Chapter 4 - NIMS Observation Summaries

Contents

Introduction to Chapter 4

This chapter summarizes the NIMS G29 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 G29 Sequence. The information in this summary is derived from the G29 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:

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     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)
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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 G29 data. It is also derived from the G29 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

Sequence: G29A-AR Created: 5/25/01 Begin: 00-361/22:30:00 Finish: 01-036/20:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	0	361	22:29:59.933		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,838,482:30:0
2	**0**	**361**	**22:30:00.000**	**20A3EX**	**37HR**	**Initial Condiiton**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**5,838,482:30:1**
3	**0**	**361**	**22:30:00.000**	**20A3EY**	**37C1PR**	**Initial Condiiton**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,838,482:30:1**
4	**0**	**361**	**22:30:00.000**	**20A3EZ**	**37C2PR**	**Initial Condiiton**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**5,838,482:30:1**
5	**0**	**361**	**22:30:00.000**	**20A3FA**	**37F1PR**	**Initial Condiiton**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,838,482:30:1**
6	**0**	**361**	**22:30:00.000**	**20A3FB**	**37F2PR**	**Initial Condiiton**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,838,482:30:1**
7	**0**	**361**	**22:30:00.000**	**20A3FD**	**40HRPR**	**Initial Condiiton**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,838,482:30:1**
8	**0**	**361**	**22:30:00.000**	**20A3FE**	**40T1PR**	**Initial Condiiton**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,838,482:30:1**
9	**0**	**361**	**22:30:00.000**	**20A3FF**	**40T2R**	**Initial Condiiton**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**5,838,482:30:1**
10	**0**	**361**	**22:30:00.000**	**20A3EW**	**37A**	**Initial Condiiton**	**NIMS Power ON**	**4O0**	**4**	**0**	**5,838,482:30:1**
11	**0**	**361**	**22:30:39.266**	**432JA6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4O0**	**4**	**0**	**5,838,482:89:0**
12	0	361	22:31:00.600	20OA6A	6HICON			4O0	4	0	5,838,483:30:0
13	0	361	22:31:02.600	488AA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,838,483:33:0
14	0	361	23:01:43.266	488AA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,838,513:64:0
15	0	362	03:05:22.600	488AA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,838,754:62:0
16	0	362	04:11:39.266	488AA6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,838,820:21:0
17	0	362	04:45:18.600	488AB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,838,853:47:0
18	0	362	10:34:14.533	488AB6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,839,198:56:0
19	0	362	10:51:18.533	488AC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,839,215:45:0
20	0	362	11:51:39.200	488AC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,839,275:16:0
21	0	362	12:35:18.533	488AC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,839,318:32:0
22	0	362	14:33:10.533	488AC6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,839,434:84:0
23	0	362	14:59:59.866	488AC6E	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	5,839,461:41:0
24	0	362	15:45:42.533	488AD6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	5,839,506:60:0
25	0	362	16:01:40.533	488AD6B	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	4O0	4	0	5,839,522:41:0
26	0	362	16:50:19.200	488AD6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	5,839,570:51:0
27	0	362	16:59:51.866	465KA6A	6DMST	3032	DMS Slew to TIC	4O0	4	0	5,839,580:00:0
28	0	362	16:59:51.866		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,839,580:00:0
29	0	362	16:59:51.866		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,839,580:00:0
30	0	362	16:59:51.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,839,580:00:0
31	0	362	16:59:58.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,839,580:10:0
32	0	362	16:59:59.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	5,839,580:12:1
33	0	362	20:21:04.000		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *3029.94 +/-	4O0	4	0	5,839,778:90:2
34	0	362	20:21:05.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3030.00 +/-	4O0	4	0	5,839,779:01:0
35	0	362	21:09:59.866	20TO4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,839,827:35:0
36	0	362	21:10:49.866	20TO4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,839,828:19:0
37	0	362	21:10:55.866	20TO4E	7STAR	1,1610,278.815,3	Star catalog update	4O0	4	0	5,839,828:28:0
38	0	362	21:10:57.866	20TO4F	7STAR	2,9000,2.664,14.	Star catalog update	4O0	4	0	5,839,828:31:0
39	0	362	21:10:59.866	20TO4G	7STAR	3,1610,278.815,3	Star catalog update	4O0	4	0	5,839,828:34:0
40	0	362	21:11:01.866	20TO4H	7STAR	4,9000,2.664,14.	Star catalog update	4O0	4	0	5,839,828:37:0
41	0	362	21:11:03.866	20TO4I	7STAR	5,1610,278.815,3	Star catalog update	4O0	4	0	5,839,828:40:0
42	0	362	21:11:05.866	20TO4J	7STAR	6,9000,2.664,14.	Star catalog update	4O0	4	0	5,839,828:43:0
43	0	362	21:15:02.533	432OB431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,839,832:34:0
44	0	362	21:15:03.200	432OB6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,839,832:35:0
45	0	363	00:59:59.866	488AE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,840,054:78:0
46	0	363	02:26:41.200	488AE6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,840,140:54:0
47	0	363	03:00:20.533	488AE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,840,173:80:0
48	0	363	03:38:02.533	488AE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,840,211:15:0
49	0	363	07:18:19.866	20UE4A	7SCAN	NORM,66.462,20.9	Check S/P Position	4O0	4	0	5,840,429:03:0
50	0	363	07:22:20.533	192GA4A	**7CONE**	**9.0,0.0**	Check S/P Position	4O0	4	0	5,840,433:00:0
51	0	363	07:29:25.200	176GA6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4O0	4	0	5,840,440:00:0
52	0	363	07:31:39.866	176GA6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	5,840,442:20:0
53	0	363	07:31:41.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3030.00 +/-	4O0	4	0	5,840,442:23:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	0	363	07:31:41.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	5,840,442:23:0	
55	0	363	07:31:48.533		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3030.00 +/-	4O0	4	0	5,840,442:33:0	
56	0	363	07:31:49.933		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3030.12 +/-	4O0	4	0	5,840,442:35:1	
57	0	363	07:31:51.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3030.57 +/-	4O0	4	0	5,840,442:38:0	
58	0	363	07:32:03.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,840,442:55:0	
59	0	363	07:32:03.200		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3033.23 +/-	4O0	4	0	5,840,442:55:0	
60	0	363	07:32:04.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3033.29 +/-	4O0	4	0	5,840,442:56:8	
61	0	363	07:34:28.533	192GA4B	**7CONE**	**9.0,90.0**	Check S/P Position	4O0	4	0	5,840,445:00:0	
62	0	363	07:54:31.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3033.29 +/-	4O0	4	0	5,840,464:75:0	
63	0	363	07:54:31.200	175TA422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4O0	4	0	5,840,464:75:0	
64	0	363	07:54:37.866		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3033.29 +/-	4O0	4	0	5,840,464:85:0	
65	0	363	07:54:39.200	282NA431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	4O0	4	0	5,840,464:87:0	
66	0	363	07:54:39.200	175TA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	5,840,464:87:0	
67	0	363	07:54:39.266		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3033.41 +/-	4O0	4	0	5,840,464:87:1	
68	0	363	07:54:39.266		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3033.41 +/-	4O0	4	0	5,840,464:87:1	
69	0	363	07:54:41.200	165GA4A	7SCAN	NORM,248.313999,	Check S/P Position	4O0	4	0	5,840,464:90:0	
70	0	363	07:54:41.866	431MA6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	5,840,465:00:0	
