	5,792,367:90:6	
927	0	329	13:55:14.133	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,792,399:52:0	
928	0	329	13:55:14.133		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	5,792,399:52:0	
929	0	329	13:55:15.333		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	5,792,399:53:8	
930	0	329	13:55:19.200		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	5,792,399:59:6	
931	0	329	13:55:19.200		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	5,792,399:59:6	
932	0	329	13:56:20.133		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	5,792,400:60:0	
933	0	329	13:56:20.133	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,792,400:60:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	0	329	13:56:21.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	5,792,400	61:8
935	0	329	13:56:59.466	488DW6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,792,401	28:0
936	0	329	14:10:50.133	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,792,415	00:0
937	0	329	14:10:50.133		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	5,792,415	00:0
938	0	329	14:11:44.133		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	5,792,415	81:0
939	0	329	14:11:44.133	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	4O0	4	0	5,792,415	81:0
940	0	329	14:11:44.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	5,792,415	81:0
941	0	329	14:11:45.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	5,792,415	83:1
942	0	329	14:11:50.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	5,792,416	00:0
943	0	329	14:11:52.000		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	5,792,416	01:8
944	0	329	14:11:53.400		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	5,792,416	03:9
945	0	329	14:23:19.200		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,792,427	31:6
946	0	329	14:23:20.400		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,792,427	33:4
947	0	329	14:23:20.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,792,427	33:4
948	0	329	14:23:21.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,792,427	35:5
949	0	329	14:23:33.800		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,792,427	53:5
950	0	329	14:23:35.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,792,427	55:3
951	0	329	14:49:15.466		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,792,453	00:0
952	0	329	14:49:15.466		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,792,453	00:0
953	0	329	14:49:15.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,792,453	00:0
954	0	329	14:49:15.466	465JC6A	6DMST	1496	DMS Slew to TIC	4O0	4	0	5,792,453	00:0
955	0	329	14:49:22.133		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,792,453	10:0
956	0	329	14:49:23.533		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	5,792,453	12:1
957	0	329	16:21:13.600		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *1493.94 +/-	4O0	4	0	5,792,543	87:2
958	0	329	16:21:14.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1494.00 +/-	4O0	4	0	5,792,543	89:0
959	0	329	20:07:45.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1494.00 +/-	4O0	4	0	5,792,768	00:0
960	0	329	20:07:45.400	411KK6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,792,768	00:0
961	0	329	20:07:52.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1494.00 +/-	4O0	4	0	5,792,768	10:0
962	0	329	20:07:53.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1494.12 +/-	4O0	4	0	5,792,768	12:1
963	0	329	20:07:53.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1494.12 +/-	4O0	4	0	5,792,768	12:1
964	0	329	20:07:55.400	411KK6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,792,768	15:0
965	0	329	20:09:56.733	411KK6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,792,770	15:0
966	0	329	20:09:57.400	411KK6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,792,770	16:0
967	0	329	20:09:57.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1523.17 +/-	4O0	4	0	5,792,770	16:0
968	0	329	20:09:58.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1523.23 +/-	4O0	4	0	5,792,770	17:8
969	0	330	03:00:17.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1523.23 +/-	4O0	4	0	5,793,176	00:0
970	0	330	03:00:17.400	411KL6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,793,176	00:0
971	0	330	03:00:24.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1523.23 +/-	4O0	4	0	5,793,176	10:0
972	0	330	03:00:25.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1523.35 +/-	4O0	4	0	5,793,176	12:1
973	0	330	03:00:25.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1523.35 +/-	4O0	4	0	5,793,176	12:1
974	0	330	03:00:27.400	411KL6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,793,176	15:0
975	0	330	03:02:28.733	411KL6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,793,178	15:0
976	0	330	03:02:29.400	411KL6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,793,178	16:0
977	0	330	03:02:29.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1552.39 +/-	4O0	4	0	5,793,178	16:0
978	0	330	03:02:30.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1552.45 +/-	4O0	4	0	5,793,178	17:8
979	0	330	09:52:49.400	411KM6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,793,584	00:0
980	0	330	09:52:49.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1552.45 +/-	4O0	4	0	5,793,584	00:0
981	0	330	09:52:56.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1552.45 +/-	4O0	4	0	5,793,584	10:0
982	0	330	09:52:57.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1552.57 +/-	4O0	4	0	5,793,584	12:1
983	0	330	09:52:57.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1552.57 +/-	4O0	4	0	5,793,584	12:1
984	0	330	09:52:59.400	411KM6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,793,584	15:0
985	0	330	09:55:00.733	411KM6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,793,586	15:0
986	0	330	09:55:01.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1581.62 +/-	4O0	4	0	5,793,586	16:0
987	0	330	09:55:01.400	411KM6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,793,586	16:0
988	0	330	09:55:02.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1581.68 +/-	4O0	4	0	5,793,586	17:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	0	330	16:46:22.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1581.68 +/-	4O0	4	0	5,793,993:00:0	
990	0	330	16:46:22.066	411KN6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,793,993:00:0	
991	0	330	16:46:28.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1581.68 +/-	4O0	4	0	5,793,993:10:0	
992	0	330	16:46:30.133		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1581.80 +/-	4O0	4	0	5,793,993:12:1	
993	0	330	16:46:30.133		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1581.80 +/-	4O0	4	0	5,793,993:12:1	
994	0	330	16:46:32.066	411KN6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,793,993:15:0	
995	0	330	16:48:33.400	411KN6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,793,995:15:0	
996	0	330	16:48:34.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1610.85 +/-	4O0	4	0	5,793,995:16:0	
997	0	330	16:48:34.066	411KN6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,793,995:16:0	
998	0	330	16:48:35.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1610.91 +/-	4O0	4	0	5,793,995:17:8	
999	0	330	23:38:54.066	411KO6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,794,401:00:0	
1000	0	330	23:38:54.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1610.91 +/-	4O0	4	0	5,794,401:00:0	
1001	0	330	23:39:00.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1610.91 +/-	4O0	4	0	5,794,401:10:0	
1002	0	330	23:39:02.133		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1611.03 +/-	4O0	4	0	5,794,401:12:1	
1003	0	330	23:39:02.133		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1611.03 +/-	4O0	4	0	5,794,401:12:1	
1004	0	330	23:39:04.066	411KO6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,794,401:15:0	
1005	0	330	23:41:05.400	411KO6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,794,403:15:0	
1006	0	330	23:41:06.066	411KO6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,794,403:16:0	
1007	0	330	23:41:06.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1640.07 +/-	4O0	4	0	5,794,403:16:0	
1008	0	330	23:41:07.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1640.13 +/-	4O0	4	0	5,794,403:17:8	
1009	0	331	06:32:26.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1640.13 +/-	4O0	4	0	5,794,810:00:0	
1010	0	331	06:32:26.666	411KP6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,794,810:00:0	
1011	0	331	06:32:33.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1640.13 +/-	4O0	4	0	5,794,810:10:0	
1012	0	331	06:32:34.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1640.25 +/-	4O0	4	0	5,794,810:12:1	
1013	0	331	06:32:34.733		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1640.25 +/-	4O0	4	0	5,794,810:12:1	
1014	0	331	06:32:36.666	411KP6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,794,810:15:0	
1015	0	331	06:34:38.000	411KP6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,794,812:15:0	
1016	0	331	06:34:38.666	411KP6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,794,812:16:0	
1017	0	331	06:34:38.666		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1669.30 +/-	4O0	4	0	5,794,812:16:0	
1018	0	331	06:34:39.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1669.36 +/-	4O0	4	0	5,794,812:17:8	
1019	0	331	09:31:27.333	488DX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,794,987:04:0	
1020	0	331	09:43:04.000	488DX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,794,998:48:0	
1021	0	331	10:38:20.666	488DX6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,795,053:18:0	
1022	0	331	11:07:26.666	488DX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,795,081:89:0	
1023	0	331	12:08:08.000	488DX6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,795,142:00:0	
1024	0	331	14:28:56.000	488DY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,795,281:23:0	
1025	0	331	17:00:24.000	488DY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,795,431:05:0	
1026	0	331	17:12:48.000	488DY6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,795,443:29:0	
1027	0	331	17:21:44.000	488DY6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,795,452:14:0	
1028	0	332	00:05:00.666	411KQ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,795,851:00:0	
1029	0	332	00:05:00.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1669.36 +/-	4O0	4	0	5,795,851:00:0	
1030	0	332	00:05:07.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1669.36 +/-	4O0	4	0	5,795,851:10:0	
1031	0	332	00:05:08.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1669.48 +/-	4O0	4	0	5,795,851:12:1	
1032	0	332	00:05:08.733		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1669.48 +/-	4O0	4	0	5,795,851:12:1	
1033	0	332	00:05:10.666	411KQ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,795,851:15:0	
1034	0	332	00:07:12.000	411KQ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,795,853:15:0	
1035	0	332	00:07:12.666	411KQ6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,795,853:16:0	
1036	0	332	00:07:12.666		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1698.53 +/-	4O0	4	0	5,795,853:16:0	
1037	0	332	00:07:13.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1698.59 +/-	4O0	4	0	5,795,853:17:8	
1038	0	332	06:58:33.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1698.59 +/-	4O0	4	0	5,796,260:00:0	
1039	0	332	06:58:33.333	411KR6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,796,260:00:0	
1040	0	332	06:58:40.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1698.59 +/-	4O0	4	0	5,796,260:10:0	
1041	0	332	06:58:41.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1698.71 +/-	4O0	4	0	5,796,260:12:1	
1042	0	332	06:58:41.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1698.71 +/-	4O0	4	0	5,796,260:12:1	
1043	0	332	06:58:43.333	411KR6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,796,260:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
1044	0	332	07:00:44.666	411KR6C	6TMREC	**NRC**		NO RECORD Record Mode Change	4O0	4	0	5,796,262:15:0	
1045	0	332	07:00:45.333		DMS:	**: *RUNDOWN**		R7, TRACK 1, FWD, TIC *1727.75 +/-	4O0	4	0	5,796,262:16:0	
1046	0	332	07:00:45.333	411KR6D	6DMSC	RDY,0		DMS Control Tape stop	4O0	4	0	5,796,262:16:0	
1047	0	332	07:00:46.533		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *1727.81 +/-	4O0	4	0	5,796,262:17:8	
1048	0	332	07:14:44.000		DMS:	: *US-RUNUP		P7, TRACK *1, *FWD, TIC 1727.81 +/-	4O0	4	0	5,796,276:00:0	
1049	0	332	07:14:44.000		DMS:	: *SLEW-TIC		P7, TRACK *2, *REV, TIC 1727.81 +/-	4O0	4	0	5,796,276:00:0	
1050	0	332	07:14:44.000	465JB6A	6DMST		216	DMS Slew to TIC	4O0	4	0	5,796,276:00:0	
1051	0	332	07:14:45.400		DMS:	: *US_AT_SP		P7, TRACK 1, FWD, TIC *1727.93 +/-	4O0	4	0	5,796,276:02:1	
1052	0	332	07:14:50.666		DMS:	: *US_RD		P7, TRACK 1, FWD, TIC *1729.17 +/-	4O0	4	0	5,796,276:10:0	
1053	0	332	07:14:51.866		DMS:	: *RUNUP		P7, TRACK *2, *REV, TIC *1729.23 +/-	4O0	4	0	5,796,276:11:8	
1054	0	332	07:14:53.266		DMS:	: *AT_SPD		P7, TRACK 2, REV, TIC *1729.11 +/-	4O0	4	0	5,796,276:13:9	
1055	0	332	09:02:19.466		DMS:	**: *RUNDOWN**		P7, TRACK 2, REV, TIC * 218.06 +/-	4O0	4	0	5,796,382:37:2	
1056	0	332	09:02:20.666		DMS:	: *READY		RDY, TRACK 2, REV, TIC * 218.00 +/-	4O0	4	0	5,796,382:39:0	
1057	0	332	11:27:04.000	20WG4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	5,796,525:51:0	
1058	0	332	11:27:54.000	20WG4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	5,796,526:35:0	
1059	0	332	11:28:47.333	488DZ6A	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,796,527:24:0	
1060	0	332	11:29:32.000	176WG6A	6TMREC	**IPB**		INITIATE PLAYBACK (PB CONTROL) Record Mod	4O0	4	0	5,796,528:00:0	
1061	0	332	11:53:12.000	488DZ6B	6TMSED	NORM,AL7		Sci, Eng, and D/L Chan	4O0	4	0	5,796,551:37:0	
1062	0	332	14:39:35.933	488DZ6C	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,796,715:89:0	
1063	0	332	16:53:59.933	488DZ6D	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,796,848:82:0	
1064	0	332	17:13:45.266	488DZ6E	6TMSED	FILL,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,796,868:40:0	
1065	0	332	17:15:19.933	488EA6A	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	5,796,870:00:0	
1066	0	332	17:23:51.933	488EA6B	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,796,878:40:0	
1067	0	332	20:43:47.266	488EA6C	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,797,076:15:0	
1068	0	332	21:50:33.266	418KS6B	6BUFHI		6	MUB Buffer high water	4O0	4	0	5,797,142:18:0	
1069	0	332	21:50:33.266	418KS6A	6BUFLO		2	MUB Buffer low water m	4O0	4	0	5,797,142:18:0	
1070	0	333	04:33:43.933	488EB6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,797,540:86:0	
1071	0	333	05:05:33.266	488EB6B	6TMSED	FILL,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,797,572:38:0	
1072	0	333	05:12:07.933	488EB6C	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,797,578:84:0	
1073	0	333	09:13:45.933	488EB6D	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,797,817:82:0	
1074	0	333	12:25:11.933	488EC6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,798,007:21:0	
1075	0	333	12:50:14.600	176KS6A	6TMREC	**PPB**		PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,798,032:00:0	
1076	0	333	12:55:17.933		DMS:	: *SLEW-TIC		P7, TRACK *1, *FWD, TIC 218.00 +/-	4O0	4	0	5,798,037:00:0	
1077	0	333	12:55:17.933		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 218.00 +/-	4O0	4	0	5,798,037:00:0	
1078	0	333	12:55:17.933	465KS6A	6DMST		1737	DMS Slew to TIC	4O0	4	0	5,798,037:00:0	
1079	0	333	12:55:24.600		DMS:	: *RUNUP		P7, TRACK 1, FWD, TIC 218.00 +/-	4O0	4	0	5,798,037:10:0	
1080	0	333	12:55:26.000		DMS:	: *AT_SPD		P7, TRACK 1, FWD, TIC * 218.12 +/-	4O0	4	0	5,798,037:12:1	
1081	0	333	13:00:33.266	488EC6B	6TMSED	FILL,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,798,042:18:0	
1082	0	333	13:07:51.933	488EC6C	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,798,049:39:0	
1083	0	333	14:43:16.733		DMS:	**: *RUNDOWN**		P7, TRACK 1, FWD, TIC *1734.94 +/-	4O0	4	0	5,798,143:72:2	
1084	0	333	14:43:17.933		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *1735.00 +/-	4O0	4	0	5,798,143:74:0	
1085	0	333	17:08:04.600	411KS6A	6DMSC	R7,0		DMS Control Tape runup 7.68kps	4O0	4	0	5,798,287:00:0	
1086	0	333	17:08:04.600		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 1735.00 +/-	4O0	4	0	5,798,287:00:0	
1087	0	333	17:08:11.266		DMS:	: *RUNUP		R7, TRACK 1, FWD, TIC 1735.00 +/-	4O0	4	0	5,798,287:10:0	
1088	0	333	17:08:12.666		DMS:	: *AT_SPD		R7, TRACK 1, FWD, TIC 1735.12 +/-	4O0	4	0	5,798,287:12:1	
1089	0	333	17:08:12.666		DMS:	**: *RECORD**		R7, TRACK 1, FWD, TIC *1735.12 +/-	4O0	4	0	5,798,287:12:1	
1090	0	333	17:08:14.600	411KS6B	6TMREC	**BDT**		7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,798,287:15:0	
1091	0	333	17:10:15.933	411KS6C	6TMREC	**NRC**		NO RECORD Record Mode Change	4O0	4	0	5,798,289:15:0	
1092	0	333	17:10:16.600		DMS:	**: *RUNDOWN**		R7, TRACK 1, FWD, TIC *1764.17 +/-	4O0	4	0	5,798,289:16:0	
1093	0	333	17:10:16.600	411KS6D	6DMSC	RDY,0		DMS Control Tape stop	4O0	4	0	5,798,289:16:0	
1094	0	333	17:10:17.800		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *1764.23 +/-	4O0	4	0	5,798,289:17:8	
1095	0	333	18:50:23.933	20LP4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	5,798,388:18:0	
1096	0	333	18:51:13.933	20LP4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	5,798,389:02:0	
1097	0	333	18:53:13.933	176LP6A	6TMREC	**RPB**		RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,798,391:00:0	
1098	0	333	21:48:45.933	488ED6A	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,798,564:55:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	0	334	04:29:27.866	488EE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,798,960	82:0
1100	0	334	04:59:19.866	488EE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,798,990	40:0
1101	0	334	06:09:43.866	488EE6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,799,060	06:0
1102	0	334	06:36:33.200	488EE6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,799,086	54:0
1103	0	334	11:14:47.866	488EF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,799,361	71:0
1104	0	334	12:31:51.866	176KT6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,799,438	00:0
1105	0	334	12:36:55.200		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 1764.23 +/-	4O0	4	0	5,799,443	00:0
1106	0	334	12:36:55.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1764.23 +/-	4O0	4	0	5,799,443	00:0
1107	0	334	12:36:55.200	465KT6A	6DMST	1770	DMS Slew to TIC	4O0	4	0	5,799,443	00:0
1108	0	334	12:37:01.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 1764.23 +/-	4O0	4	0	5,799,443	10:0
1109	0	334	12:37:03.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *1764.35 +/-	4O0	4	0	5,799,443	12:1
1110	0	334	12:37:17.333		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *1767.94 +/-	4O0	4	0	5,799,443	33:2
1111	0	334	12:37:18.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1768.00 +/-	4O0	4	0	5,799,443	35:0
1112	0	334	12:40:07.866	488EF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,799,446	16:0
1113	0	334	12:42:47.200	488EF6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,799,448	73:0
1114	0	334	16:49:41.866	411KT6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,799,693	00:0
1115	0	334	16:49:41.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1768.00 +/-	4O0	4	0	5,799,693	00:0
1116	0	334	16:49:48.533		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1768.00 +/-	4O0	4	0	5,799,693	10:0
1117	0	334	16:49:49.933		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1768.12 +/-	4O0	4	0	5,799,693	12:1
1118	0	334	16:49:49.933		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1768.12 +/-	4O0	4	0	5,799,693	12:1
1119	0	334	16:49:51.866	411KT6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,799,693	15:0
1120	0	334	16:51:53.200	411KT6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,799,695	15:0
1121	0	334	16:51:53.866		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1797.17 +/-	4O0	4	0	5,799,695	16:0
1122	0	334	16:51:53.866	411KT6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,799,695	16:0
1123	0	334	16:51:55.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1797.23 +/-	4O0	4	0	5,799,695	17:8
1124	0	334	16:55:37.866	20LQ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,799,698	79:0
1125	0	334	16:56:27.866	20LQ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,799,699	63:0
1126	0	334	16:57:47.200	176LQ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,799,701	00:0
1127	0	334	17:01:26.533	488EF6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,799,704	56:0
1128	0	334	17:13:11.866	488EF6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,799,716	22:0
1129	0	334	18:12:55.866	488EG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,799,775	29:0
1130	0	335	02:11:56.533	488EH6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,800,249	06:0
1131	0	335	04:28:45.200	488EH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,800,384	34:0
1132	0	335	05:39:44.533	488EH6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,800,454	53:0
1133	0	335	06:06:34.533	488EH6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,800,481	11:0
1134	0	335	11:04:07.800	488EI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,800,775	37:0
1135	0	335	12:32:41.800	176KU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,800,863	00:0
1136	0	335	12:33:43.800	488EI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,800,864	02:0
1137	0	335	12:37:45.133		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 1797.23 +/-	4O0	4	0	5,800,868	00:0
1138	0	335	12:37:45.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1797.23 +/-	4O0	4	0	5,800,868	00:0
1139	0	335	12:37:45.133	465KU6A	6DMST	1803	DMS Slew to TIC	4O0	4	0	5,800,868	00:0
1140	0	335	12:37:51.800		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 1797.23 +/-	4O0	4	0	5,800,868	10:0
1141	0	335	12:37:53.200		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *1797.35 +/-	4O0	4	0	5,800,868	12:1
1142	0	335	12:38:07.266		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *1800.94 +/-	4O0	4	0	5,800,868	33:2
1143	0	335	12:38:08.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1801.00 +/-	4O0	4	0	5,800,868	35:0
1144	0	335	12:42:46.466	488EI6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,800,872	88:0
1145	0	335	12:52:55.800	488EI6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,800,883	01:0
1146	0	335	16:50:31.800	411KU6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,801,118	00:0
1147	0	335	16:50:31.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1801.00 +/-	4O0	4	0	5,801,118	00:0
1148	0	335	16:50:38.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1801.00 +/-	4O0	4	0	5,801,118	10:0
1149	0	335	16:50:39.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1801.12 +/-	4O0	4	0	5,801,118	12:1
1150	0	335	16:50:39.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1801.12 +/-	4O0	4	0	5,801,118	12:1
1151	0	335	16:50:41.800	411KU6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,801,118	15:0
1152	0	335	16:52:43.133	411KU6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,801,120	15:0
1153	0	335	16:52:43.800	411KU6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,801,120	16:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
1154	0	335	16:52:43.800		DMS:	**: *RUNDOWN**		R7, TRACK 1, FWD, TIC *1830.17 +/-	4O0	4	0	5,801,120:16:0	
1155	0	335	16:52:45.000		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *1830.23 +/-	4O0	4	0	5,801,120:17:8	
1156	0	335	16:55:37.133	20LR4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	5,801,123:03:0	
1157	0	335	16:56:27.133	20LR4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	5,801,123:78:0	
1158	0	335	16:57:36.466	176LR6A	6TMREC	**RPB**		RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,801,125:00:0	
1159	0	335	20:13:45.133	488EJ6A	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,801,318:90:0	