71	0	363	07:55:31.866	488AF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,840,465:75:0	
72	0	363	08:00:36.533	117GA	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	5,840,470:77:0	
73	0	363	08:00:44.533	165GA4B	7VECT		Inert vect update UTC	4O0	4	0	5,840,470:89:0	
74	0	363	08:00:45.866	117GA105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =0,0.9	4O0	4	0	5,840,471:00:0	
75	0	363	08:02:43.200	117GA105A106B4A	7STRP	-0.0003,0.0001,0	Slew =12.01	4O0	4	0	5,840,472:85:0	
76	0	363	08:02:55.866	117GA105A106B4B	7STRP	-0.359147,0.1226	Slew =0,0.9	4O0	4	0	5,840,473:13:0	
77	0	363	08:15:52.533	117GA11A	**CSMOS**	GE	***** GROUP END CSMOS	4O0	4	0	5,840,485:86:0	
78	0	363	08:19:57.866	165GB4A	7SCAN	NORM,308.675999,	Check S/P Position	4O0	4	0	5,840,489:90:0	
79	0	363	08:21:50.533	117GB	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	5,840,491:77:0	
80	0	363	08:21:58.533	165GB4B	7VECT		Inert vect update UTC	4O0	4	0	5,840,491:89:0	
81	0	363	08:21:59.866	117GB105A106A4A	7STRP	-0.049039,0.01,0	Slew =,1.61	4O0	4	0	5,840,492:00:0	
82	0	363	08:22:03.200	428JA6A	6RCCLR			4O0	4	0	5,840,492:05:0	
83	0	363	08:22:03.866	428JA6B	6RCSET	12		4O0	4	0	5,840,492:06:0	
84	0	363	08:22:42.533	117GB105A106A4B	7STRP	0.050042,-0.0103	Slew =12.01	4O0	4	0	5,840,492:64:0	
85	0	363	08:22:56.533	117GB105A106A4C	7STRP	-0.049039,0.01,0	Slew =,1.61	4O0	4	0	5,840,492:85:0	
86	0	363	08:23:39.200	117GB105A106A4D	7STRP	0.050042,-0.0103	Slew =12.01	4O0	4	0	5,840,493:58:0	
87	0	363	08:23:53.200	117GB105A106A4E	7STRP	-0.049039,0.01,0	Slew =,1.61	4O0	4	0	5,840,493:79:0	
88	0	363	08:24:25.200	175NA422A6A	6DMSC	R115,1	DMS Control	4O0	4	0	5,840,494:36:0	
89	0	363	08:24:25.200		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3451.99 +/-	4O0	4	0	5,840,494:36:0	
90	0	363	08:24:26.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *3452.05 +/-	4O0	4	0	5,840,494:37:8	
91	0	363	08:24:30.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3458.35 +/-	4O0	4	0	5,840,494:43:8	
92	0	363	08:24:30.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3458.35 +/-	4O0	4	0	5,840,494:43:8	
93	0	363	08:24:30.533	175NA176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	4O0	4	0	5,840,494:44:0	
94	0	363	08:24:35.866	117GB105A106A4F	7STRP	0.050042,-0.0103	Slew =12.01	4O0	4	0	5,840,494:52:0	
95	0	363	08:24:49.866	117GB105A106A4G	7STRP	-0.049039,0.01,0	Slew =,1.61	4O0	4	0	5,840,494:73:0	
96	0	363	08:25:31.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3674.44 +/-	4O0	4	0	5,840,495:45:0	
97	0	363	08:25:31.866	175TB422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4O0	4	0	5,840,495:45:0	
98	0	363	08:25:32.533	117GB105A106A4H	7STRP	0.050042,-0.0103	Slew =12.01	4O0	4	0	5,840,495:46:0	
99	0	363	08:25:33.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *3675.44 +/-	4O0	4	0	5,840,495:46:8	
100	0	363	08:25:34.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3675.56 +/-	4O0	4	0	5,840,495:48:9	
101	0	363	08:25:34.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3675.56 +/-	4O0	4	0	5,840,495:48:9	
102	0	363	08:25:34.533	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	5,840,495:49:0	
103	0	363	08:25:46.533	117GB105A106A4I	7STRP	-0.049039,0.01,0	Slew =,1.61	4O0	4	0	5,840,495:67:0	
104	0	363	08:26:29.200	117GB105A106A4J	7STRP	0.050042,-0.0103	Slew =12.01	4O0	4	0	5,840,496:40:0	
105	0	363	08:26:43.200	117GB105A106A4K	7STRP	-0.049039,0.01,0	Slew =,1.61	4O0	4	0	5,840,496:61:0	
106	0	363	08:27:25.866	117GB105A106B4A	7STRP	-0.266022,0.2573	Slew =12.01	4O0	4	0	5,840,497:34:0	
107	0	363	08:28:02.533	117GB105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.61	4O0	4	0	5,840,497:89:0	
108	0	363	08:29:02.533	117GB11A	**CSMOS**	GE	***** GROUP END CSMOS	4O0	4	0	5,840,498:88:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
109	0	363	08:29:08.533	428JB6A	6RCCLR			4O0	4	0	5,840,499:06:0
110	0	363	08:29:37.866	165GC4A	7SCAN	NORM,56.622,-39.	Check S/P Position	4O0	4	0	5,840,499:50:0
111	0	363	08:31:57.200	117GC	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	5,840,501:77:0
112	0	363	08:32:05.200	165GC4B	7VECT		Inert vect update UTC	4O0	4	0	5,840,501:89:0
113	0	363	08:32:06.533	117GC105A106A4A	7STRP	-0.004,0.015001,	Slew =,2.01	4O0	4	0	5,840,502:00:0
114	0	363	08:32:24.533	117GC105A106A4B	7STRP	0.003,-0.014751,	Slew =12.01	4O0	4	0	5,840,502:27:0
115	0	363	08:32:40.533	117GC105A106A4C	7STRP	-0.004,0.015001,	Slew =,2.01	4O0	4	0	5,840,502:51:0
116	0	363	08:32:58.533	117GC105A106A4D	7STRP	0.003,-0.014751,	Slew =12.01	4O0	4	0	5,840,502:78:0
117	0	363	08:33:14.533	117GC105A106A4E	7STRP	-0.004,0.015001,	Slew =,2.01	4O0	4	0	5,840,503:11:0
118	0	363	08:33:32.533	117GC105A106A4F	7STRP	0.003,-0.014751,	Slew =12.01	4O0	4	0	5,840,503:38:0
119	0	363	08:33:48.533	117GC105A106A4G	7STRP	-0.004,0.015001,	Slew =,2.01	4O0	4	0	5,840,503:62:0
120	0	363	08:34:06.533	117GC105A106A4H	7STRP	0.003,-0.014751,	Slew =12.01	4O0	4	0	5,840,503:89:0
121	0	363	08:34:22.533	117GC105A106A4I	7STRP	-0.004,0.015001,	Slew =,2.01	4O0	4	0	5,840,504:22:0
122	0	363	08:34:40.533	117GC105A106A4J	7STRP	0.003,-0.014751,	Slew =12.01	4O0	4	0	5,840,504:49:0
123	0	363	08:34:56.533	117GC105A106A4K	7STRP	-0.004,0.015001,	Slew =,2.01	4O0	4	0	5,840,504:73:0
124	0	363	08:35:14.533	117GC105A106A4L	7STRP	0.003,-0.014751,	Slew =12.01	4O0	4	0	5,840,505:09:0
125	0	363	08:35:30.533	117GC105A106A4M	7STRP	-0.004,0.015001,	Slew =,2.01	4O0	4	0	5,840,505:33:0
126	0	363	08:35:48.533	117GC105A106A4N	7STRP	0.003,-0.014751,	Slew =12.01	4O0	4	0	5,840,505:60:0
127	0	363	08:36:04.533	117GC105A106A4O	7STRP	-0.004,0.015001,	Slew =,2.01	4O0	4	0	5,840,505:84:0
128	0	363	08:36:22.533	117GC105A106A4P	7STRP	0.003,-0.014751,	Slew =12.01	4O0	4	0	5,840,506:20:0
129	0	363	08:36:38.533	117GC105A106A4Q	7STRP	-0.004,0.015001,	Slew =,2.01	4O0	4	0	5,840,506:44:0
130	0	363	08:36:56.533	117GC105A106A4R	7STRP	0.003,-0.014751,	Slew =12.01	4O0	4	0	5,840,506:71:0
131	0	363	08:37:12.533	117GC105A106A4S	7STRP	-0.004,0.015001,	Slew =,2.01	4O0	4	0	5,840,507:04:0
132	0	363	08:37:30.533	117GC105A106A4T	7STRP	0.003,-0.014751,	Slew =12.01	4O0	4	0	5,840,507:31:0
133	0	363	08:37:46.533	117GC105A106A4U	7STRP	-0.004,0.015001,	Slew =,2.01	4O0	4	0	5,840,507:55:0
134	0	363	08:38:04.533	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	4O0	4	0	5,840,507:82:0
135	0	363	08:39:10.533	165GD4A	7SCAN	NORM,51.771,-4.7	Check S/P Position	4O0	4	0	5,840,508:90:0
136	0	363	08:41:03.200	117GD	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	5,840,510:77:0
137	0	363	08:41:11.200	165GD4B	7VECT		Inert vect update UTC	4O0	4	0	5,840,510:89:0
138	0	363	08:41:12.533	117GD105A106A4A	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,511:00:0
139	0	363	08:41:33.200	117GD105A106A4B	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,511:31:0
140	0	363	08:41:47.866	117GD105A106A4C	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,511:53:0
141	0	363	08:42:08.533	117GD105A106A4D	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,511:84:0
142	0	363	08:42:23.200	117GD105A106A4E	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,512:15:0
143	0	363	08:42:43.866	117GD105A106A4F	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,512:46:0
144	0	363	08:42:58.533	117GD105A106A4G	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,512:68:0
145	0	363	08:43:19.200	117GD105A106A4H	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,513:08:0
146	0	363	08:43:33.866	117GD105A106A4I	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,513:30:0
147	0	363	08:43:54.533	117GD105A106A4J	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,513:61:0
148	0	363	08:44:09.200	117GD105A106A4K	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,513:83:0
149	0	363	08:44:29.866	117GD105A106A4L	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,514:23:0
150	0	363	08:44:44.533	117GD105A106A4M	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,514:45:0
151	0	363	08:45:05.200	117GD105A106A4N	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,514:76:0
152	0	363	08:45:19.866	117GD105A106A4O	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,515:07:0
153	0	363	08:45:40.533	117GD105A106A4P	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,515:38:0
154	0	363	08:45:55.200	117GD105A106A4Q	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,515:60:0
155	0	363	08:46:15.866	117GD105A106A4R	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,516:00:0
156	0	363	08:46:30.533	117GD105A106A4S	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,516:22:0
157	0	363	08:46:51.200	117GD105A106A4T	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,516:53:0
158	0	363	08:47:05.866	117GD105A106A4U	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,516:75:0
159	0	363	08:47:26.533	117GD105A106A4V	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,517:15:0
160	0	363	08:47:41.200	117GD105A106A4W	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,517:37:0
161	0	363	08:48:01.866	117GD105A106A4X	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,517:68:0
162	0	363	08:48:16.533	117GD105A106A4Y	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,517:90:0
163	0	363	08:48:37.200	117GD105A106A4Z	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,518:30:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	0	363	08:48:51.866	117GD105A106A4AA	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,518:52:0	
165	0	363	08:49:12.533	117GD105A106A4AB	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,518:83:0	
166	0	363	08:49:27.200	117GD105A106A4AC	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,519:14:0	
167	0	363	08:49:47.866	117GD105A106A4AD	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,519:45:0	
168	0	363	08:50:02.533	117GD105A106A4AE	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,519:67:0	
169	0	363	08:50:23.200	117GD105A106A4AF	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,520:07:0	
170	0	363	08:50:37.866	117GD105A106A4AG	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,520:29:0	
171	0	363	08:50:58.533	117GD105A106A4AH	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,520:60:0	
172	0	363	08:51:13.200	117GD105A106A4AI	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,520:82:0	
173	0	363	08:51:33.866	117GD105A106A4AJ	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,521:22:0	
174	0	363	08:51:48.533	117GD105A106A4AK	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,521:44:0	
175	0	363	08:52:09.200	117GD105A106A4AL	7STRP	0.024955,0.0065,	Slew =12.01	4O0	4	0	5,840,521:75:0	
176	0	363	08:52:23.866	117GD105A106A4AM	7STRP	-0.025005,-0.005	Slew =,1.61	4O0	4	0	5,840,522:06:0	
177	0	363	08:52:44.533	117GD105A106B4A	7STRP	-0.080171,0.0683	Slew =12.01	4O0	4	0	5,840,522:37:0	
178	0	363	08:53:13.866	117GD105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.61	4O0	4	0	5,840,522:81:0	
179	0	363	08:54:14.533	117GD11A	**CSMOS**	GE	***** GROUP END CSMOS	4O0	4	0	5,840,523:81:0	
180	0	363	08:55:21.200	165GE4A	7SCAN	NORM,65.587,14.6	Check S/P Position	4O0	4	0	5,840,524:90:0	
181	0	363	08:55:23.866	432OC431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,840,525:03:0	
182	0	363	08:55:23.866	175TB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	5,840,525:03:0	
183	0	363	08:55:23.866		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4094.95 +/-	4O0	4	0	5,840,525:03:0	
184	0	363	08:55:24.533	432OC6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,840,525:04:0	
185	0	363	08:55:25.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4095.01 +/-	4O0	4	0	5,840,525:04:8	
186	0	363	08:55:27.866	282NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	5,840,525:09:0	
187	0	363	08:55:31.866	176GE6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4O0	4	0	5,840,525:15:0	
188	0	363	08:56:16.533	282NB432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	5,840,525:82:0	
189	0	363	08:56:17.200	282NB432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,840,525:83:0	
190	0	363	08:57:13.866	117GE	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	5,840,526:77:0	
191	0	363	08:57:21.866	165GE4B	7VECT		Inert vect update UTC	4O0	4	0	5,840,526:89:0	
192	0	363	08:57:23.200	117GE105A106A4A	7STRP	-0.041023,0.0281	Slew =,3.41	4O0	4	0	5,840,527:00:0	
193	0	363	08:57:58.533	117GE105A106A4B	7STRP	0.042025,-0.0266	Slew =12.01	4O0	4	0	5,840,527:53:0	
194	0	363	08:58:18.533	117GE105A106A4C	7STRP	-0.041023,0.0281	Slew =,3.41	4O0	4	0	5,840,527:83:0	
195	0	363	08:58:53.866	117GE105A106A4D	7STRP	0.042025,-0.0266	Slew =12.01	4O0	4	0	5,840,528:45:0	
196	0	363	08:59:13.866	117GE105A106A4E	7STRP	-0.041023,0.0281	Slew =,3.41	4O0	4	0	5,840,528:75:0	
197	0	363	08:59:49.200	117GE105A106A4F	7STRP	0.042025,-0.0266	Slew =12.01	4O0	4	0	5,840,529:37:0	
198	0	363	09:00:09.200	117GE105A106A4G	7STRP	-0.041023,0.0281	Slew =,3.41	4O0	4	0	5,840,529:67:0	
199	0	363	09:00:44.533	117GE105A106A4H	7STRP	0.042025,-0.0266	Slew =12.01	4O0	4	0	5,840,530:29:0	
200	0	363	09:01:04.533	117GE105A106A4I	7STRP	-0.041023,0.0281	Slew =,3.41	4O0	4	0	5,840,530:59:0	
201	0	363	09:01:39.866	117GE105A106A4J	7STRP	0.042025,-0.0266	Slew =12.01	4O0	4	0	5,840,531:21:0	
202	0	363	09:01:59.866	117GE105A106A4K	7STRP	-0.041023,0.0281	Slew =,3.41	4O0	4	0	5,840,531:51:0	
203	0	363	09:02:35.200	117GE105A106A4L	7STRP	0.042025,-0.0266	Slew =12.01	4O0	4	0	5,840,532:13:0	
204	0	363	09:02:55.200	117GE105A106A4M	7STRP	-0.041023,0.0281	Slew =,3.41	4O0	4	0	5,840,532:43:0	
205	**0**	**363**	**09:03:07.000**	**29NNRELOAD01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
206	**0**	**363**	**09:03:07.200**	**20FZ5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,840,532:61:0**	
207	**0**	**363**	**09:03:10.533**	**20FZ5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,840,532:66:0**	
208	**0**	**363**	**09:03:13.866**	**20FZ6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,840,532:71:0**	
209	**0**	**363**	**09:03:23.866**	**20FZ6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,840,532:86:0**	
210	0	363	09:03:30.533	117GE105A106A4N	7STRP	0.042025,-0.0266	Slew =12.01		4	0	5,840,533:05:0	
211	**0**	**363**	**09:03:37.866**	**20FZ5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,840,533:16:0**	
212	**0**	**363**	**09:03:41.200**	**20FZ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,840,533:21:0**	
213	0	363	09:03:50.533	117GE105A106A4O	7STRP	-0.041023,0.0281	Slew =,3.41	260	4	0	5,840,533:35:0	
214	**0**	**363**	**09:04:21.200**	**20FZ4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**5,840,533:81:0**	
215	0	363	09:04:25.866	117GE105A106A4P	7STRP	0.042025,-0.0266	Slew =12.01	2R0	4	0	5,840,533:88:0	
216	0	363	09:04:45.866	117GE105A106A4Q	7STRP	-0.041023,0.0281	Slew =,3.41	2R0	4	0	5,840,534:27:0	
217	0	363	09:05:21.200	117GE105A106A4R	7STRP	0.042025,-0.0266	Slew =12.01	2R0	4	0	5,840,534:80:0	
218	0	363	09:05:23.866	127FZ	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,840,534:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
219	**0**	**363**	**09:05:23.866**	**127FZ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,840,534:84:0**
220	**0**	**363**	**09:05:24.533**	**127FZ4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,840,534:85:0**
221	**0**	**363**	**09:05:25.000**	**29NNRELOAD01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
222	0	363	09:05:32.533	127FZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,840,535:06:0
223	0	363	09:05:41.200	117GE105A106A4S	7STRP	-0.041023,0.0281	Slew =,3.41	2R3	4	0	5,840,535:19:0
224	0	363	09:06:16.533	117GE105A106A4T	7STRP	0.042025,-0.0266	Slew =12.01	2R3	4	0	5,840,535:72:0
225	0	363	09:06:36.533	117GE105A106A4U	7STRP	-0.041023,0.0281	Slew =,3.41	2R3	4	0	5,840,536:11:0
226	0	363	09:07:11.866	117GE105A106A4V	7STRP	0.042025,-0.0266	Slew =12.01	2R3	4	0	5,840,536:64:0
227	0	363	09:07:31.866	117GE105A106A4W	7STRP	-0.041023,0.0281	Slew =,3.41	2R3	4	0	5,840,537:03:0
228	0	363	09:08:06.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4095.01 +/-	2R3	4	0	5,840,537:55:0
229	0	363	09:08:06.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,840,537:55:0
230	0	363	09:08:07.200	117GE105A106A4X	7STRP	0.042025,-0.0266	Slew =12.01	2R3	4	0	5,840,537:56:0
231	0	363	09:08:13.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4095.01 +/-	2R3	4	0	5,840,537:65:0