1160	0	336	04:18:47.800	488EK6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,801,798:64:0	
1161	0	336	05:04:35.800	176KV6A	6TMREC	**PPB**		PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,801,844:00:0	
1162	0	336	05:09:39.133	465KV6A	6DMST		1836	DMS Slew to TIC	4O0	4	0	5,801,849:00:0	
1163	0	336	05:09:39.133		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 1830.23 +/-	4O0	4	0	5,801,849:00:0	
1164	0	336	05:09:39.133		DMS:	: *SLEW-TIC		P7, TRACK 1, FWD, TIC 1830.23 +/-	4O0	4	0	5,801,849:00:0	
1165	0	336	05:09:45.800		DMS:	: *RUNUP		P7, TRACK 1, FWD, TIC 1830.23 +/-	4O0	4	0	5,801,849:10:0	
1166	0	336	05:09:47.200		DMS:	: *AT_SPD		P7, TRACK 1, FWD, TIC *1830.35 +/-	4O0	4	0	5,801,849:12:1	
1167	0	336	05:10:01.266		DMS:	**: *RUNDOWN**		P7, TRACK 1, FWD, TIC *1833.94 +/-	4O0	4	0	5,801,849:33:2	
1168	0	336	05:10:02.466		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *1834.00 +/-	4O0	4	0	5,801,849:35:0	
1169	0	336	05:15:32.466	488EK6B	6TMSED	FILL,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,801,854:75:0	
1170	0	336	05:22:47.800	488EK6C	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,801,862:00:0	
1171	0	336	09:22:25.800		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 1834.00 +/-	4O0	4	0	5,802,099:00:0	
1172	0	336	09:22:25.800	411KV6A	6DMSC	R7,0		DMS Control Tape runup 7.68kps	4O0	4	0	5,802,099:00:0	
1173	0	336	09:22:32.466		DMS:	: *RUNUP		R7, TRACK 1, FWD, TIC 1834.00 +/-	4O0	4	0	5,802,099:10:0	
1174	0	336	09:22:33.866		DMS:	: *AT_SPD		R7, TRACK 1, FWD, TIC 1834.12 +/-	4O0	4	0	5,802,099:12:1	
1175	0	336	09:22:33.866		DMS:	**: *RECORD**		R7, TRACK 1, FWD, TIC *1834.12 +/-	4O0	4	0	5,802,099:12:1	
1176	0	336	09:22:35.800	411KV6B	6TMREC	**BDT**		7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,802,099:15:0	
1177	0	336	09:24:37.133	411KV6C	6TMREC	**NRC**		NO RECORD Record Mode Change	4O0	4	0	5,802,101:15:0	
1178	0	336	09:24:37.800	411KV6D	6DMSC	RDY,0		DMS Control Tape stop	4O0	4	0	5,802,101:16:0	
1179	0	336	09:24:37.800		DMS:	**: *RUNDOWN**		R7, TRACK 1, FWD, TIC *1863.17 +/-	4O0	4	0	5,802,101:16:0	
1180	0	336	09:24:39.000		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *1863.23 +/-	4O0	4	0	5,802,101:17:8	
1181	0	336	16:45:17.800	411KW6A	6DMSC	R7,0		DMS Control Tape runup 7.68kps	4O0	4	0	5,802,537:00:0	
1182	0	336	16:45:17.800		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 1863.23 +/-	4O0	4	0	5,802,537:00:0	
1183	0	336	16:45:24.466		DMS:	: *RUNUP		R7, TRACK 1, FWD, TIC 1863.23 +/-	4O0	4	0	5,802,537:10:0	
1184	0	336	16:45:25.866		DMS:	**: *RECORD**		R7, TRACK 1, FWD, TIC *1863.35 +/-	4O0	4	0	5,802,537:12:1	
1185	0	336	16:45:25.866		DMS:	: *AT_SPD		R7, TRACK 1, FWD, TIC 1863.35 +/-	4O0	4	0	5,802,537:12:1	
1186	0	336	16:45:27.800	411KW6B	6TMREC	**BDT**		7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,802,537:15:0	
1187	0	336	16:47:29.133	411KW6C	6TMREC	**NRC**		NO RECORD Record Mode Change	4O0	4	0	5,802,539:15:0	
1188	0	336	16:47:29.800	411KW6D	6DMSC	RDY,0		DMS Control Tape stop	4O0	4	0	5,802,539:16:0	
1189	0	336	16:47:29.800		DMS:	**: *RUNDOWN**		R7, TRACK 1, FWD, TIC *1892.39 +/-	4O0	4	0	5,802,539:16:0	
1190	0	336	16:47:31.000		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *1892.45 +/-	4O0	4	0	5,802,539:17:8	
1191	0	336	18:27:50.466	20LS4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	5,802,638:38:0	
1192	0	336	18:28:40.466	20LS4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	5,802,639:22:0	
1193	0	336	18:30:27.133	176LS6A	6TMREC	**RPB**		RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,802,641:00:0	
1194	0	336	21:03:44.400	488EL6A	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,802,792:55:0	
1195	0	336	22:14:45.733	488EL6B	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,802,862:77:0	
1196	0	336	22:41:35.066	488EL6C	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,802,889:34:0	
1197	0	337	01:53:43.733	488EL6D	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,803,079:37:0	
1198	0	337	03:33:25.066	176UG6A	6TMREC	**PPB**		PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,803,178:00:0	
1199	0	337	03:38:59.733	20UU4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	5,803,183:47:0	
1200	0	337	03:39:59.733	20UU4D	**7MODE**	**SPNL**		AACS ALL-SPIN LOW	4O0	4	0	5,803,184:46:0	
1201	0	337	03:41:59.733	20UU4E	**7SAFE**	**UNSTOW**		S/P TO 153 deg cone	4O0	4	0	5,803,186:44:0	
1202	0	337	03:47:29.733	20UU4G	7VENT	0.611,1.333,8		ALERT -- Thruster fire	4O0	4	0	5,803,191:84:0	
1203	0	337	03:47:30.400	20UU4H	7VENT	0.611,10.989,8		ALERT -- Thruster fire	4O0	4	0	5,803,191:85:0	
1204	0	337	03:47:50.400	20UU4I	7VENT	0.611,1.333,6		ALERT -- Thruster fire	4O0	4	0	5,803,192:24:0	
1205	0	337	03:47:51.066	20UU4J	7VENT	0.611,10.989,6		ALERT -- Thruster fire	4O0	4	0	5,803,192:25:0	
1206	0	337	03:48:11.066	20UU4K	7VENT	0.611,1.333,4		ALERT -- Thruster fire	4O0	4	0	5,803,192:55:0	
1207	0	337	03:48:11.733	20UU4L	7VENT	0.611,0.666,5		ALERT -- Thruster fire	4O0	4	0	5,803,192:56:0	
1208	0	337	03:48:21.733	20UU4M	7VENT	0.611,1.333,4		ALERT -- Thruster fire	4O0	4	0	5,803,192:71:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	0	337	03:48:22.400	20UU4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,803,192:72:0	
1210	0	337	03:48:32.400	20UU4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,803,192:87:0	
1211	0	337	03:48:33.066	20UU4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,803,192:88:0	
1212	0	337	03:50:19.733	20UU4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,803,194:66:0	
1213	0	337	03:50:20.400	20UU4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,803,194:67:0	
1214	0	337	03:50:40.400	20UU4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,803,195:06:0	
1215	0	337	03:50:41.066	20UU4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,803,195:07:0	
1216	0	337	03:51:01.066	20UU4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,803,195:37:0	
1217	0	337	03:51:01.733	20UU4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,803,195:38:0	
1218	0	337	03:51:11.733	20UU4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,803,195:53:0	
1219	0	337	03:51:12.400	20UU4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,803,195:54:0	
1220	0	337	03:51:22.400	20UU4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,803,195:69:0	
1221	0	337	03:51:23.066	20UU4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,803,195:70:0	
1222	0	337	03:52:19.733	20UU4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,803,196:64:0	
1223	0	337	04:11:59.066	432PH431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,803,216:13:0	
1224	0	337	04:11:59.733	432PH6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,803,216:14:0	
1225	0	337	04:17:03.733	20UG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,803,221:15:0	
1226	0	337	04:17:53.733	20UG4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,803,221:90:0	
1227	0	337	04:19:55.733	176UH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,803,224:00:0	
1228	0	337	04:42:10.400	176KW6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,803,246:00:0	
1229	0	337	04:44:23.733	488EM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,803,248:18:0	
1230	0	337	04:47:13.733	465KW6A	6DMST	1900	DMS Slew to TIC	4O0	4	0	5,803,251:00:0	
1231	0	337	04:47:13.733		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 1892.45 +/-	4O0	4	0	5,803,251:00:0	
1232	0	337	04:47:13.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1892.45 +/-	4O0	4	0	5,803,251:00:0	
1233	0	337	04:47:20.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 1892.45 +/-	4O0	4	0	5,803,251:10:0	
1234	0	337	04:47:21.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *1892.57 +/-	4O0	4	0	5,803,251:12:1	
1235	0	337	04:47:43.866		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *1897.94 +/-	4O0	4	0	5,803,251:45:2	
1236	0	337	04:47:45.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1898.00 +/-	4O0	4	0	5,803,251:47:0	
1237	0	337	04:52:45.066	488EM6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,803,256:42:0	
1238	0	337	05:01:27.733	488EM6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,803,265:07:0	
1239	0	337	09:00:00.400	411KX6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,803,501:00:0	
1240	0	337	09:00:00.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1898.00 +/-	4O0	4	0	5,803,501:00:0	
1241	0	337	09:00:07.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1898.00 +/-	4O0	4	0	5,803,501:10:0	
1242	0	337	09:00:08.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1898.12 +/-	4O0	4	0	5,803,501:12:1	
1243	0	337	09:00:08.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1898.12 +/-	4O0	4	0	5,803,501:12:1	
1244	0	337	09:00:10.400	411KX6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,803,501:15:0	
1245	0	337	09:02:11.733	411KX6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,803,503:15:0	
1246	0	337	09:02:12.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1927.17 +/-	4O0	4	0	5,803,503:16:0	
1247	0	337	09:02:12.400	411KX6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,803,503:16:0	
1248	0	337	09:02:13.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1927.23 +/-	4O0	4	0	5,803,503:17:8	
1249	0	337	16:22:52.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1927.23 +/-	4O0	4	0	5,803,939:00:0	
1250	0	337	16:22:52.400	411KY6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,803,939:00:0	
1251	0	337	16:22:59.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1927.23 +/-	4O0	4	0	5,803,939:10:0	
1252	0	337	16:23:00.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1927.35 +/-	4O0	4	0	5,803,939:12:1	
1253	0	337	16:23:00.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1927.35 +/-	4O0	4	0	5,803,939:12:1	
1254	0	337	16:23:02.400	411KY6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,803,939:15:0	
1255	0	337	16:25:03.733	411KY6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,803,941:15:0	
1256	0	337	16:25:04.400	411KY6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,803,941:16:0	
1257	0	337	16:25:04.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1956.39 +/-	4O0	4	0	5,803,941:16:0	
1258	0	337	16:25:05.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1956.45 +/-	4O0	4	0	5,803,941:17:8	
1259	0	337	16:28:03.733	20LT4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,803,944:12:0	
1260	0	337	16:28:53.733	20LT4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,803,944:87:0	
1261	0	337	16:30:57.733	176LT6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,803,947:00:0	
1262	0	337	18:58:43.066	488EN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,804,093:12:0	
1263	0	338	04:03:51.733	488EO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,804,632:26:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	0	338	04:39:58.400	176KX6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,804,668:00:0	
1265	0	338	04:45:01.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1956.45 +/-	4O0	4	0	5,804,673:00:0	
1266	0	338	04:45:01.733		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 1956.45 +/-	4O0	4	0	5,804,673:00:0	
1267	0	338	04:45:01.733	465KX6A	6DMST	1964	DMS Slew to TIC	4O0	4	0	5,804,673:00:0	
1268	0	338	04:45:08.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 1956.45 +/-	4O0	4	0	5,804,673:10:0	
1269	0	338	04:45:09.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *1956.57 +/-	4O0	4	0	5,804,673:12:1	
1270	0	338	04:45:31.866		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *1961.94 +/-	4O0	4	0	5,804,673:45:2	
1271	0	338	04:45:33.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1962.00 +/-	4O0	4	0	5,804,673:47:0	
1272	0	338	04:50:30.400	488EO6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,804,678:38:0	
1273	0	338	04:57:11.733	488EO6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,804,685:03:0	
1274	0	338	08:57:48.333	411KZ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,804,923:00:0	
1275	0	338	08:57:48.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1962.00 +/-	4O0	4	0	5,804,923:00:0	
1276	0	338	08:57:55.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1962.00 +/-	4O0	4	0	5,804,923:10:0	
1277	0	338	08:57:56.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1962.12 +/-	4O0	4	0	5,804,923:12:1	
1278	0	338	08:57:56.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1962.12 +/-	4O0	4	0	5,804,923:12:1	
1279	0	338	08:57:58.333	411KZ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,804,923:15:0	
1280	0	338	08:59:59.666	411KZ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,804,925:15:0	
1281	0	338	09:00:00.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1991.17 +/-	4O0	4	0	5,804,925:16:0	
1282	0	338	09:00:00.333	411KZ6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,804,925:16:0	
1283	0	338	09:00:01.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1991.23 +/-	4O0	4	0	5,804,925:17:8	
1284	0	338	16:20:40.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1991.23 +/-	4O0	4	0	5,805,361:00:0	
1285	0	338	16:20:40.333	411LA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,805,361:00:0	
1286	0	338	16:20:47.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1991.23 +/-	4O0	4	0	5,805,361:10:0	
1287	0	338	16:20:48.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1991.35 +/-	4O0	4	0	5,805,361:12:1	
1288	0	338	16:20:48.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1991.35 +/-	4O0	4	0	5,805,361:12:1	
1289	0	338	16:20:50.333	411LA6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,805,361:15:0	
1290	0	338	16:22:51.666	411LA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,805,363:15:0	
1291	0	338	16:22:52.333	411LA6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,805,363:16:0	
1292	0	338	16:22:52.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2020.39 +/-	4O0	4	0	5,805,363:16:0	
1293	0	338	16:22:53.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2020.45 +/-	4O0	4	0	5,805,363:17:8	
1294	0	338	18:02:49.000	20LU4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,805,462:02:0	
1295	0	338	18:03:39.000	20LU4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,805,462:77:0	
1296	0	338	18:04:49.000	176LU6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,805,464:00:0	
1297	0	338	20:28:42.333	488EP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,805,606:28:0	
1298	0	339	11:48:55.666	488EQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,806,516:38:0	
1299	0	339	12:19:51.000	176KY6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,806,547:00:0	
1300	0	339	12:24:54.333	465KY6A	6DMST	2028	DMS Slew to TIC	4O0	4	0	5,806,552:00:0	
1301	0	339	12:24:54.333		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2020.45 +/-	4O0	4	0	5,806,552:00:0	
1302	0	339	12:24:54.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2020.45 +/-	4O0	4	0	5,806,552:00:0	
1303	0	339	12:25:01.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2020.45 +/-	4O0	4	0	5,806,552:10:0	
1304	0	339	12:25:02.400		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2020.57 +/-	4O0	4	0	5,806,552:12:1	
1305	0	339	12:25:24.466		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2025.94 +/-	4O0	4	0	5,806,552:45:2	
1306	0	339	12:25:25.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2026.00 +/-	4O0	4	0	5,806,552:47:0	
1307	0	339	12:30:28.333	488EQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,806,557:46:0	
1308	0	339	16:37:40.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2026.00 +/-	4O0	4	0	5,806,802:00:0	
1309	0	339	16:37:40.933	411LB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,806,802:00:0	
1310	0	339	16:37:47.600		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2026.00 +/-	4O0	4	0	5,806,802:10:0	
1311	0	339	16:37:49.000		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2026.12 +/-	4O0	4	0	5,806,802:12:1	
1312	0	339	16:37:49.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2026.12 +/-	4O0	4	0	5,806,802:12:1	
1313	0	339	16:37:50.933	411LB6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,806,802:15:0	
1314	0	339	16:39:52.266	411LB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,806,804:15:0	
1315	0	339	16:39:52.933		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2055.17 +/-	4O0	4	0	5,806,804:16:0	
1316	0	339	16:39:52.933	411LB6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,806,804:16:0	
1317	0	339	16:39:54.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2055.23 +/-	4O0	4	0	5,806,804:17:8	
1318	0	339	18:20:18.933	20LV4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,806,903:46:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	0	339	18:21:08.933	20LV4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,806,904:30:0	
1320	0	339	18:22:50.266	176LV6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,806,906:00:0	
1321	0	339	20:29:34.933	488ER6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,807,031:32:0	
1322	0	339	21:01:27.600	488ER6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,807,062:80:0	
1323	0	339	21:39:49.600	488ER6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,807,100:75:0	
1324	0	339	22:06:38.933	488ER6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,807,127:32:0	
1325	0	340	00:49:43.600	488ER6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,807,288:58:0	
1326	0	340	04:25:11.600	488ES6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,807,501:67:0	
1327	0	340	04:46:41.600	176KZ6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,807,523:00:0	
1328	0	340	04:51:44.933	465KZ6A	6DMST	2061	DMS Slew to TIC	4O0	4	0	5,807,528:00:0	
1329	0	340	04:51:44.933		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2055.23 +/-	4O0	4	0	5,807,528:00:0	
1330	0	340	04:51:44.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2055.23 +/-	4O0	4	0	5,807,528:00:0	
1331	0	340	04:51:51.600		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2055.23 +/-	4O0	4	0	5,807,528:10:0	
1332	0	340	04:51:53.000		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2055.35 +/-	4O0	4	0	5,807,528:12:1	
1333	0	340	04:52:07.066		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2058.94 +/-	4O0	4	0	5,807,528:33:2	
1334	0	340	04:52:08.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2059.00 +/-	4O0	4	0	5,807,528:35:0	
1335	0	340	04:57:40.933	488ES6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,807,533:79:0	
1336	0	340	05:07:51.600	488ES6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,807,543:85:0	
1337	0	340	09:04:31.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2059.00 +/-	4O0	4	0	5,807,778:00:0	
1338	0	340	09:04:31.600	411LC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,807,778:00:0	
1339	0	340	09:04:38.266		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2059.00 +/-	4O0	4	0	5,807,778:10:0	
1340	0	340	09:04:39.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2059.12 +/-	4O0	4	0	5,807,778:12:1	
1341	0	340	09:04:39.666		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2059.12 +/-	4O0	4	0	5,807,778:12:1	
1342	0	340	09:04:41.600	411LC6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,807,778:15:0	
1343	0	340	09:06:42.933	411LC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,807,780:15:0	
1344	0	340	09:06:43.600		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2088.17 +/-	4O0	4	0	5,807,780:16:0	
1345	0	340	09:06:43.600	411LC6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,807,780:16:0	
1346	0	340	09:06:44.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2088.23 +/-	4O0	4	0	5,807,780:17:8	
1347	0	340	09:10:31.600	20LW4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,807,783:85:0	
1348	0	340	09:11:21.600	20LW4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,807,784:69:0	
1349	0	340	09:12:36.933	176LW6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,807,786:00:0	
1350	0	340	10:28:40.266	488ET6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,807,861:20:0	
1351	0	340	12:31:35.600	488ET6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	5,807,982:72:0	
1352	0	340	12:48:39.600	488ET6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,807,999:61:0	
1353	0	340	16:13:27.600	488ET6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,808,202:20:0	
1354	0	340	16:32:26.933	176LA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,808,221:00:0	
1355	0	340	16:37:30.266		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2088.23 +/-	4O0	4	0	5,808,226:00:0	
1356	0	340	16:37:30.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2088.23 +/-	4O0	4	0	5,808,226:00:0	
1357	0	340	16:37:30.266	465LA6A	6DMST	2094	DMS Slew to TIC	4O0	4	0	5,808,226:00:0	
1358	0	340	16:37:36.933		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2088.23 +/-	4O0	4	0	5,808,226:10:0	
1359	0	340	16:37:38.333		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2088.35 +/-	4O0	4	0	5,808,226:12:1	
1360	0	340	16:37:52.400		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2091.94 +/-	4O0	4	0	5,808,226:33:2	
1361	0	340	16:37:53.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2092.00 +/-	4O0	4	0	5,808,226:35:0	
1362	0	340	16:39:03.600	488EU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,808,227:49:0	
1363	0	340	16:42:40.933	488EU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,808,231:11:0	
1364	0	340	20:50:16.933	411LD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,808,476:00:0	
1365	0	340	20:50:16.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2092.00 +/-	4O0	4	0	5,808,476:00:0	
1366	0	340	20:50:23.600		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2092.00 +/-	4O0	4	0	5,808,476:10:0	
1367	0	340	20:50:25.000		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2092.12 +/-	4O0	4	0	5,808,476:12:1	
1368	0	340	20:50:25.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2092.12 +/-	4O0	4	0	5,808,476:12:1	
1369	0	340	20:50:26.933	411LD6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,808,476:15:0	
1370	0	340	20:52:28.266	411LD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,808,478:15:0	
1371	0	340	20:52:28.933		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2121.17 +/-	4O0	4	0	5,808,478:16:0	
1372	0	340	20:52:28.933	411LD6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,808,478:16:0	
1373	0	340	20:52:30.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2121.23 +/-	4O0	4	0	5,808,478:17:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
1374	0	341	04:12:08.200		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 2121.23 +/-	4O0	4	0	5,808,913:00:0	
1375	0	341	04:12:08.200	411LE6A	6DMSC	R7,0		DMS Control Tape runup 7.68kps	4O0	4	0	5,808,913:00:0	
1376	0	341	04:12:14.866		DMS:	: *RUNUP		R7, TRACK 1, FWD, TIC 2121.23 +/-	4O0	4	0	5,808,913:10:0	
1377	0	341	04:12:16.266		DMS:	: *AT_SPD		R7, TRACK 1, FWD, TIC 2121.35 +/-	4O0	4	0	5,808,913:12:1	
1378	0	341	04:12:16.266		DMS:	**: *RECORD**		R7, TRACK 1, FWD, TIC *2121.35 +/-	4O0	4	0	5,808,913:12:1	
1379	0	341	04:12:18.200	411LE6B	6TMREC	**BDT**		7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,808,913:15:0	
1380	0	341	04:14:19.533	411LE6C	6TMREC	**NRC**		NO RECORD Record Mode Change	4O0	4	0	5,808,915:15:0	
1381	0	341	04:14:20.200		DMS:	**: *RUNDOWN**		R7, TRACK 1, FWD, TIC *2150.39 +/-	4O0	4	0	5,808,915:16:0	
1382	0	341	04:14:20.200	411LE6D	6DMSC	RDY,0		DMS Control Tape stop	4O0	4	0	5,808,915:16:0	
1383	0	341	04:14:21.400		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *2150.45 +/-	4O0	4	0	5,808,915:17:8	
1384	0	341	11:35:00.200	411LF6A	6DMSC	R7,0		DMS Control Tape runup 7.68kps	4O0	4	0	5,809,351:00:0	
1385	0	341	11:35:00.200		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 2150.45 +/-	4O0	4	0	5,809,351:00:0	
1386	0	341	11:35:06.866		DMS:	: *RUNUP		R7, TRACK 1, FWD, TIC 2150.45 +/-	4O0	4	0	5,809,351:10:0	
1387	0	341	11:35:08.266		DMS:	: *AT_SPD		R7, TRACK 1, FWD, TIC 2150.57 +/-	4O0	4	0	5,809,351:12:1	
1388	0	341	11:35:08.266		DMS:	**: *RECORD**		R7, TRACK 1, FWD, TIC *2150.57 +/-	4O0	4	0	5,809,351:12:1	
1389	0	341	11:35:10.200	411LF6B	6TMREC	**BDT**		7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,809,351:15:0	
1390	0	341	11:37:11.533	411LF6C	6TMREC	**NRC**		NO RECORD Record Mode Change	4O0	4	0	5,809,353:15:0	
1391	0	341	11:37:12.200	411LF6D	6DMSC	RDY,0		DMS Control Tape stop	4O0	4	0	5,809,353:16:0	
1392	0	341	11:37:12.200		DMS:	**: *RUNDOWN**		R7, TRACK 1, FWD, TIC *2179.62 +/-	4O0	4	0	5,809,353:16:0	
1393	0	341	11:37:13.400		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *2179.68 +/-	4O0	4	0	5,809,353:17:8	
1394	0	341	13:17:26.866	20LX4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	5,809,452:29:0	
1395	0	341	13:18:16.866	20LX4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	5,809,453:13:0	
1396	0	341	13:20:09.533	176LX6A	6TMREC	**RPB**		RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,809,455:00:0	
1397	0	341	16:31:18.200	488EV6A	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	5,809,644:04:0	
1398	0	341	17:21:43.533	488EV6B	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,809,693:83:0	
1399	0	341	17:38:28.200	488EV6C	6TMSED	FILL,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,809,710:43:0	
1400	0	341	18:07:34.866	488EV6D	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,809,739:24:0	
1401	0	342	04:14:31.533	488EW6A	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	5,810,339:49:0	
1402	0	342	04:48:39.533	488EW6B	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,810,373:27:0	
1403	0	342	05:04:52.866	488EW6C	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,810,389:31:0	
1404	0	342	05:31:42.200	488EW6D	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,810,415:79:0	
1405	0	342	11:33:59.533	488EX6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,810,774:16:0	
1406	0	342	12:12:14.133	176LB6A	6TMREC	**PPB**		PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,810,812:00:0	
1407	0	342	12:17:17.466	465LB6A	6DMST		2189	DMS Slew to TIC	4O0	4	0	5,810,817:00:0	
1408	0	342	12:17:17.466		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 2179.68 +/-	4O0	4	0	5,810,817:00:0	
1409	0	342	12:17:17.466		DMS:	: *SLEW-TIC		P7, TRACK 1, FWD, TIC 2179.68 +/-	4O0	4	0	5,810,817:00:0	
1410	0	342	12:17:24.133		DMS:	: *RUNUP		P7, TRACK 1, FWD, TIC 2179.68 +/-	4O0	4	0	5,810,817:10:0	
1411	0	342	12:17:25.533		DMS:	: *AT_SPD		P7, TRACK 1, FWD, TIC *2179.80 +/-	4O0	4	0	5,810,817:12:1	
1412	0	342	12:17:54.933		DMS:	**: *RUNDOWN**		P7, TRACK 1, FWD, TIC *2186.94 +/-	4O0	4	0	5,810,817:56:2	
1413	0	342	12:17:56.133		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *2187.00 +/-	4O0	4	0	5,810,817:58:0	
1414	0	342	12:18:47.466	488EX6B	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	5,810,818:44:0	
1415	0	342	12:22:38.133	488EX6C	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	5,810,822:26:0	
1416	0	342	12:31:35.466	488EX6D	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,810,831:13:0	
1417	0	342	16:30:04.133	411LG6A	6DMSC	R7,0		DMS Control Tape runup 7.68kps	4O0	4	0	5,811,067:00:0	
1418	0	342	16:30:04.133		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 2187.00 +/-	4O0	4	0	5,811,067:00:0	
1419	0	342	16:30:10.800		DMS:	: *RUNUP		R7, TRACK 1, FWD, TIC 2187.00 +/-	4O0	4	0	5,811,067:10:0	
1420	0	342	16:30:12.200		DMS:	**: *RECORD**		R7, TRACK 1, FWD, TIC *2187.12 +/-	4O0	4	0	5,811,067:12:1	
1421	0	342	16:30:12.200		DMS:	: *AT_SPD		R7, TRACK 1, FWD, TIC 2187.12 +/-	4O0	4	0	5,811,067:12:1	
1422	0	342	16:30:14.133	411LG6B	6TMREC	**BDT**		7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,811,067:15:0	
1423	0	342	16:32:15.466	411LG6C	6TMREC	**NRC**		NO RECORD Record Mode Change	4O0	4	0	5,811,069:15:0	
1424	0	342	16:32:16.133		DMS:	**: *RUNDOWN**		R7, TRACK 1, FWD, TIC *2216.17 +/-	4O0	4	0	5,811,069:16:0	
1425	0	342	16:32:16.133	411LG6D	6DMSC	RDY,0		DMS Control Tape stop	4O0	4	0	5,811,069:16:0	
1426	0	342	16:32:17.333		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *2216.23 +/-	4O0	4	0	5,811,069:17:8	
1427	0	342	16:35:28.800	20LY4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	5,811,072:32:0	
1428	0	342	16:36:18.800	20LY4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	5,811,073:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	0	342	16:38:09.466	176LY6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,811,075:00:0	
1430	0	342	20:28:36.133	488EY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,811,302:83:0	
1431	0	342	21:26:19.466	176SF6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,811,360:00:0	
1432	0	342	21:33:00.133	488EY6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,811,366:55:0	
1433	0	342	22:09:00.133	20SW4I	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,811,402:19:0	
1434	0	342	22:24:00.133	20SW4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	5,811,417:04:0	
1435	0	342	22:36:00.133	20SW4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,811,428:83:0	
1436	0	342	22:43:00.133	20SW4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	5,811,435:76:0	
1437	0	342	22:55:00.133	20SW4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,811,447:64:0	
1438	0	342	23:07:00.133	20SW4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,811,459:52:0	
1439	0	342	23:23:04.133	20SY4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,811,475:42:0	
1440	0	342	23:23:54.133	20SY4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,811,476:26:0	
1441	0	342	23:25:38.133	176SG6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,811,478:00:0	
1442	0	342	23:43:00.133	488EY6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,811,495:16:0	
1443	0	343	11:29:43.466	488EZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,812,194:12:0	
1444	0	343	12:02:57.466	176LC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,812,227:00:0	
1445	0	343	12:08:00.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2216.23 +/-	4O0	4	0	5,812,232:00:0	
1446	0	343	12:08:00.800		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2216.23 +/-	4O0	4	0	5,812,232:00:0	
1447	0	343	12:08:00.800	465LC6A	6DMST	2222	DMS Slew to TIC	4O0	4	0	5,812,232:00:0	
1448	0	343	12:08:07.466		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2216.23 +/-	4O0	4	0	5,812,232:10:0	
1449	0	343	12:08:08.866		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2216.35 +/-	4O0	4	0	5,812,232:12:1	
1450	0	343	12:08:22.933		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2219.94 +/-	4O0	4	0	5,812,232:33:2	
1451	0	343	12:08:24.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2220.00 +/-	4O0	4	0	5,812,232:35:0	
1452	0	343	12:13:21.466	488EZ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,812,237:26:0	
1453	0	343	12:14:31.466	488EZ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,812,238:40:0	
1454	0	343	12:23:03.466	488EZ6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,812,246:80:0	
1455	0	343	16:20:47.466	411LH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,812,482:00:0	
1456	0	343	16:20:47.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2220.00 +/-	4O0	4	0	5,812,482:00:0	
1457	0	343	16:20:54.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2220.00 +/-	4O0	4	0	5,812,482:10:0	
1458	0	343	16:20:55.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2220.12 +/-	4O0	4	0	5,812,482:12:1	
1459	0	343	16:20:55.533		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2220.12 +/-	4O0	4	0	5,812,482:12:1	
1460	0	343	16:20:57.466	411LH6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,812,482:15:0	
1461	0	343	16:22:58.800	411LH6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,812,484:15:0	
1462	0	343	16:22:59.466	411LH6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,812,484:16:0	
1463	0	343	16:22:59.466		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2249.17 +/-	4O0	4	0	5,812,484:16:0	
1464	0	343	16:23:00.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2249.23 +/-	4O0	4	0	5,812,484:17:8	
1465	0	343	21:53:34.066	488FA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,812,811:11:0	
1466	0	344	03:23:19.400	488FA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,813,137:23:0	
1467	0	344	04:33:43.400	488FB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,813,206:80:0	
1468	0	344	04:42:35.400	488FB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,813,215:59:0	
1469	0	344	04:52:55.400	488FB6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,813,225:79:0	
1470	0	344	12:04:48.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2249.23 +/-	4O0	4	0	5,813,653:00:0	
1471	0	344	12:04:48.066	411LI6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,813,653:00:0	
1472	0	344	12:04:54.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2249.23 +/-	4O0	4	0	5,813,653:10:0	
1473	0	344	12:04:56.133		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2249.35 +/-	4O0	4	0	5,813,653:12:1	
1474	0	344	12:04:56.133		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2249.35 +/-	4O0	4	0	5,813,653:12:1	
1475	0	344	12:04:58.066	411LI6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,813,653:15:0	
1476	0	344	12:06:59.400	411LI6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,813,655:15:0	
1477	0	344	12:07:00.066	411LI6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,813,655:16:0	
1478	0	344	12:07:00.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2278.39 +/-	4O0	4	0	5,813,655:16:0	
1479	0	344	12:07:01.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2278.45 +/-	4O0	4	0	5,813,655:17:8	
1480	0	344	13:47:06.733	20LZ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,813,754:17:0	
1481	0	344	13:47:56.733	20LZ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,813,755:01:0	
1482	0	344	13:49:57.400	176LZ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,813,757:00:0	
1483	0	344	17:14:26.733	488FC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,813,959:22:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	0	344	18:23:34.733	488FC6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,814,027:56:0	
1485	0	344	18:52:40.733	488FC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,814,056:36:0	
1486	0	345	03:53:11.400	488FD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,814,590:88:0	
1487	0	345	04:37:33.400	488FD6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,814,634:77:0	
1488	0	345	08:31:11.333	488FD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,814,865:83:0	
1489	0	345	09:02:31.333	488FD6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,814,896:82:0	
1490	0	345	09:38:35.333	488FD6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,814,932:52:0	
1491	0	345	10:07:41.333	488FE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,814,961:32:0	
1492	0	345	15:35:03.333	488FE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,815,285:11:0	
1493	0	345	16:12:32.000	488FF6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,815,322:17:0	
1494	0	345	16:21:59.333	488FF6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,815,331:49:0	
1495	0	345	20:23:30.000	488FF6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,815,570:36:0	
1496	0	346	03:08:23.333	488FG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,815,970:76:0	
1497	0	346	04:22:22.000	176LD6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,816,044:00:0	
1498	0	346	04:23:03.333	488FG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,816,044:62:0	
1499	0	346	04:27:25.333	465LD6A	6DMST	2286	DMS Slew to TIC	4O0	4	0	5,816,049:00:0	
1500	0	346	04:27:25.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2278.45 +/-	4O0	4	0	5,816,049:00:0	
1501	0	346	04:27:25.333		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2278.45 +/-	4O0	4	0	5,816,049:00:0	
1502	0	346	04:27:32.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2278.45 +/-	4O0	4	0	5,816,049:10:0	
1503	0	346	04:27:33.400		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2278.57 +/-	4O0	4	0	5,816,049:12:1	
1504	0	346	04:27:55.466		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2283.94 +/-	4O0	4	0	5,816,049:45:2	
1505	0	346	04:27:56.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2284.00 +/-	4O0	4	0	5,816,049:47:0	
1506	0	346	04:32:31.333	488FG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,816,054:04:0	
1507	0	346	04:42:15.333	488FG6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,816,063:61:0	
1508	0	346	08:40:12.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2284.00 +/-	4O0	4	0	5,816,299:00:0	
1509	0	346	08:40:12.000	411LJ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,816,299:00:0	
1510	0	346	08:40:18.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2284.00 +/-	4O0	4	0	5,816,299:10:0	
1511	0	346	08:40:20.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2284.12 +/-	4O0	4	0	5,816,299:12:1	
1512	0	346	08:40:20.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2284.12 +/-	4O0	4	0	5,816,299:12:1	
1513	0	346	08:40:22.000	411LJ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,816,299:15:0	
1514	0	346	08:42:23.333	411LJ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,816,301:15:0	
1515	0	346	08:42:24.000	411LJ6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,816,301:16:0	
1516	0	346	08:42:24.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2313.17 +/-	4O0	4	0	5,816,301:16:0	
1517	0	346	08:42:25.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2313.23 +/-	4O0	4	0	5,816,301:17:8	
1518	0	346	16:02:03.333	411LK6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,816,736:00:0	
1519	0	346	16:02:03.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2313.23 +/-	4O0	4	0	5,816,736:00:0	
1520	0	346	16:02:10.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2313.23 +/-	4O0	4	0	5,816,736:10:0	
1521	0	346	16:02:11.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2313.35 +/-	4O0	4	0	5,816,736:12:1	
1522	0	346	16:02:11.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2313.35 +/-	4O0	4	0	5,816,736:12:1	
1523	0	346	16:02:13.333	411LK6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,816,736:15:0	
1524	0	346	16:04:14.666	411LK6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,816,738:15:0	
1525	0	346	16:04:15.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2342.39 +/-	4O0	4	0	5,816,738:16:0	
1526	0	346	16:04:15.333	411LK6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,816,738:16:0	
1527	0	346	16:04:16.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2342.45 +/-	4O0	4	0	5,816,738:17:8	
1528	0	346	17:44:49.333	20MA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,816,837:58:0	
1529	0	346	17:45:39.333	20MA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,816,838:42:0	
1530	0	346	17:47:12.666	176MA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,816,840:00:0	
1531	0	346	20:28:27.933	488FH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,816,999:44:0	
1532	0	347	02:59:51.266	488FI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,817,386:52:0	
1533	0	347	03:19:29.933	176LE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,817,406:00:0	
1534	0	347	03:24:33.266		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2342.45 +/-	4O0	4	0	5,817,411:00:0	
1535	0	347	03:24:33.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2342.45 +/-	4O0	4	0	5,817,411:00:0	
1536	0	347	03:24:33.266	465LE6A	6DMST	2350	DMS Slew to TIC	4O0	4	0	5,817,411:00:0	
1537	0	347	03:24:39.933		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2342.45 +/-	4O0	4	0	5,817,411:10:0	
1538	0	347	03:24:41.333		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2342.57 +/-	4O0	4	0	5,817,411:12:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	0	347	03:25:03.400		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2347.94 +/-	4O0	4	0	5,817,411:45:2	
1540	0	347	03:25:04.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2348.00 +/-	4O0	4	0	5,817,411:47:0	
1541	0	347	03:29:45.266	488FI6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,817,416:13:0	
1542	0	347	03:33:59.266	488FI6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,817,420:30:0	
1543	0	347	07:37:19.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2348.00 +/-	4O0	4	0	5,817,661:00:0	
1544	0	347	07:37:19.933	411LL6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,817,661:00:0	
1545	0	347	07:37:26.600		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2348.00 +/-	4O0	4	0	5,817,661:10:0	
1546	0	347	07:37:28.000		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2348.12 +/-	4O0	4	0	5,817,661:12:1	
1547	0	347	07:37:28.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2348.12 +/-	4O0	4	0	5,817,661:12:1	
1548	0	347	07:37:29.933	411LL6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,817,661:15:0	
1549	0	347	07:39:31.266	411LL6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,817,663:15:0	
1550	0	347	07:39:31.933	411LL6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,817,663:16:0	
1551	0	347	07:39:31.933		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2377.17 +/-	4O0	4	0	5,817,663:16:0	
1552	0	347	07:39:33.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2377.23 +/-	4O0	4	0	5,817,663:17:8	
1553	0	347	14:59:11.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2377.23 +/-	4O0	4	0	5,818,098:00:0	
1554	0	347	14:59:11.266	411LM6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,818,098:00:0	
1555	0	347	14:59:17.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2377.23 +/-	4O0	4	0	5,818,098:10:0	
1556	0	347	14:59:19.333		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2377.35 +/-	4O0	4	0	5,818,098:12:1	
1557	0	347	14:59:19.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2377.35 +/-	4O0	4	0	5,818,098:12:1	
1558	0	347	14:59:21.266	411LM6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,818,098:15:0	
1559	0	347	15:01:22.600	411LM6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,818,100:15:0	
1560	0	347	15:01:23.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2406.39 +/-	4O0	4	0	5,818,100:16:0	
1561	0	347	15:01:23.266	411LM6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,818,100:16:0	
1562	0	347	15:01:24.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2406.45 +/-	4O0	4	0	5,818,100:17:8	
1563	0	347	22:22:03.266	411LN6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,818,536:00:0	
1564	0	347	22:22:03.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2406.45 +/-	4O0	4	0	5,818,536:00:0	
1565	0	347	22:22:09.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2406.45 +/-	4O0	4	0	5,818,536:10:0	
1566	0	347	22:22:11.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2406.57 +/-	4O0	4	0	5,818,536:12:1	
1567	0	347	22:22:11.333		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2406.57 +/-	4O0	4	0	5,818,536:12:1	
1568	0	347	22:22:13.266	411LN6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,818,536:15:0	
1569	0	347	22:24:14.600	411LN6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,818,538:15:0	
1570	0	347	22:24:15.266	411LN6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,818,538:16:0	
1571	0	347	22:24:15.266		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2435.62 +/-	4O0	4	0	5,818,538:16:0	
1572	0	347	22:24:16.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2435.68 +/-	4O0	4	0	5,818,538:17:8	
1573	0	347	22:27:31.266	20MB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,818,541:37:0	
1574	0	347	22:28:21.266	20MB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,818,542:21:0	
1575	0	347	22:30:08.600	176MB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,818,544:00:0	
1576	0	347	23:56:05.266	488FJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,818,629:00:0	
1577	0	348	00:21:59.266	488FJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,818,654:56:0	
1578	0	348	01:03:41.266	488FJ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,818,695:78:0	
1579	0	348	01:32:47.933	488FJ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,818,724:59:0	
1580	0	348	02:47:03.266	488FJ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,818,798:08:0	
1581	0	348	07:36:08.533	176LF6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,819,084:00:0	
1582	0	348	07:41:11.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2435.68 +/-	4O0	4	0	5,819,089:00:0	
1583	0	348	07:41:11.866		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2435.68 +/-	4O0	4	0	5,819,089:00:0	
1584	0	348	07:41:11.866	465LF6A	6DMST	2445	DMS Slew to TIC	4O0	4	0	5,819,089:00:0	
1585	0	348	07:41:18.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2435.68 +/-	4O0	4	0	5,819,089:10:0	
1586	0	348	07:41:19.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2435.80 +/-	4O0	4	0	5,819,089:12:1	
1587	0	348	07:41:49.333		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2442.94 +/-	4O0	4	0	5,819,089:56:2	
1588	0	348	07:41:50.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2443.00 +/-	4O0	4	0	5,819,089:58:0	
1589	0	348	07:46:22.533	488FK6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,819,094:11:0	
1590	0	348	07:49:59.200	488FK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,819,097:63:0	
1591	0	348	11:53:58.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2443.00 +/-	4O0	4	0	5,819,339:00:0	
1592	0	348	11:53:58.533	411LO6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,819,339:00:0	
1593	0	348	11:54:05.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2443.00 +/-	4O0	4	0	5,819,339:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	0	348	11:54:06.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2443.12 +/-	4O0	4	0	5,819,339:12:1	
1595	0	348	11:54:06.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2443.12 +/-	4O0	4	0	5,819,339:12:1	
1596	0	348	11:54:08.533	411LO6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,819,339:15:0	
1597	0	348	11:56:09.866	411LO6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,819,341:15:0	
1598	0	348	11:56:10.533		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2472.17 +/-	4O0	4	0	5,819,341:16:0	
1599	0	348	11:56:10.533	411LO6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,819,341:16:0	
1600	0	348	11:56:11.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2472.23 +/-	4O0	4	0	5,819,341:17:8	
1601	0	348	13:36:13.200	20MC4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,819,440:11:0	
1602	0	348	13:37:03.200	20MC4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,819,440:86:0	
1603	0	348	13:39:07.866	176MC6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,819,443:00:0	
1604	0	348	16:21:04.533	488FL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,819,603:15:0	
1605	0	348	16:32:39.200	488FL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,819,614:56:0	
1606	0	348	17:47:19.200	488FL6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,819,688:42:0	
1607	0	349	02:44:55.200	488FM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,820,220:14:0	
1608	0	349	04:03:51.200	488FM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,820,298:20:0	
1609	0	349	04:16:46.533	176LG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,820,311:00:0	
1610	0	349	04:21:49.866	465LG6A	6DMST	2478	DMS Slew to TIC	4O0	4	0	5,820,316:00:0	
1611	0	349	04:21:49.866		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2472.23 +/-	4O0	4	0	5,820,316:00:0	
1612	0	349	04:21:49.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2472.23 +/-	4O0	4	0	5,820,316:00:0	
1613	0	349	04:21:56.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2472.23 +/-	4O0	4	0	5,820,316:10:0	
1614	0	349	04:21:57.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2472.35 +/-	4O0	4	0	5,820,316:12:1	
1615	0	349	04:22:12.000		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2475.94 +/-	4O0	4	0	5,820,316:33:2	
1616	0	349	04:22:13.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2476.00 +/-	4O0	4	0	5,820,316:35:0	
1617	0	349	04:27:23.200	488FM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,820,321:45:0	
1618	0	349	04:35:51.200	488FM6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,820,329:79:0	
1619	0	349	08:34:36.533	411LP6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,820,566:00:0	
1620	0	349	08:34:36.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2476.00 +/-	4O0	4	0	5,820,566:00:0	