232	0	363	09:08:14.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *4095.13 +/-	2R3	4	0	5,840,537:67:1
233	0	363	09:08:27.200	117GE105A106A4Y	7STRP	-0.041023,0.0281	Slew =,3.41	2R3	4	0	5,840,537:86:0
234	0	363	09:08:31.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4099.18 +/-	2R3	4	0	5,840,538:02:0
235	0	363	09:08:54.533		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4104.49 +/-	2R3	4	0	5,840,538:36:0
236	0	363	09:08:54.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,538:36:0
237	0	363	09:08:55.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4104.55 +/-	2R3	4	0	5,840,538:37:8
238	0	363	09:09:02.533	117GE105A106A4Z	7STRP	0.042025,-0.0266	Slew =12.01	2R3	4	0	5,840,538:48:0
239	0	363	09:09:22.533	117GE105A106A4AA	7STRP	-0.041023,0.0281	Slew =,3.41	2R3	4	0	5,840,538:78:0
240	0	363	09:09:57.866	117GE105A106A4AB	7STRP	0.042025,-0.0266	Slew =12.01	2R3	4	0	5,840,539:40:0
241	0	363	09:10:17.866	117GE105A106A4AC	7STRP	-0.041023,0.0281	Slew =,3.41	2R3	4	0	5,840,539:70:0
242	0	363	09:10:53.200	117GE105A106A4AD	7STRP	0.042025,-0.0266	Slew =12.01	2R3	4	0	5,840,540:32:0
243	0	363	09:11:13.200	117GE105A106A4AE	7STRP	-0.041023,0.0281	Slew =,3.41	2R3	4	0	5,840,540:62:0
244	0	363	09:11:48.533	117GE105A106A4AF	7STRP	0.042025,-0.0266	Slew =12.01	2R3	4	0	5,840,541:24:0
245	0	363	09:12:08.533	117GE105A106A4AG	7STRP	-0.041023,0.0281	Slew =,3.41	2R3	4	0	5,840,541:54:0
246	0	363	09:12:43.866	117GE105A106A4AH	7STRP	0.042025,-0.0266	Slew =12.01	2R3	4	0	5,840,542:16:0
247	0	363	09:13:03.866	117GE105A106A4AI	7STRP	-0.041023,0.0281	Slew =,3.41	2R3	4	0	5,840,542:46:0
248	0	363	09:13:39.200	117GE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,840,543:08:0
249	0	363	09:14:41.200	165IA4A	7SCAN	NORM,61.46,21.52	Check S/P Position	2R3	4	0	5,840,544:10:0
250	0	363	09:15:14.533	176GE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,840,544:60:0
251	0	363	09:15:16.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,840,544:63:0
252	0	363	09:15:16.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4104.55 +/-	2R3	4	0	5,840,544:63:0
253	0	363	09:15:23.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4104.55 +/-	2R3	4	0	5,840,544:73:0
254	0	363	09:15:24.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *4104.67 +/-	2R3	4	0	5,840,544:75:1
255	0	363	09:15:26.533		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4105.12 +/-	2R3	4	0	5,840,544:78:0
256	0	363	09:15:42.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,545:11:0
257	0	363	09:15:42.533		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4108.87 +/-	2R3	4	0	5,840,545:11:0
258	0	363	09:15:43.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4108.93 +/-	2R3	4	0	5,840,545:12:8
259	0	363	09:16:34.533	165IA4B	7VECT		Inert vect update UTC	2R3	4	0	5,840,545:89:0
260	0	363	09:18:29.866	175IA422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,547:80:0
261	0	363	09:18:29.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4108.93 +/-	2R3	4	0	5,840,547:80:0
262	0	363	09:18:31.200	118QA	**SMOS**	GS		2R3	4	0	5,840,547:82:0
263	0	363	09:18:36.533		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4108.93 +/-	2R3	4	0	5,840,547:90:0
264	0	363	09:18:39.866	175IA176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,548:04:0
265	0	363	09:18:40.533		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4115.23 +/-	2R3	4	0	5,840,548:05:0
266	0	363	09:18:40.533		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4115.23 +/-	2R3	4	0	5,840,548:05:0
267	0	363	09:18:41.200	118QA110A111A4A	7STRP	-0.0044,0.006805	Slew =2,8.4	2R3	4	0	5,840,548:06:0
268	0	363	09:18:51.866	118QA11A	**SMOS**	GE		2R3	4	0	5,840,548:22:0
269	0	363	09:19:07.866	175IA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,548:46:0
270	0	363	09:19:07.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4211.33 +/-	2R3	4	0	5,840,548:46:0
271	0	363	09:19:09.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4212.33 +/-	2R3	4	0	5,840,548:47:8
272	0	363	09:20:42.533	118IA	**SMOS**	GS		2R3	4	0	5,840,550:06:0
273	0	363	09:21:01.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4212.33 +/-	2R3	4	0	5,840,550:35:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
274	0	363	09:21:01.866	175JA422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,550:35:0
275	0	363	09:21:08.533		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4212.33 +/-	2R3	4	0	5,840,550:45:0
276	0	363	09:21:11.866	175JA176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,550:50:0
277	0	363	09:21:12.533		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4218.63 +/-	2R3	4	0	5,840,550:51:0
278	0	363	09:21:12.533		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4218.63 +/-	2R3	4	0	5,840,550:51:0
279	0	363	09:21:35.200	118IA110A111A4A	7STRP	-0.0044,0.006805	Slew =,8.11	2R3	4	0	5,840,550:85:0
280	0	363	09:21:39.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4314.72 +/-	2R3	4	0	5,840,551:01:0
281	0	363	09:21:39.866	175JA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,551:01:0
282	0	363	09:21:41.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4315.72 +/-	2R3	4	0	5,840,551:02:8
283	0	363	09:22:02.533	175JB422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,551:35:0
284	0	363	09:22:02.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4315.72 +/-	2R3	4	0	5,840,551:35:0
285	0	363	09:22:09.200		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4315.72 +/-	2R3	4	0	5,840,551:45:0
286	0	363	09:22:12.533	175JB176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,551:50:0
287	0	363	09:22:13.200		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4322.02 +/-	2R3	4	0	5,840,551:51:0
288	0	363	09:22:13.200		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4322.02 +/-	2R3	4	0	5,840,551:51:0
289	0	363	09:22:40.533	175JB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,552:01:0
290	0	363	09:22:40.533		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4418.12 +/-	2R3	4	0	5,840,552:01:0
291	0	363	09:22:41.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4419.12 +/-	2R3	4	0	5,840,552:02:8
292	0	363	09:23:03.200	175JC422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,552:35:0
293	0	363	09:23:03.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4419.12 +/-	2R3	4	0	5,840,552:35:0
294	0	363	09:23:09.866		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4419.12 +/-	2R3	4	0	5,840,552:45:0
295	0	363	09:23:13.200	175JC176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,552:50:0
296	0	363	09:23:13.866		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4425.42 +/-	2R3	4	0	5,840,552:51:0
297	0	363	09:23:13.866		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4425.42 +/-	2R3	4	0	5,840,552:51:0
298	0	363	09:23:41.200		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4521.51 +/-	2R3	4	0	5,840,553:01:0
299	0	363	09:23:41.200	175JC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,553:01:0
300	0	363	09:23:42.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4522.51 +/-	2R3	4	0	5,840,553:02:8
301	0	363	09:24:03.866	175JV422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,553:35:0
302	0	363	09:24:03.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4522.51 +/-	2R3	4	0	5,840,553:35:0
303	0	363	09:24:10.533		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4522.51 +/-	2R3	4	0	5,840,553:45:0
304	0	363	09:24:13.866	175JV176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,553:50:0
305	0	363	09:24:14.533		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4528.81 +/-	2R3	4	0	5,840,553:51:0
306	0	363	09:24:14.533		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4528.81 +/-	2R3	4	0	5,840,553:51:0
307	0	363	09:24:41.866	175JV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,554:01:0
308	0	363	09:24:41.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4624.90 +/-	2R3	4	0	5,840,554:01:0
309	0	363	09:24:43.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4625.90 +/-	2R3	4	0	5,840,554:02:8
310	0	363	09:25:04.533	175JW422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,554:35:0
311	0	363	09:25:04.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4625.90 +/-	2R3	4	0	5,840,554:35:0