1621	0	349	08:34:43.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2476.00 +/-	4O0	4	0	5,820,566:10:0	
1622	0	349	08:34:44.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2476.12 +/-	4O0	4	0	5,820,566:12:1	
1623	0	349	08:34:44.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2476.12 +/-	4O0	4	0	5,820,566:12:1	
1624	0	349	08:34:46.533	411LP6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,820,566:15:0	
1625	0	349	08:36:47.866	411LP6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,820,568:15:0	
1626	0	349	08:36:48.533	411LP6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,820,568:16:0	
1627	0	349	08:36:48.533		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2505.17 +/-	4O0	4	0	5,820,568:16:0	
1628	0	349	08:36:49.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2505.23 +/-	4O0	4	0	5,820,568:17:8	
1629	0	349	15:57:28.466	411LQ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,821,004:00:0	
1630	0	349	15:57:28.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2505.23 +/-	4O0	4	0	5,821,004:00:0	
1631	0	349	15:57:35.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2505.23 +/-	4O0	4	0	5,821,004:10:0	
1632	0	349	15:57:36.533		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2505.35 +/-	4O0	4	0	5,821,004:12:1	
1633	0	349	15:57:36.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2505.35 +/-	4O0	4	0	5,821,004:12:1	
1634	0	349	15:57:38.466	411LQ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,821,004:15:0	
1635	0	349	15:59:39.800	411LQ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,821,006:15:0	
1636	0	349	15:59:40.466		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2534.39 +/-	4O0	4	0	5,821,006:16:0	
1637	0	349	15:59:40.466	411LQ6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,821,006:16:0	
1638	0	349	15:59:41.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2534.45 +/-	4O0	4	0	5,821,006:17:8	
1639	0	349	16:02:41.800	20MD4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,821,009:15:0	
1640	0	349	16:03:31.800	20MD4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,821,009:90:0	
1641	0	349	16:05:33.800	176MD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,821,012:00:0	
1642	0	349	18:18:21.133	488FN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,821,143:30:0	
1643	0	350	00:24:07.133	488FO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,821,505:07:0	
1644	0	350	00:43:19.133	488FO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,821,524:06:0	
1645	0	350	10:38:31.133	488FP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,822,112:66:0	
1646	0	350	11:27:19.800	176LH6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,822,161:00:0	
1647	0	350	11:31:22.466		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2534.45 +/-	4O0	4	0	5,822,165:00:0	
1648	0	350	11:31:22.466	465LH6A	6DMST	2542	DMS Slew to TIC	4O0	4	0	5,822,165:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	0	350	11:31:22.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2534.45 +/-	4O0	4	0	5,822,165:00:0	
1650	0	350	11:31:29.133		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2534.45 +/-	4O0	4	0	5,822,165:10:0	
1651	0	350	11:31:30.533		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2534.57 +/-	4O0	4	0	5,822,165:12:1	
1652	0	350	11:31:52.600		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2539.94 +/-	4O0	4	0	5,822,165:45:2	
1653	0	350	11:31:53.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2540.00 +/-	4O0	4	0	5,822,165:47:0	
1654	0	350	11:33:59.133	488FP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,822,167:53:0	
1655	0	350	11:37:20.466	488FP6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,822,170:82:0	
1656	0	350	11:46:47.133	488FP6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,822,180:22:0	
1657	0	350	15:44:09.133	411LR6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,822,415:00:0	
1658	0	350	15:44:09.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2540.00 +/-	4O0	4	0	5,822,415:00:0	
1659	0	350	15:44:15.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2540.00 +/-	4O0	4	0	5,822,415:10:0	
1660	0	350	15:44:17.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2540.12 +/-	4O0	4	0	5,822,415:12:1	
1661	0	350	15:44:17.200		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2540.12 +/-	4O0	4	0	5,822,415:12:1	
1662	0	350	15:44:19.133	411LR6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,822,415:15:0	
1663	0	350	15:46:20.466	411LR6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,822,417:15:0	
1664	0	350	15:46:21.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2569.17 +/-	4O0	4	0	5,822,417:16:0	
1665	0	350	15:46:21.133	411LR6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,822,417:16:0	
1666	0	350	15:46:22.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2569.23 +/-	4O0	4	0	5,822,417:17:8	
1667	0	350	17:27:11.133	20ME4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,822,516:82:0	
1668	0	350	17:28:01.133	20ME4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,822,517:66:0	
1669	0	350	17:29:18.466	176ME6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,822,519:00:0	
1670	0	350	18:19:11.800	488FQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,822,568:31:0	
1671	0	350	19:28:48.466	488FQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,822,637:17:0	
1672	0	350	19:57:54.466	488FQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,822,665:88:0	
1673	0	351	00:41:11.066	488FR6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,822,946:12:0	
1674	0	351	01:15:12.400	488FR6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,822,979:71:0	
1675	0	351	01:42:02.400	488FR6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,823,006:29:0	
1676	0	351	01:56:53.066	176WA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,823,021:00:0	
1677	0	351	02:01:59.733	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,823,026:05:0	
1678	0	351	02:02:59.733	20UR4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,823,027:04:0	
1679	0	351	02:04:59.733	20UR4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,823,029:02:0	
1680	0	351	02:10:29.733	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,823,034:42:0	
1681	0	351	02:10:30.400	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,823,034:43:0	
1682	0	351	02:10:50.400	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,823,034:73:0	
1683	0	351	02:10:51.066	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,823,034:74:0	
1684	0	351	02:11:11.066	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,823,035:13:0	
1685	0	351	02:11:11.733	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,823,035:14:0	
1686	0	351	02:11:21.733	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,823,035:29:0	
1687	0	351	02:11:22.400	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,823,035:30:0	
1688	0	351	02:11:32.400	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,823,035:45:0	
1689	0	351	02:11:33.066	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,823,035:46:0	
1690	0	351	02:13:19.733	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,823,037:24:0	
1691	0	351	02:13:20.400	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,823,037:25:0	
1692	0	351	02:13:40.400	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,823,037:55:0	
1693	0	351	02:13:41.066	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,823,037:56:0	
1694	0	351	02:14:01.066	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,823,037:86:0	
1695	0	351	02:14:01.733	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,823,037:87:0	
1696	0	351	02:14:11.733	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,823,038:11:0	
1697	0	351	02:14:12.400	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,823,038:12:0	
1698	0	351	02:14:22.400	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,823,038:27:0	
1699	0	351	02:14:23.066	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,823,038:28:0	
1700	0	351	02:15:19.733	20UR4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,823,039:22:0	
1701	0	351	02:34:59.066	432PN431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,823,058:62:0	
1702	0	351	02:34:59.733	432PN6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,823,058:63:0	
1703	0	351	02:40:03.733	20WB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,823,063:64:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	0	351	02:40:53.733	20WB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,823,064:48:0	
1705	0	351	02:42:23.066	176WB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,823,066:00:0	
1706	0	351	07:34:35.733	176LI6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,823,355:00:0	
1707	0	351	07:39:39.066	465LI6A	6DMST	2575	DMS Slew to TIC	4O0	4	0	5,823,360:00:0	
1708	0	351	07:39:39.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2569.23 +/-	4O0	4	0	5,823,360:00:0	
1709	0	351	07:39:39.066		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2569.23 +/-	4O0	4	0	5,823,360:00:0	
1710	0	351	07:39:45.733		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2569.23 +/-	4O0	4	0	5,823,360:10:0	
1711	0	351	07:39:47.133		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2569.35 +/-	4O0	4	0	5,823,360:12:1	
1712	0	351	07:40:01.200		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2572.94 +/-	4O0	4	0	5,823,360:33:2	
1713	0	351	07:40:02.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2573.00 +/-	4O0	4	0	5,823,360:35:0	
1714	0	351	07:45:14.400	488FS6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,823,365:48:0	
1715	0	351	07:47:51.066	488FS6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,823,368:10:0	
1716	0	351	11:52:25.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2573.00 +/-	4O0	4	0	5,823,610:00:0	
1717	0	351	11:52:25.733	411LS6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,823,610:00:0	
1718	0	351	11:52:32.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2573.00 +/-	4O0	4	0	5,823,610:10:0	
1719	0	351	11:52:33.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2573.12 +/-	4O0	4	0	5,823,610:12:1	
1720	0	351	11:52:33.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2573.12 +/-	4O0	4	0	5,823,610:12:1	
1721	0	351	11:52:35.733	411LS6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,823,610:15:0	
1722	0	351	11:54:37.066	411LS6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,823,612:15:0	
1723	0	351	11:54:37.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2602.17 +/-	4O0	4	0	5,823,612:16:0	
1724	0	351	11:54:37.733	411LS6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,823,612:16:0	
1725	0	351	11:54:38.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2602.23 +/-	4O0	4	0	5,823,612:17:8	
1726	0	351	11:58:05.066	20MF4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,823,615:54:0	
1727	0	351	11:58:55.066	20MF4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,823,616:38:0	
1728	0	351	12:00:31.066	176MF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,823,618:00:0	
1729	0	351	15:45:56.400	488FT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,823,840:86:0	
1730	0	351	16:17:43.066	488FT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,823,872:34:0	
1731	0	351	17:47:19.066	488FT6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,823,960:90:0	
1732	0	352	02:19:19.066	488FU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,824,467:33:0	
1733	0	352	03:48:55.066	488FU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,824,555:89:0	
1734	0	352	03:51:58.400	176LJ6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,824,559:00:0	
1735	0	352	03:57:01.733	465LJ6A	6DMST	2608	DMS Slew to TIC	4O0	4	0	5,824,564:00:0	
1736	0	352	03:57:01.733		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2602.23 +/-	4O0	4	0	5,824,564:00:0	
1737	0	352	03:57:01.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2602.23 +/-	4O0	4	0	5,824,564:00:0	
1738	0	352	03:57:08.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2602.23 +/-	4O0	4	0	5,824,564:10:0	
1739	0	352	03:57:09.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2602.35 +/-	4O0	4	0	5,824,564:12:1	
1740	0	352	03:57:23.866		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2605.94 +/-	4O0	4	0	5,824,564:33:2	
1741	0	352	03:57:25.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2606.00 +/-	4O0	4	0	5,824,564:35:0	
1742	0	352	04:02:15.066	488FU6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,824,569:15:0	
1743	0	352	04:12:23.066	488FU6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,824,579:17:0	
1744	0	352	08:09:48.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2606.00 +/-	4O0	4	0	5,824,814:00:0	
1745	0	352	08:09:48.400	411LT6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,824,814:00:0	
1746	0	352	08:09:55.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2606.00 +/-	4O0	4	0	5,824,814:10:0	
1747	0	352	08:09:56.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2606.12 +/-	4O0	4	0	5,824,814:12:1	
1748	0	352	08:09:56.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2606.12 +/-	4O0	4	0	5,824,814:12:1	
1749	0	352	08:09:58.400	411LT6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,824,814:15:0	
1750	0	352	08:11:59.733	411LT6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,824,816:15:0	
1751	0	352	08:12:00.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2635.17 +/-	4O0	4	0	5,824,816:16:0	
1752	0	352	08:12:00.400	411LT6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,824,816:16:0	
1753	0	352	08:12:01.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2635.23 +/-	4O0	4	0	5,824,816:17:8	
1754	0	352	15:31:39.666	411LU6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,825,251:00:0	
1755	0	352	15:31:39.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2635.23 +/-	4O0	4	0	5,825,251:00:0	
1756	0	352	15:31:46.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2635.23 +/-	4O0	4	0	5,825,251:10:0	
1757	0	352	15:31:47.733		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2635.35 +/-	4O0	4	0	5,825,251:12:1	
1758	0	352	15:31:47.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2635.35 +/-	4O0	4	0	5,825,251:12:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	0	352	15:31:49.666	411LU6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,825,251:15:0	
1760	0	352	15:33:51.000	411LU6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,825,253:15:0	
1761	0	352	15:33:51.666	411LU6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,825,253:16:0	
1762	0	352	15:33:51.666		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2664.39 +/-	4O0	4	0	5,825,253:16:0	
1763	0	352	15:33:52.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2664.45 +/-	4O0	4	0	5,825,253:17:8	
1764	0	352	20:13:12.333	488FV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,825,529:41:0	
1765	0	352	20:23:00.333	488FV6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,825,539:13:0	
1766	0	352	20:26:54.333	176UE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,825,543:00:0	
1767	0	352	20:36:00.333	20RF4C	7STAT	10.00,233.60,-25	Stator inertial point	4O0	4	0	5,825,552:00:0	
1768	0	352	20:36:12.333	20RF6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	5,825,552:18:0	
1769	0	352	20:55:02.333	490UF412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,825,570:75:0	
1770	0	352	21:00:00.333	490UF412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,825,575:67:0	
1771	0	352	21:00:20.333	20RF4D	7STAT	17.45,233.60,-25	Stator inertial point	4O0	4	0	5,825,576:06:0	
1772	0	352	21:04:10.333	490UF412A4E	7VECT		Inert vect update UTC	4O0	4	0	5,825,579:78:0	
1773	0	352	21:04:14.333	490UF412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	5,825,579:84:0	
1774	0	352	21:08:02.333	490UF412A406A4A	7STAR	11,610,278.81	Star catalog update	4O0	4	0	5,825,583:62:0	
1775	0	352	21:08:04.333	490UF412A406A4B	7STAR	2,383,331.27	Star catalog update	4O0	4	0	5,825,583:65:0	
1776	0	352	21:08:06.333	490UF412A406A4C	7STAR	3,147,167.865,20	Star catalog update	4O0	4	0	5,825,583:68:0	
1777	0	352	21:08:08.333	490UF412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	5,825,583:71:0	
1778	0	352	21:08:10.333	490UF412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	5,825,583:74:0	
1779	0	352	21:08:12.333	490UF412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	5,825,583:77:0	
1780	0	352	21:24:06.333	20RF4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,825,599:52:0	
1781	0	352	21:32:10.333	490UF412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,825,607:50:0	
1782	0	352	22:38:59.666	432PL431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,825,673:58:0	
1783	0	352	22:39:00.333	432PL6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,825,673:59:0	
1784	0	352	23:00:04.333	20US4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,825,694:44:0	
1785	0	352	23:00:54.333	20US4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,825,695:28:0	
1786	0	352	23:01:00.333	488FV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,825,695:37:0	
1787	0	352	23:02:37.000	176UB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,825,697:00:0	
1788	0	353	00:43:19.000	488FV6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,825,796:54:0	
1789	0	353	02:08:55.666	488FV6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,825,881:24:0	
1790	0	353	02:37:55.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2664.45 +/-	4O0	4	0	5,825,909:86:0	
1791	0	353	02:37:55.666		DMS:	: *SLEW-TIC	P7, TRACK *2, *REV, TIC 2664.45 +/-	4O0	4	0	5,825,909:86:0	
1792	0	353	02:37:57.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2664.57 +/-	4O0	4	0	5,825,909:88:1	
1793	0	353	02:38:01.666	488FW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,825,910:04:0	
1794	0	353	02:38:02.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2665.81 +/-	4O0	4	0	5,825,910:05:0	
1795	0	353	02:38:03.533		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC *2665.87 +/-	4O0	4	0	5,825,910:06:8	
1796	0	353	02:38:04.933		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC *2665.75 +/-	4O0	4	0	5,825,910:08:9	
1797	0	353	04:13:15.800		DMS:	**: *RUNDOWN**	P7, TRACK 2, REV, TIC *1327.06 +/-	4O0	4	0	5,826,004:21:2	
1798	0	353	04:13:17.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1327.00 +/-	4O0	4	0	5,826,004:23:0	
1799	0	353	08:44:58.333	488FX6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,826,272:87:0	
1800	0	353	08:51:51.000	488FX6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,826,279:69:0	
1801	0	353	11:58:10.333	488FX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,826,464:03:0	
1802	0	353	14:33:11.000	488FX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,826,617:31:0	
1803	0	353	15:32:55.000	488FY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,826,676:38:0	
1804	0	353	15:42:11.000	488FY6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,826,685:53:0	
1805	0	353	15:52:07.000	488FY6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,826,695:37:0	
1806	0	353	18:34:02.333	488FY6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,826,855:50:0	
1807	0	353	19:10:31.000	488FY6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,826,891:57:0	
1808	0	354	00:24:06.933	488FZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,827,201:71:0	
1809	0	354	01:00:00.266	481UA4A	7VECT		Inert vect update UTC	4O0	4	0	5,827,237:25:0	
1810	0	354	01:11:02.933	488FZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,827,248:18:0	
1811	0	354	07:00:00.933		DMS:	: *E4-DELAY	RDY, TRACK *1, *FWD, TIC 1327.00 +/-	4O0	4	0	5,827,593:30:0	
1812	0	354	07:00:07.600		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1327.00 +/-	4O0	4	0	5,827,593:40:0	
1813	0	354	07:00:09.000		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1327.12 +/-	4O0	4	0	5,827,593:42:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
1814	0	354	07:00:09.000		DMS:	**: *RECORD**		R7, TRACK 1, FWD, TIC *1327.12 +/-	4O0	4	0	5,827,593:42:1	
1815	0	354	07:02:12.933		DMS:	**: *RUNDOWN**		R7, TRACK 1, FWD, TIC *1356.17 +/-	4O0	4	0	5,827,595:46:0	
1816	0	354	07:02:14.133		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *1356.23 +/-	4O0	4	0	5,827,595:47:8	
1817	0	354	09:20:13.600	176LK6A	6TMREC	**PPB**		PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,827,732:00:0	
1818	0	354	09:25:16.933	465LK6A	6DMST		2672	DMS Slew to TIC	4O0	4	0	5,827,737:00:0	
1819	0	354	09:25:16.933		DMS:	: *SLEW-TIC		P7, TRACK 1, FWD, TIC 1356.23 +/-	4O0	4	0	5,827,737:00:0	
1820	0	354	09:25:16.933		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 1356.23 +/-	4O0	4	0	5,827,737:00:0	
1821	0	354	09:25:23.600		DMS:	: *RUNUP		P7, TRACK 1, FWD, TIC 1356.23 +/-	4O0	4	0	5,827,737:10:0	
1822	0	354	09:25:25.000		DMS:	: *AT_SPD		P7, TRACK 1, FWD, TIC *1356.35 +/-	4O0	4	0	5,827,737:12:1	
1823	0	354	09:30:59.600	488GA6A	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,827,742:59:0	
1824	0	354	09:34:30.933	488GA6B	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	5,827,746:12:0	
1825	0	354	10:58:48.400		DMS:	**: *RUNDOWN**		P7, TRACK 1, FWD, TIC *2669.94 +/-	4O0	4	0	5,827,829:45:2	
1826	0	354	10:58:49.600		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *2670.00 +/-	4O0	4	0	5,827,829:47:0	
1827	0	354	13:38:03.600	411LV6A	6DMSC	R7,0		DMS Control Tape runup 7.68kps	4O0	4	0	5,827,987:00:0	
1828	0	354	13:38:03.600		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 2670.00 +/-	4O0	4	0	5,827,987:00:0	
1829	0	354	13:38:10.266		DMS:	: *RUNUP		R7, TRACK 1, FWD, TIC 2670.00 +/-	4O0	4	0	5,827,987:10:0	
1830	0	354	13:38:11.666		DMS:	**: *RECORD**		R7, TRACK 1, FWD, TIC *2670.12 +/-	4O0	4	0	5,827,987:12:1	
1831	0	354	13:38:11.666		DMS:	: *AT_SPD		R7, TRACK 1, FWD, TIC 2670.12 +/-	4O0	4	0	5,827,987:12:1	
1832	0	354	13:38:13.600	411LV6B	6TMREC	**BDT**		7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,827,987:15:0	
1833	0	354	13:40:14.933	411LV6C	6TMREC	**NRC**		NO RECORD Record Mode Change	4O0	4	0	5,827,989:15:0	
1834	0	354	13:40:15.600	411LV6D	6DMSC	RDY,0		DMS Control Tape stop	4O0	4	0	5,827,989:16:0	
1835	0	354	13:40:15.600		DMS:	**: *RUNDOWN**		R7, TRACK 1, FWD, TIC *2699.17 +/-	4O0	4	0	5,827,989:16:0	
1836	0	354	13:40:16.800		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *2699.23 +/-	4O0	4	0	5,827,989:17:8	
1837	0	354	13:43:50.266	20MH4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	5,827,992:65:0	
1838	0	354	13:44:40.266	20MH4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	5,827,993:49:0	
1839	0	354	13:46:08.933	176MH6A	6TMREC	**RPB**		RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,827,995:00:0	
1840	0	354	15:45:47.600	488GB6A	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	5,828,113:30:0	
1841	0	354	16:51:14.266	488GB6B	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	5,828,178:05:0	
1842	0	354	17:24:53.600	488GB6C	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	5,828,211:31:0	
1843	0	354	17:51:34.933	488GB6D	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,828,237:67:0	
1844	0	355	00:34:52.266	488GC6A	6TMSED	FILL,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,828,636:54:0	
1845	0	355	00:41:10.933	488GC6B	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,828,642:76:0	
1846	0	355	04:28:04.933	488GC6C	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	4O0	4	0	5,828,867:22:0	
1847	0	355	09:34:30.866	488GD6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,829,170:28:0	
1848	0	355	09:43:18.200	176LL6A	6TMREC	**PPB**		PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,829,179:00:0	
1849	0	355	09:48:21.533		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 2699.23 +/-	4O0	4	0	5,829,184:00:0	
1850	0	355	09:48:21.533		DMS:	: *SLEW-TIC		P7, TRACK 1, FWD, TIC 2699.23 +/-	4O0	4	0	5,829,184:00:0	
1851	0	355	09:48:21.533	465LL6A	6DMST		2705	DMS Slew to TIC	4O0	4	0	5,829,184:00:0	
1852	0	355	09:48:28.200		DMS:	: *RUNUP		P7, TRACK 1, FWD, TIC 2699.23 +/-	4O0	4	0	5,829,184:10:0	
1853	0	355	09:48:29.600		DMS:	: *AT_SPD		P7, TRACK 1, FWD, TIC *2699.35 +/-	4O0	4	0	5,829,184:12:1	
1854	0	355	09:48:43.666		DMS:	**: *RUNDOWN**		P7, TRACK 1, FWD, TIC *2702.94 +/-	4O0	4	0	5,829,184:33:2	
1855	0	355	09:48:44.866		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *2703.00 +/-	4O0	4	0	5,829,184:35:0	
1856	0	355	09:54:09.533	488GD6B	6TMSED	FILL,AL5		Sci, Eng, and D/L Chan	4O0	4	0	5,829,189:67:0	
1857	0	355	09:57:58.866	488GD6C	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	5,829,193:47:0	
1858	0	355	14:01:08.200	411LW6A	6DMSC	R7,0		DMS Control Tape runup 7.68kps	4O0	4	0	5,829,434:00:0	
1859	0	355	14:01:08.200		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 2703.00 +/-	4O0	4	0	5,829,434:00:0	
1860	0	355	14:01:14.866		DMS:	: *RUNUP		R7, TRACK 1, FWD, TIC 2703.00 +/-	4O0	4	0	5,829,434:10:0	
1861	0	355	14:01:16.266		DMS:	: *AT_SPD		R7, TRACK 1, FWD, TIC 2703.12 +/-	4O0	4	0	5,829,434:12:1	
1862	0	355	14:01:16.266		DMS:	**: *RECORD**		R7, TRACK 1, FWD, TIC *2703.12 +/-	4O0	4	0	5,829,434:12:1	
1863	0	355	14:01:18.200	411LW6B	6TMREC	**BDT**		7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,829,434:15:0	
1864	0	355	14:03:19.533	411LW6C	6TMREC	**NRC**		NO RECORD Record Mode Change	4O0	4	0	5,829,436:15:0	
1865	0	355	14:03:20.200	411LW6D	6DMSC	RDY,0		DMS Control Tape stop	4O0	4	0	5,829,436:16:0	
1866	0	355	14:03:20.200		DMS:	**: *RUNDOWN**		R7, TRACK 1, FWD, TIC *2732.17 +/-	4O0	4	0	5,829,436:16:0	
1867	0	355	14:03:21.400		DMS:	: *READY		RDY, TRACK 1, FWD, TIC *2732.23 +/-	4O0	4	0	5,829,436:17:8	
1868	0	355	21:24:00.200	411LX6A	6DMSC	R7,0		DMS Control Tape runup 7.68kps	4O0	4	0	5,829,872:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	0	355	21:24:00.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2732.23 +/-	4O0	4	0	5,829,872:00:0	
1870	0	355	21:24:06.866		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2732.23 +/-	4O0	4	0	5,829,872:10:0	
1871	0	355	21:24:08.266		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2732.35 +/-	4O0	4	0	5,829,872:12:1	
1872	0	355	21:24:08.266		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2732.35 +/-	4O0	4	0	5,829,872:12:1	
1873	0	355	21:24:10.200	411LX6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,829,872:15:0	
1874	0	355	21:26:11.533	411LX6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,829,874:15:0	
1875	0	355	21:26:12.200		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2761.39 +/-	4O0	4	0	5,829,874:16:0	
1876	0	355	21:26:12.200	411LX6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,829,874:16:0	
1877	0	355	21:26:13.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2761.45 +/-	4O0	4	0	5,829,874:17:8	
1878	0	355	21:29:28.200	20MI4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,829,877:37:0	
1879	0	355	21:30:18.200	20MI4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,829,878:21:0	
1880	0	355	21:32:05.533	176MI6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,829,880:00:0	
1881	0	355	23:40:42.200	488GE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,830,007:18:0	
1882	0	356	00:30:30.866	488GE6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,830,056:42:0	
1883	0	356	00:49:04.200	488GE6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,830,074:74:0	
1884	0	356	01:18:10.866	488GE6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,830,103:55:0	
1885	0	356	10:04:22.866	488GF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,830,624:02:0	
1886	0	356	10:56:56.200	176LM6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,830,676:00:0	
1887	0	356	11:01:59.533		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2761.45 +/-	4O0	4	0	5,830,681:00:0	
1888	0	356	11:01:59.533	465LM6A	6DMST	2769	DMS Slew to TIC	4O0	4	0	5,830,681:00:0	
1889	0	356	11:01:59.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2761.45 +/-	4O0	4	0	5,830,681:00:0	
1890	0	356	11:02:06.200		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2761.45 +/-	4O0	4	0	5,830,681:10:0	
1891	0	356	11:02:07.600		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2761.57 +/-	4O0	4	0	5,830,681:12:1	
1892	0	356	11:02:29.666		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2766.94 +/-	4O0	4	0	5,830,681:45:2	
1893	0	356	11:02:30.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2767.00 +/-	4O0	4	0	5,830,681:47:0	
1894	0	356	11:07:02.200	488GF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,830,685:90:0	
1895	0	356	15:14:46.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2767.00 +/-	4O0	4	0	5,830,931:00:0	
1896	0	356	15:14:46.200	411LY6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,830,931:00:0	
1897	0	356	15:14:52.866		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2767.00 +/-	4O0	4	0	5,830,931:10:0	
1898	0	356	15:14:54.266		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2767.12 +/-	4O0	4	0	5,830,931:12:1	
1899	0	356	15:14:54.266		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2767.12 +/-	4O0	4	0	5,830,931:12:1	
1900	0	356	15:14:56.200	411LY6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,830,931:15:0	
1901	0	356	15:16:57.533	411LY6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,830,933:15:0	
1902	0	356	15:16:58.200		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2796.17 +/-	4O0	4	0	5,830,933:16:0	
1903	0	356	15:16:58.200	411LY6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,830,933:16:0	
1904	0	356	15:16:59.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2796.23 +/-	4O0	4	0	5,830,933:17:8	
1905	0	356	16:00:40.200	488GF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,830,976:36:0	
1906	0	356	17:06:20.133	488GG6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,831,041:31:0	
1907	0	356	17:39:59.466	488GG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,831,074:57:0	
1908	0	356	17:40:54.800	488GG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,831,075:49:0	
1909	0	356	19:33:00.133	488GG6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,831,186:36:0	
1910	0	356	19:35:38.133	176QB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,831,189:00:0	
1911	0	356	20:04:00.133	20DA4AA	7STAT	10.00,148.6835,1	Stator inertial point	4O0	4	0	5,831,217:05:0	
1912	0	356	20:04:12.133	20DA6AA	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	5,831,217:23:0	
1913	0	356	20:10:00.133	474DA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,831,222:90:0	
1914	0	356	20:12:00.133	474DA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,831,224:88:0	
1915	0	356	20:12:20.133	20DA4AD	7STAT	17.45,148.6835,1	Stator inertial point	4O0	4	0	5,831,225:27:0	
1916	0	356	20:16:14.133	474DA416A4E	7BURN	148.683498,10.76	ALERT -- Thruster fire	4O0	4	0	5,831,229:14:0	
1917	0	356	20:26:00.133	20DA4AF	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,831,238:74:0	
1918	0	356	20:31:52.133	20DA4AG	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,831,244:56:0	
1919	0	356	20:53:08.133	20DA4AJ	7STAT	10.00,148.6835,1	Stator inertial point	4O0	4	0	5,831,265:59:0	
1920	0	356	20:53:20.133	20DA6AB	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	5,831,265:77:0	
1921	0	356	20:59:08.133	20DA4AK	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,831,271:53:0	
1922	0	356	21:01:08.133	474DA416A4G	7BURN	148.683498,10.76	ALERT -- Thruster fire	4O0	4	0	5,831,273:51:0	
1923	0	356	21:11:20.800	20DA4AM	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,831,283:60:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1924	0	356	21:16:12.800	20DA4AN	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,831,288:43:0	
1925	0	356	22:23:44.800	20DB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,831,355:24:0	
1926	0	356	22:24:34.800	20DB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,831,356:08:0	
1927	0	356	22:25:30.133	176DA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,831,357:00:0	
1928	0	357	00:41:00.133	488GH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,831,491:01:0	
1929	0	357	00:42:00.133	176QC6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,831,492:00:0	
1930	0	357	00:49:04.133	432PJ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,831,498:90:0	
1931	0	357	00:49:04.800	432PJ6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,831,499:00:0	
1932	0	357	01:00:22.800	488GH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,831,510:16:0	
1933	0	357	01:45:31.466	488GH6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,831,554:75:0	
1934	0	357	02:12:21.466	488GH6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,831,581:33:0	
1935	0	357	07:00:10.800	488GI6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,831,866:02:0	
1936	0	357	07:03:02.800	488GI6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,831,868:78:0	
1937	0	357	07:45:38.133	488GI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,831,910:89:0	
1938	0	357	08:51:23.466	488GI6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,831,976:01:0	
1939	0	357	09:25:02.133	488GI6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,832,009:26:0	
1940	0	357	09:25:58.800	488GJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,832,010:20:0	
1941	0	357	13:29:10.800	488GJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,832,250:68:0	
1942	0	357	15:23:48.800	488GJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,832,364:11:0	
1943	0	357	15:28:38.800	488GK6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,832,368:82:0	
1944	0	357	15:43:34.800	488GK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,832,383:61:0	
1945	0	357	17:25:37.466	488GK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,832,484:54:0	
1946	0	357	17:36:38.800	488GK6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,832,495:45:0	
1947	0	357	18:34:10.800	488GK6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,832,552:36:0	
1948	0	357	19:03:16.800	488GL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,832,581:16:0	
1949	0	358	01:38:46.800	488GM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,832,972:30:0	
1950	0	358	03:34:43.400	176LN6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,833,087:00:0	
1951	0	358	03:39:46.733	465LN6A	6DMST	2802	DMS Slew to TIC	4O0	4	0	5,833,092:00:0	
1952	0	358	03:39:46.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2796.23 +/-	4O0	4	0	5,833,092:00:0	
1953	0	358	03:39:46.733		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2796.23 +/-	4O0	4	0	5,833,092:00:0	
1954	0	358	03:39:53.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2796.23 +/-	4O0	4	0	5,833,092:10:0	
1955	0	358	03:39:54.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2796.35 +/-	4O0	4	0	5,833,092:12:1	
1956	0	358	03:40:08.866		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2799.94 +/-	4O0	4	0	5,833,092:33:2	
1957	0	358	03:40:10.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2800.00 +/-	4O0	4	0	5,833,092:35:0	
1958	0	358	03:42:30.733	488GM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,833,094:64:0	
1959	0	358	03:44:51.400	488GM6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,833,097:02:0	
1960	0	358	03:55:18.733	488GM6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,833,107:33:0	
1961	0	358	07:52:33.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2800.00 +/-	4O0	4	0	5,833,342:00:0	
1962	0	358	07:52:33.400	411LZ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,833,342:00:0	
1963	0	358	07:52:40.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2800.00 +/-	4O0	4	0	5,833,342:10:0	
1964	0	358	07:52:41.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2800.12 +/-	4O0	4	0	5,833,342:12:1	
1965	0	358	07:52:41.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2800.12 +/-	4O0	4	0	5,833,342:12:1	
1966	0	358	07:52:43.400	411LZ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,833,342:15:0	
1967	0	358	07:54:44.733	411LZ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,833,344:15:0	
1968	0	358	07:54:45.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2829.17 +/-	4O0	4	0	5,833,344:16:0	
1969	0	358	07:54:45.400	411LZ6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,833,344:16:0	
1970	0	358	07:54:46.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2829.23 +/-	4O0	4	0	5,833,344:17:8	
1971	0	358	15:14:24.733	411MA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,833,779:00:0	
1972	0	358	15:14:24.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2829.23 +/-	4O0	4	0	5,833,779:00:0	
1973	0	358	15:14:31.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2829.23 +/-	4O0	4	0	5,833,779:10:0	
1974	0	358	15:14:32.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2829.35 +/-	4O0	4	0	5,833,779:12:1	
1975	0	358	15:14:32.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2829.35 +/-	4O0	4	0	5,833,779:12:1	
1976	0	358	15:14:34.733	411MA6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,833,779:15:0	
1977	0	358	15:16:36.066	411MA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,833,781:15:0	
1978	0	358	15:16:36.733	411MA6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,833,781:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1979	0	358	15:16:36.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2858.39 +/-	4O0	4	0	5,833,781:16:0	
1980	0	358	15:16:37.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2858.45 +/-	4O0	4	0	5,833,781:17:8	
1981	0	358	22:37:16.733	411MB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,834,217:00:0	
1982	0	358	22:37:16.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2858.45 +/-	4O0	4	0	5,834,217:00:0	
1983	0	358	22:37:23.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2858.45 +/-	4O0	4	0	5,834,217:10:0	
1984	0	358	22:37:24.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2858.57 +/-	4O0	4	0	5,834,217:12:1	
1985	0	358	22:37:24.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2858.57 +/-	4O0	4	0	5,834,217:12:1	
1986	0	358	22:37:26.733	411MB6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,834,217:15:0	
1987	0	358	22:39:28.066	411MB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,834,219:15:0	
1988	0	358	22:39:28.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2887.62 +/-	4O0	4	0	5,834,219:16:0	
1989	0	358	22:39:28.733	411MB6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,834,219:16:0	
1990	0	358	22:39:29.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2887.68 +/-	4O0	4	0	5,834,219:17:8	
1991	0	359	00:19:37.400	20MK4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,834,318:20:0	
1992	0	359	00:20:27.400	20MK4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,834,319:04:0	
1993	0	359	00:22:26.066	176MK6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,834,321:00:0	
1994	0	359	04:42:51.400	488GN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,834,578:51:0	
1995	0	359	09:08:54.733	488GN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,834,841:63:0	
1996	0	359	10:38:30.733	488GN6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,834,930:28:0	
1997	0	359	11:04:06.733	488GO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,834,955:57:0	
1998	0	359	14:03:18.666	488GO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,835,132:78:0	
1999	0	359	15:03:02.666	488GO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,835,191:85:0	
2000	0	359	15:16:51.333	488GO6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,835,205:54:0	
2001	0	359	15:26:30.666	488GO6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,835,215:13:0	
2002	0	359	18:43:43.333	488GP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,835,410:17:0	
2003	0	359	19:36:06.666	488GP6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,835,462:00:0	
2004	0	359	22:48:06.666	488GP6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,835,651:81:0	
2005	0	360	00:01:32.000	488GP6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,835,724:46:0	
2006	0	360	00:26:14.666	488GP6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,835,748:86:0	
2007	0	360	00:32:19.333	488GQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,835,754:87:0	
2008	0	360	06:29:17.333	176SB6A	6TMREC	**TPB**	TERMINATE PLAYBACK (PB CONTROL) Record Mo	4O0	4	0	5,836,108:00:0	
2009	0	360	06:34:20.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2887.68 +/-	4O0	4	0	5,836,113:00:0	
2010	0	360	06:34:20.666		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2887.68 +/-	4O0	4	0	5,836,113:00:0	
2011	0	360	06:34:20.666	465LO6A	6DMST	2897	DMS Slew to TIC	4O0	4	0	5,836,113:00:0	
2012	0	360	06:34:27.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2887.68 +/-	4O0	4	0	5,836,113:10:0	
2013	0	360	06:34:28.733		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2887.80 +/-	4O0	4	0	5,836,113:12:1	
2014	0	360	06:34:58.133		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *2894.94 +/-	4O0	4	0	5,836,113:56:2	
2015	0	360	06:34:59.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2895.00 +/-	4O0	4	0	5,836,113:58:0	
2016	0	360	06:39:35.333	488GR6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,836,118:17:0	
2017	0	360	10:47:07.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2895.00 +/-	4O0	4	0	5,836,363:00:0	
2018	0	360	10:47:07.333	411MC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,836,363:00:0	
2019	0	360	10:47:14.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2895.00 +/-	4O0	4	0	5,836,363:10:0	
2020	0	360	10:47:15.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2895.12 +/-	4O0	4	0	5,836,363:12:1	
2021	0	360	10:47:15.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2895.12 +/-	4O0	4	0	5,836,363:12:1	
2022	0	360	10:47:17.333	411MC6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,836,363:15:0	
2023	0	360	10:49:18.666	411MC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,836,365:15:0	
2024	0	360	10:49:19.333	411MC6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,836,365:16:0	
2025	0	360	10:49:19.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2924.17 +/-	4O0	4	0	5,836,365:16:0	
2026	0	360	10:49:20.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2924.23 +/-	4O0	4	0	5,836,365:17:8	
2027	0	360	16:56:10.666	411MD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,836,728:00:0	
2028	0	360	16:56:10.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2924.23 +/-	4O0	4	0	5,836,728:00:0	
2029	0	360	16:56:17.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2924.23 +/-	4O0	4	0	5,836,728:10:0	
2030	0	360	16:56:18.733		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2924.35 +/-	4O0	4	0	5,836,728:12:1	
2031	0	360	16:56:18.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2924.35 +/-	4O0	4	0	5,836,728:12:1	
2032	0	360	16:56:20.666	411MD6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	5,836,728:15:0	
2033	0	360	16:58:22.000	411MD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,836,730:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2034	0	360	16:58:22.666	411MD6D	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,836,730	16:0
2035	0	360	16:58:22.666		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2953.39 +/-	4O0	4	0	5,836,730	16:0
2036	0	360	16:58:23.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2953.45 +/-	4O0	4	0	5,836,730	17:8
2037	0	360	17:02:14.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2953.45 +/-	4O0	4	0	5,836,734	00:0
2038	0	360	17:02:14.666		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2953.45 +/-	4O0	4	0	5,836,734	00:0
2039	0	360	17:02:14.666	465WK6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	5,836,734	00:0
2040	0	360	17:02:21.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2953.45 +/-	4O0	4	0	5,836,734	10:0
2041	0	360	17:02:22.733		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2953.57 +/-	4O0	4	0	5,836,734	12:1
2042	0	360	19:13:39.333	488GS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,836,863	88:0
2043	0	360	19:27:44.133		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	5,836,877	81:2
2044	0	360	19:27:45.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	5,836,877	83:0
2045	0	360	20:24:20.666	488GS6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,836,933	80:0
2046	0	360	20:53:26.666	488GS6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,836,962	60:0
2047	0	360	22:55:55.933	465WL6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,837,083	73:0
2048	0	360	22:55:55.933		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	5,837,083	73:0
2049	0	360	22:55:57.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	5,837,083	75:1
2050	0	360	22:56:02.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	5,837,083	83:0
2051	0	360	22:56:03.800		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	5,837,083	84:8
2052	0	360	22:56:07.666		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	5,837,083	90:6
2053	0	360	22:56:07.666		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	5,837,083	90:6
2054	0	360	23:21:47.933		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	5,837,109	35:0
2055	0	360	23:21:47.933	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,837,109	35:0
2056	0	360	23:21:49.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	5,837,109	36:8
2057	0	360	23:59:59.933	418KT6A	6BUFLO	2	MUB Buffer low water m	4O0	4	0	5,837,147	15:0
2058	0	360	23:59:59.933	418KT6B	6BUFHI	10	MUB Buffer high water	4O0	4	0	5,837,147	15:0
2059	0	361	01:21:37.266	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	4O0	4	0	5,837,227	81:0
2060	0	361	01:21:37.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	5,837,227	81:0
2061	0	361	01:21:37.266		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	5,837,227	81:0
2062	0	361	01:21:38.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	5,837,227	83:1
2063	0	361	01:21:43.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	5,837,228	00:0
2064	0	361	01:21:45.133		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	5,837,228	01:8
2065	0	361	01:21:46.533		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	5,837,228	03:9
2066	0	361	01:25:09.266	488GT6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,837,231	35:0
2067	0	361	01:25:47.200		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,837,232	00:9
2068	0	361	01:25:48.400		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,837,232	02:7
2069	0	361	01:25:48.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,837,232	02:7
2070	0	361	01:25:49.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,837,232	04:8
2071	0	361	01:26:01.800		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,837,232	22:8
2072	0	361	01:26:03.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,837,232	24:6
2073	0	361	01:31:39.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,837,237	75:0
2074	0	361	01:31:39.933	465WN6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,837,237	75:0
2075	0	361	01:31:46.600		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,837,237	85:0
2076	0	361	01:31:50.466		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	5,837,237	90:8
2077	0	361	01:31:50.466		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	5,837,237	90:8
2078	0	361	01:55:50.600	488GT6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,837,261	67:0
2079	0	361	02:03:33.933		DMS:	**: *RUNDOWN**	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	5,837,269	34:0
2080	0	361	02:03:33.933	465WN6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	5,837,269	34:0
2081	0	361	02:03:35.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	5,837,269	35:8
2082	0	361	02:19:09.933	465WO6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,837,284	73:0
2083	0	361	02:19:09.933		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	5,837,284	73:0
2084	0	361	02:19:11.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	5,837,284	75:1
2085	0	361	02:19:16.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	5,837,284	83:0
2086	0	361	02:19:17.800		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	5,837,284	84:8
2087	0	361	02:19:21.666		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	5,837,284	90:6
2088	0	361	02:19:21.666		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	5,837,284	90:6