312	0	363	09:25:11.200		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4625.90 +/-	2R3	4	0	5,840,554:45:0
313	0	363	09:25:14.533	175JW176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,554:50:0
314	0	363	09:25:15.200		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4632.20 +/-	2R3	4	0	5,840,554:51:0
315	0	363	09:25:15.200		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4632.20 +/-	2R3	4	0	5,840,554:51:0
316	0	363	09:25:42.533		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4728.30 +/-	2R3	4	0	5,840,555:01:0
317	0	363	09:25:42.533	175JW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,555:01:0
318	0	363	09:25:43.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4729.30 +/-	2R3	4	0	5,840,555:02:8
319	0	363	09:26:05.200	175JX422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,555:35:0
320	0	363	09:26:05.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4729.30 +/-	2R3	4	0	5,840,555:35:0
321	0	363	09:26:11.866		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4729.30 +/-	2R3	4	0	5,840,555:45:0
322	0	363	09:26:15.200	175JX176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,555:50:0
323	0	363	09:26:15.866		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4735.60 +/-	2R3	4	0	5,840,555:51:0
324	0	363	09:26:15.866		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4735.60 +/-	2R3	4	0	5,840,555:51:0
325	0	363	09:26:43.200	175JX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,556:01:0
326	0	363	09:26:43.200		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4831.69 +/-	2R3	4	0	5,840,556:01:0
327	0	363	09:26:44.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4832.69 +/-	2R3	4	0	5,840,556:02:8
328	0	363	09:27:05.866	175JY422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,556:35:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	0	363	09:27:05.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4832.69 +/-	2R3	4	0	5,840,556:35:0	
330	0	363	09:27:12.533		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4832.69 +/-	2R3	4	0	5,840,556:45:0	
331	0	363	09:27:15.866	175JY176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,556:50:0	
332	0	363	09:27:16.533		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4838.99 +/-	2R3	4	0	5,840,556:51:0	
333	0	363	09:27:16.533		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4838.99 +/-	2R3	4	0	5,840,556:51:0	
334	0	363	09:27:43.866	175JY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,557:01:0	
335	0	363	09:27:43.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4935.08 +/-	2R3	4	0	5,840,557:01:0	
336	0	363	09:27:45.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4936.08 +/-	2R3	4	0	5,840,557:02:8	
337	0	363	09:28:06.533	175JE422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,557:35:0	
338	0	363	09:28:06.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4936.08 +/-	2R3	4	0	5,840,557:35:0	
339	0	363	09:28:13.200		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4936.08 +/-	2R3	4	0	5,840,557:45:0	
340	0	363	09:28:16.533	175JE176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,557:50:0	
341	0	363	09:28:17.200		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4942.38 +/-	2R3	4	0	5,840,557:51:0	
342	0	363	09:28:17.200		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4942.38 +/-	2R3	4	0	5,840,557:51:0	
343	0	363	09:28:44.533		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5038.48 +/-	2R3	4	0	5,840,558:01:0	
344	0	363	09:28:44.533	175JE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,558:01:0	
345	0	363	09:28:45.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5039.48 +/-	2R3	4	0	5,840,558:02:8	
346	0	363	09:28:47.866	118JA	**SMOS**	GS		2R3	4	0	5,840,558:06:0	
347	0	363	09:29:07.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5039.48 +/-	2R3	4	0	5,840,558:35:0	
348	0	363	09:29:07.200	175JR422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,558:35:0	
349	0	363	09:29:08.533	118IA11A	**SMOS**	GE		2R3	4	0	5,840,558:37:0	
350	0	363	09:29:13.866		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5039.48 +/-	2R3	4	0	5,840,558:45:0	
351	0	363	09:29:17.200	175JR176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,558:50:0	
352	0	363	09:29:17.866		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5045.78 +/-	2R3	4	0	5,840,558:51:0	
353	0	363	09:29:17.866		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5045.78 +/-	2R3	4	0	5,840,558:51:0	
354	0	363	09:29:40.533	118JA110A111A4A	7STRP	0.008,0.0027,168	Slew =,8.11	2R3	4	0	5,840,558:85:0	
355	0	363	09:29:45.200	175JR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,559:01:0	
356	0	363	09:29:45.200		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5141.87 +/-	2R3	4	0	5,840,559:01:0	
357	0	363	09:29:46.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5142.87 +/-	2R3	4	0	5,840,559:02:8	
358	0	363	09:30:07.866	175JS422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,559:35:0	
359	0	363	09:30:07.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5142.87 +/-	2R3	4	0	5,840,559:35:0	
360	0	363	09:30:14.533		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5142.87 +/-	2R3	4	0	5,840,559:45:0	
361	0	363	09:30:17.866	175JS176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,559:50:0	
362	0	363	09:30:18.533		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5149.17 +/-	2R3	4	0	5,840,559:51:0	
363	0	363	09:30:18.533		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5149.17 +/-	2R3	4	0	5,840,559:51:0	
364	0	363	09:30:45.866	175JS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,560:01:0	
365	0	363	09:30:45.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5245.27 +/-	2R3	4	0	5,840,560:01:0	
366	0	363	09:30:47.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5246.27 +/-	2R3	4	0	5,840,560:02:8	
367	0	363	09:31:08.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5246.27 +/-	2R3	4	0	5,840,560:35:0	
368	0	363	09:31:08.533	175JF422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,560:35:0	
369	0	363	09:31:15.200		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5246.27 +/-	2R3	4	0	5,840,560:45:0	
370	0	363	09:31:18.533	175JF176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,560:50:0	
371	0	363	09:31:19.200		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5252.57 +/-	2R3	4	0	5,840,560:51:0	
372	0	363	09:31:19.200		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5252.57 +/-	2R3	4	0	5,840,560:51:0	
373	0	363	09:31:46.533		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5348.66 +/-	2R3	4	0	5,840,561:01:0	
374	0	363	09:31:46.533	175JF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,561:01:0	
375	0	363	09:31:47.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5349.66 +/-	2R3	4	0	5,840,561:02:8	
376	0	363	09:32:09.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5349.66 +/-	2R3	4	0	5,840,561:35:0	
377	0	363	09:32:09.200	175JT422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,561:35:0	
378	0	363	09:32:15.866		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5349.66 +/-	2R3	4	0	5,840,561:45:0	
379	0	363	09:32:19.200	175JT176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,561:50:0	
380	0	363	09:32:19.866		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5355.96 +/- 1	2R3	4	0	5,840,561:51:0	
381	0	363	09:32:19.866		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5355.96 +/-	2R3	4	0	5,840,561:51:0	
382	0	363	09:32:47.200		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5452.05 +/- 1	2R3	4	0	5,840,562:01:0	
383	0	363	09:32:47.200	175JT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,562:01:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	0	363	09:32:48.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5453.05 +/- 1	2R3	4	0	5,840,562:02:8	
385	0	363	09:33:09.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5453.05 +/- 1	2R3	4	0	5,840,562:35:0	
386	0	363	09:33:09.866	175JU422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,562:35:0	
387	0	363	09:33:16.533		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5453.05 +/- 1	2R3	4	0	5,840,562:45:0	
388	0	363	09:33:19.866	175JU176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,562:50:0	