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2089	0	361	02:51:17.933		DMS:	**: *RUNDOWN**	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	5,837,316:53:0	
2090	0	361	02:51:17.933	465WP6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,837,316:53:0	
2091	0	361	02:51:19.133		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	5,837,316:54:8	
2092	0	361	02:51:23.000		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	5,837,316:60:6	
2093	0	361	02:51:23.000		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	5,837,316:60:6	
2094	0	361	03:23:18.600	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,837,348:22:0	
2095	0	361	03:23:18.600		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	5,837,348:22:0	
2096	0	361	03:23:19.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	5,837,348:23:8	
2097	0	361	03:38:01.933	465WQ6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,837,362:73:0	
2098	0	361	03:38:01.933		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	5,837,362:73:0	
2099	0	361	03:38:03.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	5,837,362:75:1	
2100	0	361	03:38:08.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	5,837,362:83:0	
2101	0	361	03:38:09.800		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	5,837,362:84:8	
2102	0	361	03:38:13.666		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	5,837,362:90:6	
2103	0	361	03:38:13.666		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	5,837,362:90:6	
2104	0	361	03:40:44.600	488GT6C	6TMSED	FILL,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,837,365:44:0	
2105	0	361	04:07:33.933	488GT6D	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,837,392:01:0	
2106	0	361	04:10:09.266	465WR6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,837,394:52:0	
2107	0	361	04:10:09.266		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	5,837,394:52:0	
2108	0	361	04:10:10.466		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	5,837,394:53:8	
2109	0	361	04:10:14.333		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	5,837,394:59:6	
2110	0	361	04:10:14.333		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	5,837,394:59:6	
2111	0	361	04:11:15.266	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,837,395:60:0	
2112	0	361	04:11:15.266		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	5,837,395:60:0	
2113	0	361	04:11:16.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	5,837,395:61:8	
2114	0	361	04:11:59.266	488GT6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,837,396:35:0	
2115	0	361	04:25:45.266		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	5,837,410:00:0	
2116	0	361	04:25:45.266	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,837,410:00:0	
2117	0	361	04:26:39.266	465WT6A	6DTRN	CMD,6DTRN,465WT6	DMS TRACK TURNAROUND	4O0	4	0	5,837,410:81:0	
2118	0	361	04:26:39.266		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	5,837,410:81:0	
2119	0	361	04:26:39.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	5,837,410:81:0	
2120	0	361	04:26:40.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	5,837,410:83:1	
2121	0	361	04:26:45.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	5,837,411:00:0	
2122	0	361	04:26:47.133		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	5,837,411:01:8	
2123	0	361	04:26:48.533		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	5,837,411:03:9	
2124	0	361	04:38:14.333		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,837,422:31:6	
2125	0	361	04:38:15.533		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,837,422:33:4	
2126	0	361	04:38:15.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,837,422:33:4	
2127	0	361	04:38:16.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,837,422:35:5	
2128	0	361	04:38:28.933		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,837,422:53:5	
2129	0	361	04:38:30.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,837,422:55:3	
2130	0	361	06:40:54.600	488GU6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,837,543:61:0	
2131	0	361	10:42:43.933	488GU6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,837,782:76:0	
2132	0	361	12:33:42.600	488GU6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,837,892:54:0	
2133	0	361	14:37:26.600	488GV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,838,014:88:0	
2134	0	361	14:58:46.600	488GV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,838,036:06:0	
2135	0	361	15:30:46.600	488GV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,838,067:65:0	
2136	0	361	16:11:37.266	488GV6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,838,108:10:0	
2137	0	361	16:45:16.600	488GV6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,838,141:36:0	
2138	0	361	22:29:59.933		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,838,482:30:0	
2139	**0**	**361**	**22:30:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**5,838,482:30:1**	
2140	**0**	**361**	**22:30:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**5,838,482:30:1**	
2141	**0**	**361**	**22:30:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,838,482:30:1**	
2142	**0**	**361**	**22:30:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**5,838,482:30:1**	
2143	**0**	**361**	**22:30:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,838,482:30:1**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2144	0	361	22:30:00.000	20A3FB	37F2PR	Final Condition	Shield Flash Heater OFF (primary relay)	4O0	4	0	5,838,482	30:1
2145	0	361	22:30:00.000	20A3FD	40HRPR	Final Condition	RCT Heater OFF (primary relay)	4O0	4	0	5,838,482	30:1
2146	0	361	22:30:00.000	20A3FE	40T1PR	Final Condition	PCT Heater 1 OFF (primary relay)	4O0	4	0	5,838,482	30:1
2147	0	361	22:30:00.000	20A3FF	40T2R	Final Condition	PCT Heater 2 OFF	4O0	4	0	5,838,482	30:1