389	0	363	09:33:20.533		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5459.35 +/- 1	2R3	4	0	5,840,562:51:0	
390	0	363	09:33:20.533		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5459.35 +/- 1	2R3	4	0	5,840,562:51:0	
391	0	363	09:33:47.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5555.45 +/- 1	2R3	4	0	5,840,563:01:0	
392	0	363	09:33:47.866	175JU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,563:01:0	
393	0	363	09:33:49.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5556.45 +/- 1	2R3	4	0	5,840,563:02:8	
394	0	363	09:34:10.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5556.45 +/- 1	2R3	4	0	5,840,563:35:0	
395	0	363	09:34:10.533	175QC422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,563:35:0	
396	0	363	09:34:17.200		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5556.45 +/- 1	2R3	4	0	5,840,563:45:0	
397	0	363	09:34:20.533	175QC176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,563:50:0	
398	0	363	09:34:21.200		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5562.75 +/- 1	2R3	4	0	5,840,563:51:0	
399	0	363	09:34:21.200		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5562.75 +/- 1	2R3	4	0	5,840,563:51:0	
400	0	363	09:34:48.533	175QC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,564:01:0	
401	0	363	09:34:48.533		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5658.84 +/- 1	2R3	4	0	5,840,564:01:0	
402	0	363	09:34:49.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5659.84 +/- 1	2R3	4	0	5,840,564:02:8	
403	0	363	09:35:11.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5659.84 +/- 1	2R3	4	0	5,840,564:35:0	
404	0	363	09:35:11.200	175QE422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,564:35:0	
405	0	363	09:35:17.866		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5659.84 +/- 1	2R3	4	0	5,840,564:45:0	
406	0	363	09:35:21.200	175QE176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,564:50:0	
407	0	363	09:35:21.866		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5666.14 +/- 1	2R3	4	0	5,840,564:51:0	
408	0	363	09:35:21.866		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5666.14 +/- 1	2R3	4	0	5,840,564:51:0	
409	0	363	09:35:49.200		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5762.23 +/- 1	2R3	4	0	5,840,565:01:0	
410	0	363	09:35:49.200	175QE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,565:01:0	
411	0	363	09:35:50.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5763.23 +/- 1	2R3	4	0	5,840,565:02:8	
412	0	363	09:36:12.533	118JA11A	**SMOS**	GE		2R3	4	0	5,840,565:36:0	
413	0	363	09:37:42.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5763.23 +/- 1	2R3	4	0	5,840,566:80:0	
414	0	363	09:37:42.533	175QF422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,566:80:0	
415	0	363	09:37:49.200		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5763.23 +/- 1	2R3	4	0	5,840,566:90:0	
416	0	363	09:37:52.533	175QF176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,567:04:0	
417	0	363	09:37:53.200		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5769.53 +/- 1	2R3	4	0	5,840,567:05:0	
418	0	363	09:37:53.200		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5769.53 +/- 1	2R3	4	0	5,840,567:05:0	
419	0	363	09:37:53.866	118QB	**SMOS**	GS		2R3	4	0	5,840,567:06:0	
420	0	363	09:38:15.866	118QB110A111A4A	7STRP	0.008,0.0027,32,	Slew =2,8.3	2R3	4	0	5,840,567:39:0	
421	0	363	09:38:20.533	175QF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,567:46:0	
422	0	363	09:38:20.533		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5865.63 +/- 1	2R3	4	0	5,840,567:46:0	
423	0	363	09:38:21.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5866.63 +/- 1	2R3	4	0	5,840,567:47:8	
424	0	363	09:38:26.533	118QB11A	**SMOS**	GE		2R3	4	0	5,840,567:55:0	
425	0	363	09:40:14.533	175QK422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	5,840,569:35:0	
426	0	363	09:40:14.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5866.63 +/- 1	2R3	4	0	5,840,569:35:0	
427	0	363	09:40:21.200		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5866.63 +/- 1	2R3	4	0	5,840,569:45:0	
428	0	363	09:40:24.533	175QK176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,569:50:0	
429	0	363	09:40:25.200		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5872.93 +/- 1	2R3	4	0	5,840,569:51:0	
430	0	363	09:40:25.200		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5872.93 +/- 1	2R3	4	0	5,840,569:51:0	
431	0	363	09:40:52.533		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5969.02 +/- 1	2R3	4	0	5,840,570:01:0	
432	0	363	09:40:52.533	175QK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,570:01:0	
433	0	363	09:40:53.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5970.02 +/- 1	2R3	4	0	5,840,570:02:8	
434	0	363	09:42:53.200		DMS:	: READY	RDY, TRACK *2, *REV, TIC 5970.02 +/- 1	2R3	4	0	5,840,572:00:0	
435	0	363	09:42:53.200	465KB6A	6DMSC	RDY,2	DMS Control Tape stop	2R3	4	0	5,840,572:00:0	
436	0	363	09:44:53.866	165GU4A	7SCAN	NORM,61.146,19.7	Check S/P Position	2R3	4	0	5,840,573:90:0	
437	0	363	09:44:54.533	176GU6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,840,574:00:0	
438	0	363	09:46:46.533	117GU	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,840,575:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
439	0	363	09:46:55.866	117GU105A106A4A	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,576:00:0
440	0	363	09:47:16.533	117GU105A106A4B	7STRP	0.019002,0.02287	Slew =12.01	2R3	4	0	5,840,576:31:0
441	0	363	09:47:37.200	117GU105A106A4C	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,576:62:0
442	0	363	09:47:57.866	117GU105A106A4D	7STRP	0.019002,0.02287	Slew =12.01	2R3	4	0	5,840,577:02:0
443	0	363	09:48:18.533	117GU105A106A4E	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,577:33:0
444	0	363	09:48:39.200	117GU105A106A4F	7STRP	0.019002,0.02287	Slew =12.01	2R3	4	0	5,840,577:64:0
445	0	363	09:48:59.866	117GU105A106A4G	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,578:04:0
446	0	363	09:49:20.533	117GU105A106A4H	7STRP	0.019002,0.02287	Slew =12.01	2R3	4	0	5,840,578:35:0
447	0	363	09:49:41.200	117GU105A106A4I	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,578:66:0
448	0	363	09:50:01.866	117GU105A106A4J	7STRP	0.019002,0.02287	Slew =12.01	2R3	4	0	5,840,579:06:0
449	0	363	09:50:22.533	117GU105A106A4K	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,579:37:0
450	0	363	09:50:43.200	117GU105A106A4L	7STRP	0.019002,0.02287	Slew =12.01	2R3	4	0	5,840,579:68:0
451	0	363	09:51:03.866	117GU105A106A4M	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,580:08:0
452	0	363	09:51:24.533	117GU105A106A4N	7STRP	0.019002,0.02287	Slew =12.01	2R3	4	0	5,840,580:39:0
453	0	363	09:51:45.200	117GU105A106A4O	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,580:70:0
454	0	363	09:52:05.866	117GU105A106A4P	7STRP	0.019002,0.02287	Slew =12.01	2R3	4	0	5,840,581:10:0
455	0	363	09:52:26.533	117GU105A106A4Q	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,581:41:0
456	0	363	09:52:47.200	117GU105A106A4R	7STRP	0.019002,0.02287	Slew =12.01	2R3	4	0	5,840,581:72:0
457	0	363	09:53:07.866	117GU105A106A4S	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,582:12:0
458	0	363	09:53:28.533	117GU105A106A4T	7STRP	0.019002,0.02287	Slew =12.01	2R3	4	0	5,840,582:43:0
459	0	363	09:53:49.200	117GU105A106A4U	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,582:74:0
460	0	363	09:54:09.866	117GU105A106A4V	7STRP	0.019002,0.02287	Slew =12.01	2R3	4	0	5,840,583:14:0
461	0	363	09:54:30.533	117GU105A106A4W	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,583:45:0
462	0	363	09:54:51.200	117GU105A106A4X	7STRP	0.019002,0.02287	Slew =12.01	2R3	4	0	5,840,583:76:0
463	0	363	09:55:11.866	117GU105A106A4Y	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,584:16:0
464	0	363	09:55:32.533	117GU105A106A4Z	7STRP	0.019002,0.02287	Slew =12.01	2R3	4	0	5,840,584:47:0
465	0	363	09:55:53.200	117GU105A106A4AA	7STRP	-0.020603,-0.022	Slew =,8.61	2R3	4	0	5,840,584:78:0
466	0	363	09:56:13.866	117GU105A106B4A	7STRP	0.027707,0.01775	Slew =12.01	2R3	4	0	5,840,585:18:0
467	0	363	09:56:36.533	117GU105A106B4B	7STRP	-0.023104,-0.024	Slew =,8.61	2R3	4	0	5,840,585:52:0
468	0	363	09:56:59.200	117GU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,840,585:86:0
469	0	363	09:57:29.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,840,586:40:0
470	0	363	09:57:29.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5970.02 +/- 1	2R3	4	0	5,840,586:40:0
471	0	363	09:57:30.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5970.14 +/- 1	2R3	4	0	5,840,586:42:1
472	0	363	09:57:32.533	176GU6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,840,586:45:0
473	0	363	09:57:35.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5971.38 +/- 1	2R3	4	0	5,840,586:50:0
474	0	363	09:57:37.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5971.44 +/- 1	2R3	4	0	5,840,586:51:8
475	0	363	09:57:38.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5971.32 +/- 1	2R3	4	0	5,840,586:53:9
476	0	363	09:57:54.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5967.55 +/- 1	2R3	4	0	5,840,586:78:0
477	0	363	09:58:02.533	165GV4A	7SCAN	NORM,61.16,20.53	Check S/P Position	2R3	4	0	5,840,586:90:0
478	0	363	09:58:16.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,587:20:0
479	0	363	09:58:16.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5962.39 +/- 1	2R3	4	0	5,840,587:20:0
480	0	363	09:58:17.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5962.33 +/- 1	2R3	4	0	5,840,587:21:8
481	0	363	09:58:35.200	176GV6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,840,587:48:0
482	0	363	09:59:55.200	117GV	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,840,588:77:0
483	0	363	10:00:04.533	117GV105A106A4A	7STRP	-0.061578,-0.064	Slew =0,1.8	2R3	4	0	5,840,589:00:0
484	0	363	10:02:59.866	117GV105A106A4B	7STRP	0.060975,0.06029	Slew =12.01	2R3	4	0	5,840,591:81:0
485	0	363	10:03:39.866	117GV105A106A4C	7STRP	-0.061578,-0.064	Slew =0,1.8	2R3	4	0	5,840,592:50:0
486	0	363	10:06:35.200	117GV105A106A4D	7STRP	0.060975,0.06029	Slew =12.01	2R3	4	0	5,840,595:40:0
487	0	363	10:07:15.200	117GV105A106A4E	7STRP	-0.061578,-0.064	Slew =0,1.8	2R3	4	0	5,840,596:09:0
488	0	363	10:10:10.533	117GV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,840,598:90:0
489	0	363	10:11:09.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,840,599:88:0
490	0	363	10:11:09.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5962.33 +/- 1	2R3	4	0	5,840,599:88:0
491	0	363	10:11:11.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5962.45 +/- 1	2R3	4	0	5,840,599:90:1
492	0	363	10:11:13.200	176GV6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,840,600:02:0
493	0	363	10:11:16.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5963.69 +/- 1	2R3	4	0	5,840,600:07:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	0	363	10:11:17.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5963.75 +/- 1	2R3	4	0	5,840,600:08:8	
495	0	363	10:11:19.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5963.63 +/- 1	2R3	4	0	5,840,600:10:9	
496	0	363	10:11:35.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5959.86 +/- 1	2R3	4	0	5,840,600:35:0	
497	0	363	10:11:57.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5954.71 +/- 1	2R3	4	0	5,840,600:68:0	
498	0	363	10:11:57.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,600:68:0	
499	0	363	10:11:58.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5954.65 +/- 1	2R3	4	0	5,840,600:69:8	
500	0	363	10:13:12.533	165IC4A	7SCAN	NORM,64.316999,2	Check S/P Position	2R3	4	0	5,840,601:90:0	
501	0	363	10:16:10.533	175IC422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	5,840,604:84:0	
502	0	363	10:16:10.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5954.65 +/- 1	2R3	4	0	5,840,604:84:0	
503	0	363	10:16:11.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5954.77 +/- 1	2R3	4	0	5,840,604:86:1	
504	0	363	10:16:13.866	165IC4B	7VECT		Inert vect update UTC	2R3	4	0	5,840,604:89:0	
505	0	363	10:16:17.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5956.00 +/- 1	2R3	4	0	5,840,605:03:0	
506	0	363	10:16:18.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5956.06 +/- 1	2R3	4	0	5,840,605:04:8	
507	0	363	10:16:21.866	175IC176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	5,840,605:10:0	
508	0	363	10:16:22.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5949.76 +/- 1	2R3	4	0	5,840,605:10:8	
509	0	363	10:16:22.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5949.76 +/- 1	2R3	4	0	5,840,605:10:8	
510	0	363	10:17:09.866	118IC	**SMOS**	GS		2R3	4	0	5,840,605:82:0	
511	0	363	10:17:15.866	176IC6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,606:00:0	
512	0	363	10:17:19.866	118IC110A111A4A	7STRP	-0.007,0.0,546,0	Slew =,3.51	2R3	4	0	5,840,606:06:0	
513	0	363	10:17:46.533		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5653.98 +/- 1	2R3	4	0	5,840,606:46:0	
514	0	363	10:17:46.533	175IC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,606:46:0	
515	0	363	10:17:47.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5652.98 +/- 1	2R3	4	0	5,840,606:47:8	
516	0	363	10:19:12.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5652.98 +/- 1	2R3	4	0	5,840,607:84:0	
517	0	363	10:19:12.533	175IV422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	5,840,607:84:0	
518	0	363	10:19:13.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5653.10 +/- 1	2R3	4	0	5,840,607:86:1	
519	0	363	10:19:19.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5654.33 +/- 1	2R3	4	0	5,840,608:03:0	
520	0	363	10:19:20.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5654.39 +/- 1	2R3	4	0	5,840,608:04:8	
521	0	363	10:19:23.866	175IV176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	5,840,608:10:0	
522	0	363	10:19:24.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5648.09 +/- 1	2R3	4	0	5,840,608:10:8	
523	0	363	10:19:24.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5648.09 +/- 1	2R3	4	0	5,840,608:10:8	
524	0	363	10:20:17.866	176IV6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,609:00:0	
525	0	363	10:20:21.866	118IC110A111B4A	7STRP	0.00775,0.007003	Slew =,8.11	2R3	4	0	5,840,609:06:0	
526	0	363	10:20:48.533	175IV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,609:46:0	
527	0	363	10:20:48.533		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5352.31 +/- 1	2R3	4	0	5,840,609:46:0	
528	0	363	10:20:49.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5351.31 +/- 1	2R3	4	0	5,840,609:47:8	
529	0	363	10:22:14.533	175IW422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	5,840,610:84:0	
530	0	363	10:22:14.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5351.31 +/- 1	2R3	4	0	5,840,610:84:0	
531	0	363	10:22:15.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5351.43 +/- 1	2R3	4	0	5,840,610:86:1	
532	0	363	10:22:21.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5352.67 +/- 1	2R3	4	0	5,840,611:03:0	
533	0	363	10:22:22.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5352.73 +/- 1	2R3	4	0	5,840,611:04:8	
534	0	363	10:22:25.866	175IW176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	5,840,611:10:0	
535	0	363	10:22:26.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5346.43 +/- 1	2R3	4	0	5,840,611:10:8	
536	0	363	10:22:26.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5346.43 +/- 1	2R3	4	0	5,840,611:10:8	
537	0	363	10:23:19.866	176IW6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,612:00:0	
538	0	363	10:23:23.866	118IC110A111B4B	7STRP	-0.007,0.0,546,0	Slew =,3.51	2R3	4	0	5,840,612:06:0	
539	0	363	10:23:50.533		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5050.65 +/- 1	2R3	4	0	5,840,612:46:0	
540	0	363	10:23:50.533	175IW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,612:46:0	
541	0	363	10:23:51.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5049.65 +/- 1	2R3	4	0	5,840,612:47:8	
542	0	363	10:25:16.533	175IX422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	5,840,613:84:0	
543	0	363	10:25:16.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5049.65 +/- 1	2R3	4	0	5,840,613:84:0	
544	0	363	10:25:17.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5049.77 +/- 1	2R3	4	0	5,840,613:86:1	