28GNCALDRA01

```
OAPEL:  28GNCALDRA01            ALIAS:  28GSCALDRA01
EXT:    B                       PSID:   IE
SCLK1:  05524440:09:0           SCLK2:  05524440:49:0
SCET1:    00-141/10:18:34.933   SCET2:    00-141/10:19:02.266
TARGET: GANYMEDE                PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   15                  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:    0013015001          00  13  015  001
WTGRP_SIZ: 13
```

EDIT TABLE

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

28GNFEATRE01

```
OAPEL:  28GNFEATRE01            ALIAS:  28GNFEATRE01
EXT:    A                       PSID:   DA
SCLK1:  05524442:86:0           SCLK2:  05524450:83:0
SCET1:    00-141/10:21:28.266   SCET2:    00-141/10:29:30.933
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:  360                  TLMFMT:    MPW

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

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

EDIT TABLE

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

28GNSMOOTH02

```
OAPEL:  28GNSMOOTH02            ALIAS:  28GSSMOOTH02
EXT:    A                       PSID:   IF
SCLK1:  05524451:08:0           SCLK2:  05524451:23:0
SCET1:    00-141/10:29:42.266   SCET2:    00-141/10:29:52.266
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:  360                  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:    0326360001          03  26  360  001
WTGRP_SIZ: 26
```

EDIT TABLE

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

28GNBRTDRK02

OAPEL: 28GNBRTDRK02 ALIAS: 28GSBRTDRK02
EXT: A PSID: IG
SCLK1: 05524452:09:0 SCLK2: 05524452:24:0
SCET1: 00-141/10:30:42.933 SCET2: 00-141/10:30:52.933
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: 360 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: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

28GNNICHOL02

```
OAPEL:  28GNNICHOL02            ALIAS:  28GSNICHOL02
EXT:    A                       PSID:   IH
SCLK1:  05524453:09:0           SCLK2:  05524453:24:0
SCET1:    00-141/10:31:43.600   SCET2:    00-141/10:31:53.600
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:  360                  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:    0326360001          03  26  360  001
WTGRP_SIZ: 26
```

EDIT TABLE

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

28GNARBELA02

OAPEL: 28GNARBELA02 ALIAS: 28GSARBELA02
EXT: A PSID: II
SCLK1: 05524454:08:0 SCLK2: 05524454:76:0
SCET1: 00-141/10:32:44.266 SCET2: 00-141/10:33:28.933
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: 360 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: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

28GNLMSCAN01

OAPEL: 28GNLMSCAN01 ALIAS: 28GNLMSCAN01
EXT: A PSID: DB
SCLK1: 05524458:87:0 SCLK2: 05524470:73:0
SCET1: 00-141/10:37:38.933 SCET2: 00-141/10:49:38.266
TARGET: GANYMEDE PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 360 TLMFMT: MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

28GNPERRIN01

```
OAPEL:  28GNPERRIN01            ALIAS:  28GNPERRIN01
EXT:    A                       PSID:   DC
SCLK1:  05524542:86:0           SCLK2:  05524550:78:0
SCET1:    00-141/12:02:34.933   SCET2:    00-141/12:10:34.933
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:  360                  TLMFMT:    MPW

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

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

EDIT TABLE

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

28GNGLOBAL01

```
OAPEL:  28GNGLOBAL01            ALIAS:  28GNGLOBAL01
EXT:    A                       PSID:   DD
SCLK1:  05524800:86:0           SCLK2:  05524812:74:0
SCET1:    00-141/16:23:26.933   SCET2:    00-141/16:35:26.933
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:  360                  TLMFMT:    MPW

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

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

EDIT TABLE

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

28ENECLPSE01

```
OAPEL:  28ENECLPSE01            ALIAS:  28ENECLPSE01
EXT:    A                       PSID:   DE
SCLK1:  05525138:86:0           SCLK2:  05525139:85:0
SCET1:    00-141/22:05:12.266   SCET2:    00-141/22:06:12.266
TARGET: EUROPA                  PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  360                  TLMFMT:    MPW

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

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

EDIT TABLE

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

28JNNEBRLT01

```
OAPEL:  28JNNEBRLT01            ALIAS:  28JNNEBRLT01
EXT:    R                       PSID:   DF
SCLK1:  05525923:00:0           SCLK2:  05525932:12:0
SCET1:  2000-142/11:17:57.600   SCET2:  2000-142/11:27:11.600
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: 00.
RATE_CON1: 00000                RATE_CON2: 00000
NWAVETOT:  408                  TLMFMT:    RT

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

WETGID:    0302408000          03  02  408  000
WTGRP_SIZ:  2
```

EDIT TABLE

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

28JNNTZRLT01

OAPEL: 28JNNTZRLT01 ALIAS: 28JNNTZRLT01
EXT: R PSID: DG
SCLK1: 05525945:00:0 SCLK2: 05525954:12:0
SCET1: 2000-142/11:40:12.266 SCET2: 2000-142/11:49:26.266
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: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28JNNEBRLT02

OAPEL: 28JNNEBRLT02 ALIAS: 28JNNEBRLT02
EXT: R PSID: DH
SCLK1: 05526118:00:0 SCLK2: 05526127:12:0
SCET1: 2000-142/14:35:07.533 SCET2: 2000-142/14:44:21.466
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28JNNTZRLT02

OAPEL: 28JNNTZRLT02 ALIAS: 28JNNTZRLT02
EXT: R PSID: DI
SCLK1: 05526133:00:0 SCLK2: 05526142:12:0
SCET1: 2000-142/14:50:07.533 SCET2: 2000-142/14:59:31.533
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: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28JNNEBRLT03

OAPEL: 28JNNEBRLT03 ALIAS: 28JNNEBRLT03
EXT: R PSID: DJ
SCLK1: 05526578:00:0 SCLK2: 05526587:12:0
SCET1: 2000-142/22:20:13.200 SCET2: 2000-142/22:29:28.200
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: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28JNNTZRLT03

OAPEL: 28JNNTZRLT03 ALIAS: 28JNNTZRLT03
EXT: R PSID: DK
SCLK1: 05526598:00:0 SCLK2: 05526607:12:0
SCET1: 2000-142/22:40:27.533 SCET2: 2000-142/22:49:41.533
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: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28JNEQBLGE01

```
OAPEL:  28JNEQBLGE01            ALIAS:  28JNEQBLGE01
EXT:    R                       PSID:   DL
SCLK1:  05526880:00:0           SCLK2:  05526884:12:0
SCET1:  2000-143/03:25:35.533   SCET2:  2000-143/03:29:46.200
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: 00.
RATE_CON1: 00000                RATE_CON2: 00000
NWAVETOT:  408                  TLMFMT:    RT

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

WETGID:    0302408000          03  02  408  000
WTGRP_SIZ:  2
```

EDIT TABLE

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

28JNEQBLGE02

OAPEL: 28JNEQBLGE02 ALIAS: 28JNEQBLGE02
EXT: R PSID: DM
SCLK1: 05527018:00:0 SCLK2: 05527022:12:0
SCET1: 2000-143/05:45:07.533 SCET2: 2000-143/05:49:18.200
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: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28JNEQBLGE03

OAPEL: 28JNEQBLGE03 ALIAS: 28JNEQBLGE03
EXT: R PSID: DQ
SCLK1: 05527117:00:0 SCLK2: 05527121:12:0
SCET1: 2000-143/07:25:13.533 SCET2: 2000-143/07:29:24.200
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: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28JNEQBLGE04

OAPEL: 28JNEQBLGE04 ALIAS: 28JNEQBLGE04
EXT: R PSID: DO
SCLK1: 05527255:00:0 SCLK2: 05527259:12:0
SCET1: 2000-143/09:44:45.533 SCET2: 2000-143/09:48:56.200
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: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28JNEQBLGE05

OAPEL: 28JNEQBLGE05 ALIAS: 28JNEQBLGE05
EXT: R PSID: DS
SCLK1: 05527315:00:0 SCLK2: 05527319:12:0
SCET1: 2000-143/10:45:35.533 SCET2: 2000-143/10:49:36.200
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: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28JNAURORA01

OAPEL: 28JNAURORA01 ALIAS: 28JNAURORA01
EXT: A PSID: DT
SCLK1: 05527338:86:0 SCLK2: 05527341:44:0
SCET1: 00-143/11:09:38.866 SCET2: 00-143/11:12:12.200
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 360 TLMFMT: MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

28JNAURORA02

OAPEL: 28JNAURORA02 ALIAS: 28JNAURORA02
EXT: A PSID: DS
SCLK1: 05527399:86:0 SCLK2: 05527402:53:0
SCET1: 00-143/12:11:19.533 SCET2: 00-143/12:13:59.533
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 360 TLMFMT: MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

28JNAURORA03

```
OAPEL:  28JNAURORA03            ALIAS:  28JNAURORA03
EXT:    A                       PSID:   DT
SCLK1:  05527458:86:0           SCLK2:  05527461:53:0
SCET1:    00-143/13:10:58.866   SCET2:    00-143/13:13:38.866
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  360                  TLMFMT:    MPW

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

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

EDIT TABLE

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

28JNAURORA04

OAPEL: 28JNAURORA04 ALIAS: 28JNAURORA04
EXT: A PSID: DY
SCLK1: 05527537:86:0 SCLK2: 05527540:53:0
SCET1: 00-143/14:30:51.533 SCET2: 00-143/14:33:31.533
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 360 TLMFMT: MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

28JNGLOBAL01

```
OAPEL:  28JNGLOBAL01            ALIAS:  28JNGLOBAL01
EXT:    A                       PSID:   DZ
SCLK1:  05527573:50:0           SCLK2:  05527578:45:0
SCET1:    00-143/15:06:51.533   SCET2:    00-143/15:11:51.533
TARGET: JUPITER                 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:    1

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   15                  TLMFMT:    MPW

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

WETGID:    0713015001          07  13  015  001
WTGRP_SIZ: 13
```

EDIT TABLE

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

28JNAURORA05

```
OAPEL:  28JNAURORA05            ALIAS:  28JNAURORA05
EXT:    A                       PSID:   KA
SCLK1:  05527587:86:0           SCLK2:  05527590:53:0
SCET1:    00-143/15:21:24.866   SCET2:    00-143/15:24:04.866
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  360                  TLMFMT:    MPW

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

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

EDIT TABLE

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

28JNAURORA06

OAPEL: 28JNAURORA06 ALIAS: 28JNAURORA06
EXT: A PSID: KB
SCLK1: 05527636:86:0 SCLK2: 05527639:49:0
SCET1: 00-143/16:10:57.533 SCET2: 00-143/16:13:34.866
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 360 TLMFMT: MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

28JNFEATRK01

OAPEL: 28JNFEATRK01 ALIAS: 28JSFEATRK01
EXT: A PSID: IM
SCLK1: 05527661:10:0 SCLK2: 05527664:67:0
SCET1: 00-143/16:35:23.533 SCET2: 00-143/16:39:03.000
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 360 TLMFMT: HIM

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

28JNGLOBAL02

```
OAPEL:  28JNGLOBAL02            ALIAS:  28JNGLOBAL02
EXT:    A                       PSID:   KC
SCLK1:  05527682:51:0           SCLK2:  05527688:15:0
SCET1:    00-143/16:57:04.200   SCET2:    00-143/17:02:44.200
TARGET: JUPITER                 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:    1

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   15                  TLMFMT:    MPW

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

WETGID:    0713015001          07  13  015  001
WTGRP_SIZ: 13
```

EDIT TABLE

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

28JNAURORA07

```
OAPEL:  28JNAURORA07            ALIAS:  28JNAURORA07
EXT:    A                       PSID:   KD
SCLK1:  05527694:87:0           SCLK2:  05527697:49:0
SCET1:    00-143/17:09:36.200   SCET2:    00-143/17:12:13.533
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  360                  TLMFMT:    MPW

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

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

EDIT TABLE

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

28JNFEATRK02

OAPEL: 28JNFEATRK02 ALIAS: 28JSFEATRK02
EXT: A PSID: IN
SCLK1: 05527714:10:0 SCLK2: 05527719:89:0
SCET1: 00-143/17:28:58.866 SCET2: 00-143/17:34:54.866
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 360 TLMFMT: HIM

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

28JNAURORA08

OAPEL: 28JNAURORA08 ALIAS: 28JNAURORA08
EXT: A PSID: KE
SCLK1: 05527755:87:0 SCLK2: 05527758:47:0
SCET1: 00-143/18:11:16.866 SCET2: 00-143/18:13:52.200
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 360 TLMFMT: MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

28JNFEATRK03

```
OAPEL:  28JNFEATRK03            ALIAS:  28JSFEATRK03
EXT:    A                       PSID:   IO
SCLK1:  05527767:11:0           SCLK2:  05527769:90:0
SCET1:    00-143/18:22:34.200   SCET2:    00-143/18:25:28.200
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   15                  TLMFMT:    HIM

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

WETGID:    0013015001          00  13  015  001
WTGRP_SIZ: 13
```

EDIT TABLE

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

28JNFEATRK03

```
OAPEL:  28JNFEATRK03            ALIAS:  28JSFEATRK03
EXT:    B                       PSID:   IO
SCLK1:  05527770:00:0           SCLK2:  05527772:90:0
SCET1:    00-143/18:25:28.866   SCET2:    00-143/18:28:30.200
TARGET: JUPITER                 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:    1

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   15                  TLMFMT:    HIM

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

WETGID:    0713015001          07  13  015  001
WTGRP_SIZ: 13
```

EDIT TABLE

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

28JNGLOBAL03

```
OAPEL:  28JNGLOBAL03            ALIAS:  28JNGLOBAL03
EXT:    A                       PSID:   EC
SCLK1:  05527786:54:0           SCLK2:  05527791:74:0
SCET1:    00-143/18:42:15.533   SCET2:    00-143/18:47:32.866
TARGET: JUPITER                 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:    1

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   15                  TLMFMT:    MPW

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

WETGID:    0713015001          07  13  015  001
WTGRP_SIZ: 13
```

EDIT TABLE

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

28JNAURORA09

OAPEL: 28JNAURORA09 ALIAS: 28JNAURORA09
EXT: A PSID: KG
SCLK1: 05527834:87:0 SCLK2: 05527837:46:0
SCET1: 00-143/19:31:09.533 SCET2: 00-143/19:33:44.866
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 360 TLMFMT: MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

28JNAURORA10

OAPEL: 28JNAURORA10 ALIAS: 28JNAURORA10
EXT: A PSID: KI
SCLK1: 05527893:87:0 SCLK2: 05527896:47:0
SCET1: 00-143/20:30:48.866 SCET2: 00-143/20:33:24.200
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 360 TLMFMT: MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

28JNEQBLGE06

OAPEL: 28JNEQBLGE06 ALIAS: 28JNEQBLGE06
EXT: R PSID: KJ
SCLK1: 05528224:00:0 SCLK2: 05528228:12:0
SCET1: 2000-144/02:03:91.466 SCET2: 2000-144/02:08:42.133
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: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28JNEQBLGE07

OAPEL: 28JNEQBLGE07 ALIAS: 28JNEQBLGE07
EXT: R PSID: KK
SCLK1: 05528343:00:0 SCLK2: 05528347:12:0
SCET1: 2000-144/04:04:50.800 SCET2: 2000-144/04:09:01.466
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28JNEQBLGE08

OAPEL: 28JNEQBLGE08 ALIAS: 28JNEQBLGE08
EXT: R PSID: KL
SCLK1: 05528462:00:0 SCLK2: 05528466:12:1
SCET1: 2000-144/06:05:10.133 SCET2: 2000-144/06:09:20.800
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28JNEQBLGE09

OAPEL: 28JNEQBLGE09 ALIAS: 28JNEQBLGE09
EXT: R PSID: KM
SCLK1: 05528580:00:0 SCLK2: 05528584:12:0
SCET1: 2000-144/08:04:28.800 SCET2: 2000-144/08:08:39.466
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28JNEQBLGE10

OAPEL: 28JNEQBLGE10 ALIAS: 28JNEQBLGE10
EXT: R PSID: KN
SCLK1: 05528699:00:0 SCLK2: 05528703:12:0
SCET1: 2000-144/10:04:48.133 SCET2: 2000-144/10:08:58.800
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 00.
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

28NNPCTRLT01

OAPEL: 28NNPCTRLT01 ALIAS: LSNNPCTRLT01
EXT: R PSID: FB
SCLK1: 05592248:00:0 SCLK2: 05592249:12:0
SCET1: 2000-189/00:59:52.066 SCET2: 2000-189/01:01:00.733
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: 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

28NNPCTRLT01

OAPEL: 28NNPCTRLT01 ALIAS: LSNNPCTRLT01
EXT: S PSID: FB
SCLK1: 05592254:00:0 SCLK2: 05592263:12:0
SCET1: 2000-189/01:05:56.066 SCET2: 2000-189/01:15:10.066
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 G28 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS G28 data. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry. Included items come from NIMS commands in (1) the Standard Sequence Data File (SSDF) and (2) the Playback Table Update Process (PTUP), plus some items from (3) the NIMS/CDS software load.

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

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

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

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

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

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

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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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28GNCALDRA0128GSCALDRA01BIE05524440:09:005524440:49:01         GANYMEDE 0214 1 0 0 0 012 1 0 0 0 01200010 0000000000 1 2.00.3000
0065525        1         15IM4  00-141/10:18:34.933  00-141/10:19:02.266
          0000000000000000000000000000000000000000000000000001301500113011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF
28GNFEATRE0128GNFEATRE01ADA05524442:86:005524450:83:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360MPW  00-141/10:21:28.266  00-141/10:29:30.933
          0000000000000000000000000000000000000000000000000003263600012601 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28GNSMOOTH0228GSSMOOTH02AIF05524451:08:005524451:23:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360IM4  00-141/10:29:42.266  00-141/10:29:52.266
          0000000000000000000000000000000000000000000000000003263600012601 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28GNBRTDRK0228GSBRTDRK02AIG05524452:09:005524452:24:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360IM4  00-141/10:30:42.933  00-141/10:30:52.933
          0000000000000000000000000000000000000000000000000003263600012601 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28GNNICHOL0228GSNICHOL02AIH05524453:09:005524453:24:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360IM4  00-141/10:31:43.600  00-141/10:31:53.600
          0000000000000000000000000000000000000000000000000003263600012601 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28GNARBELA0228GSARBELA02AII05524454:08:005524454:76:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360IM4  00-141/10:32:44.266  00-141/10:33:28.933
          0000000000000000000000000000000000000000000000000003263600012601 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28GNLMSCAN0128GNLMSCAN01ADB05524458:87:005524470:73:01         GANYMEDE 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360MPW  00-141/10:37:38.933  00-141/10:49:38.266
          0000000000000000000000000000000000000000000000000003263600012601 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28GNPERRIN0128GNPERRIN01ADC05524542:86:005524550:78:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360MPW  00-141/12:02:34.933  00-141/12:10:34.933
          0000000000000000000000000000000000000000000000000003263600012601 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28GNGLOBAL0128GNGLOBAL01ADD05524800:86:005524812:74:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360MPW  00-141/16:23:26.933  00-141/16:35:26.933
          0000000000000000000000000000000000000000000000000003263600012601 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28ENECLPSE0128ENECLPSE01ADE05525138:86:005525139:85:01         EUROPA   3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360MPW  00-141/22:05:12.266  00-141/22:06:12.266
          0000000000000000000000000000000000000000000000000003263600012601 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
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28JNNEBRLT0128JNNEBRLT01RDF05525923:00:005525932:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-142/11:17:57.6002000-142/11:27:11.600
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28JNNTZRLT0128JNNTZRLT01RDG05525945:00:005525954:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-142/11:40:12.2662000-142/11:49:26.266
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28JNNEBRLT0228JNNEBRLT02RDH05526118:00:005526127:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-142/14:35:07.5332000-142/14:44:21.466
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28JNNTZRLT0228JNNTZRLT02RDI05526133:00:005526142:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-142/14:50:07.5332000-142/14:59:31.533
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28JNNEBRLT0328JNNEBRLT03RDJ05526578:00:005526587:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-142/22:20:13.2002000-142/22:29:28.200
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28JNNTZRLT0328JNNTZRLT03RDK05526598:00:005526607:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-142/22:40:27.5332000-142/22:49:41.533
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28JNEQBLGE0128JNEQBLGE01RDL05526880:00:005526884:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-143/03:25:35.5332000-143/03:29:46.200
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28JNEQBLGE0228JNEQBLGE02RDM05527018:00:005527022:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-143/05:45:07.5332000-143/05:49:18.200
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28JNEQBLGE0328JNEQBLGE03RDQ05527117:00:005527121:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-143/07:25:13.5332000-143/07:29:24.200
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28JNEQBLGE0428JNEQBLGE04RDO05527255:00:005527259:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-143/09:44:45.5332000-143/09:48:56.200
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

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28JNEQBLGE0528JNEQBLGE05RDS05527315:00:005527319:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-143/10:45:35.5332000-143/10:49:36.200
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28JNAURORA0128JNAURORA01ADT05527338:86:005527341:44:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360MPW  00-143/11:09:38.866  00-143/11:12:12.200
          000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28JNAURORA0228JNAURORA02ADS05527399:86:005527402:53:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360MPW  00-143/12:11:19.533  00-143/12:13:59.533
          000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28JNAURORA0328JNAURORA03ADT05527458:86:005527461:53:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360MPW  00-143/13:10:58.866  00-143/13:13:38.866
          000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28JNAURORA0428JNAURORA04ADY05527537:86:005527540:53:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360MPW  00-143/14:30:51.533  00-143/14:33:31.533
          000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28JNGLOBAL0128JNGLOBAL01ADZ05527573:50:005527578:45:01         JUPITER  7214 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525        2         15MPW  00-143/15:06:51.533  00-143/15:11:51.533
          000000000000000000000000000000000000000000000000000071301500113011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF0100000
28JNAURORA0528JNAURORA05AKA05527587:86:005527590:53:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360MPW  00-143/15:21:24.866  00-143/15:24:04.866
          000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28JNAURORA0628JNAURORA06AKB05527636:86:005527639:49:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360MPW  00-143/16:10:57.533  00-143/16:13:34.866
          000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28JNFEATRK0128JSFEATRK01AIM05527661:10:005527664:67:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360HIM  00-143/16:35:23.533  00-143/16:39:03.000
          000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28JNGLOBAL0228JNGLOBAL02AKC05527682:51:005527688:15:01         JUPITER  7214 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525        1         15MPW  00-143/16:57:04.200  00-143/17:02:44.200
          000000000000000000000000000000000000000000000000000071301500113011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF0100000
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28JNAURORA0728JNAURORA07AKD05527694:87:005527697:49:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360MPW  00-143/17:09:36.200  00-143/17:12:13.533
          0000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28JNFEATRK0228JSFEATRK02AIN05527714:10:005527719:89:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360HIM  00-143/17:28:58.866  00-143/17:34:54.866
          0000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28JNAURORA0828JNAURORA08AKE05527755:87:005527758:47:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360MPW  00-143/18:11:16.866  00-143/18:13:52.200
          0000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28JNFEATRK0328JSFEATRK03AIO05527767:11:005527769:90:01         JUPITER  0214 1 0 0 0 012 1 0 0 0 01200010 0000000000 1 2.00.3000
0065525        1         15HIM  00-143/18:22:34.200  00-143/18:25:28.200
          0000000000000000000000000000000000000000000000000001301500113011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF0100000
28JNFEATRK0328JSFEATRK03BIO05527770:00:005527772:90:01         JUPITER  7214 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525        1         15HIM  00-143/18:25:28.866  00-143/18:28:30.200
          0000000000000000000000000000000000000000000000000071301500113011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF0100000
28JNGLOBAL0328JNGLOBAL03AEC05527786:54:005527791:74:01         JUPITER  7214 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525        2         15MPW  00-143/18:42:15.533  00-143/18:47:32.866
          0000000000000000000000000000000000000000000000000071301500113011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF0100000
28JNAURORA0928JNAURORA09AKG05527834:87:005527837:46:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360MPW  00-143/19:31:09.533  00-143/19:33:44.866
          0000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28JNAURORA1028JNAURORA10AKI05527893:87:005527896:47:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360MPW  00-143/20:30:48.866  00-143/20:33:24.200
          0000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
28JNEQBLGE0628JNEQBLGE06RKJ05528224:00:005528228:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                408RT 2000-144/02:03:91.4662000-144/02:08:42.133
          0000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28JNEQBLGE0728JNEQBLGE07RKK05528343:00:005528347:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                408RT 2000-144/04:04:50.8002000-144/04:09:01.466
          0000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

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28JNEQBLGE0828JNEQBLGE08RKL05528462:00:005528466:12:11         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-144/06:05:10.1332000-144/06:09:20.800
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28JNEQBLGE0928JNEQBLGE09RKM05528580:00:005528584:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-144/08:04:28.8002000-144/08:08:39.466
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28JNEQBLGE1028JNEQBLGE10RKN05528699:00:005528703:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.000.0000
0000000                 408RT 2000-144/10:04:48.1332000-144/10:08:58.800
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

28NNPCTRLT01LSNNPCTRLT01RFB05592248:00:005592249:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 2000-189/00:59:52.0662000-189/01:01:00.733
          000000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

28NNPCTRLT01LSNNPCTRLT01SFB05592254:00:005592263:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 2000-189/01:05:56.0662000-189/01:15:10.066
          000000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

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