545	0	363	10:25:23.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5051.00 +/- 1	2R3	4	0	5,840,614:03:0	
546	0	363	10:25:24.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5051.06 +/- 1	2R3	4	0	5,840,614:04:8	
547	0	363	10:25:27.866	175IX176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	5,840,614:10:0	
548	0	363	10:25:28.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5044.76 +/- 1	2R3	4	0	5,840,614:10:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
549	0	363	10:25:28.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5044.76 +/- 1	2R3	4	0	5,840,614:10:8
550	0	363	10:26:21.866	176IX6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,615:00:0
551	0	363	10:26:52.533		DMS:	: *RUNDOWN	R115, TRACK 2, REV, TIC *4748.98 +/- 1	2R3	4	0	5,840,615:46:0
552	0	363	10:26:52.533	175IX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,615:46:0
553	0	363	10:26:53.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4747.98 +/- 1	2R3	4	0	5,840,615:47:8
554	0	363	10:28:18.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4747.98 +/- 1	2R3	4	0	5,840,616:84:0
555	0	363	10:28:18.533	175IY422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	5,840,616:84:0
556	0	363	10:28:19.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4748.10 +/- 1	2R3	4	0	5,840,616:86:1
557	0	363	10:28:25.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4749.33 +/- 1	2R3	4	0	5,840,617:03:0
558	0	363	10:28:26.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4749.39 +/- 1	2R3	4	0	5,840,617:04:8
559	0	363	10:28:29.866	175IY176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	5,840,617:10:0
560	0	363	10:28:30.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4743.09 +/- 1	2R3	4	0	5,840,617:10:8
561	0	363	10:28:30.400		DMS:	: *RECORD	R115, TRACK 2, REV, TIC *4743.09 +/- 1	2R3	4	0	5,840,617:10:8
562	0	363	10:29:23.866	176IY6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,840,618:00:0
563	0	363	10:29:27.866	118IC11A	SMOS	GE		2R3	4	0	5,840,618:06:0
564	0	363	10:29:30.533	165IB4A	7SCAN	NORM,64.549999,2	Check S/P Position	2R3	4	0	5,840,618:10:0
565	0	363	10:29:54.533	175IY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,618:46:0
566	0	363	10:29:54.533		DMS:	: *RUNDOWN	R115, TRACK 2, REV, TIC *4447.31 +/- 1	2R3	4	0	5,840,618:46:0
567	0	363	10:29:55.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4446.31 +/- 1	2R3	4	0	5,840,618:47:8
568	**0**	**363**	**10:30:09.000**	**29NNREGION01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
569	**0**	**363**	**10:30:09.866**	**20DA5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,840,618:69:0**
570	**0**	**363**	**10:30:17.200**	**20DA5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,840,618:80:0**
571	**0**	**363**	**10:30:25.200**	**20DA6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,840,619:01:0**
572	**0**	**363**	**10:30:35.200**	**20DA6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,840,619:16:0**
573	**0**	**363**	**10:30:45.200**	**20DA5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,840,619:31:0**
574	**0**	**363**	**10:30:46.533**	**20DA5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,840,619:33:0**
575	**0**	**363**	**10:31:17.866**	**20DA4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,840,619:80:0**
576	**0**	**363**	**10:31:18.000**	**29NNREGION01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
577	0	363	10:31:20.533	175IB422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	5,840,619:84:0
578	0	363	10:31:20.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4446.31 +/- 1	2R0	4	0	5,840,619:84:0
579	0	363	10:31:21.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4446.43 +/- 1	2R0	4	0	5,840,619:86:1
580	0	363	10:31:22.533	118IB	SMOS	GS		2R0	4	0	5,840,619:87:0
581	0	363	10:31:23.866	165IB4B	7VECT		Inert vect update UTC	2R0	4	0	5,840,619:89:0
582	0	363	10:31:27.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4447.67 +/- 1	2R0	4	0	5,840,620:03:0
583	0	363	10:31:28.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4447.73 +/- 1	2R0	4	0	5,840,620:04:8
584	**0**	**363**	**10:31:29.199**	**29GNREGION01-**		**-----START------**		**2R0**	**4**	**0**	**: :**
585	0	363	10:31:31.866	175IB176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R0	4	0	5,840,620:10:0
586	0	363	10:31:32.400		DMS:	: *RECORD	R115, TRACK 2, REV, TIC *4441.43 +/- 1	2R0	4	0	5,840,620:10:8
587	0	363	10:31:32.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4441.43 +/- 1	2R0	4	0	5,840,620:10:8
588	0	363	10:31:32.533	118IB110A111A4A	7STRP	-0.007,0.0003,18	Slew =3,2.8	2R0	4	0	5,840,620:11:0
589	**0**	**363**	**10:32:21.200**	**125DA4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,840,620:84:0**
590	0	363	10:32:21.200	125DA	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,840,620:84:0
591	0	363	10:32:21.200	125DA11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,840,620:84:0
592	**0**	**363**	**10:33:21.866**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,840,621:84:0**
593	0	363	10:33:21.866	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,840,621:84:0
594	**0**	**363**	**10:33:22.533**	**127DA4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,840,621:85:0**
595	0	363	10:33:30.533	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,840,622:06:0
596	0	363	10:33:33.866	118IB11A	SMOS	GE		2R3	4	0	5,840,622:11:0
597	0	363	10:34:26.533	165DA4A	**7SCAN**	**NORM,64.384999,2**	**Check S/P Position**	2R3	4	0	5,840,622:90:0
598	0	363	10:34:28.533		DMS:	: *RUNDOWN	R115, TRACK 2, REV, TIC *3822.21 +/- 1	2R3	4	0	5,840,623:02:0
599	0	363	10:34:28.533	175IB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,623:02:0
600	0	363	10:34:29.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3821.21 +/- 1	2R3	4	0	5,840,623:03:8
601	0	363	10:36:13.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3821.21 +/- 1	2R3	4	0	5,840,624:69:0
602	0	363	10:36:13.866	175DA422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,840,624:69:0
603	0	363	10:36:15.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3821.33 +/- 1	2R3	4	0	5,840,624:71:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	0	363	10:36:19.200	117DA	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,840,624:77:0	
605	0	363	10:36:20.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3822.56 +/- 1	2R3	4	0	5,840,624:79:0	
606	0	363	10:36:21.733		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *3822.62 +/- 1	2R3	4	0	5,840,624:80:8	
607	0	363	10:36:25.200	175DA176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,840,624:86:0	
608	0	363	10:36:25.733		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *3821.12 +/- 1	2R3	4	0	5,840,624:86:8	
609	0	363	10:36:25.733		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 3821.12 +/- 1	2R3	4	0	5,840,624:86:8	
610	0	363	10:36:27.200	165DA4B	7VECT		Inert vect update UTC	2R3	4	0	5,840,624:89:0	
611	**0**	**363**	**10:36:27.866**	**29GNREGION01-**	**NIMPBK**	**301DA**	**GANYMEDE REGION OBSERVATION**	**2R3**	**4**	**0**	**: :**	
612	0	363	10:36:28.533	117DA105A106A4A	**7STRP**	**-0.014101,0.0,0,**	**Slew =,0.03**	2R3	4	0	5,840,625:00:0	
613	**0**	**363**	**10:36:43.866**	**29GNREGION01-**	**NIMPBK**	**301FA**	**GANYMEDE REGION OBSERVATION**	**2R3**	**4**	**0**	**: :**	
614	**0**	**363**	**10:36:53.200**	**29GNREGION01-**	**DESELC**	**300FA**	**GANYMEDE REGION OBSERVATION**	**2R3**	**4**	**0**	**: :**	
615	0	363	10:44:22.533	117DA105A106A4B	**7STRP**	**0.014201,0.00750**	**Slew =12.01**	2R3	4	0	5,840,632:74:0	
616	**0**	**363**	**10:44:26.533**	**29GNREGION01-**	**DESELC**	**300DA**	**GANYMEDE REGION OBSERVATION**	**2R3**	**4**	**0**	**: :**	
617	**0**	**363**	**10:44:31.200**	**29GNREGION01-**	**NIMPBK**	**301EZ**	**GANYMEDE REGION OBSERVATION**	**2R3**	**4**	**0**	**: :**	
618	0	363	10:44:39.200	117DA105A106A4C	**7STRP**	**-0.014101,0.0,0,**	**Slew =,0.03**	2R3	4	0	5,840,633:08:0	
619	**0**	**363**	**10:47:39.866**	**29GNREGION01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
620	**0**	**363**	**10:51:01.800**	**29GNREGION01-**	**NIMPBK**	**301FN**	**GANYMEDE REGION OBSERVATION**	**2R3**	**4**	**0**	**: :**	
621	**0**	**363**	**10:51:17.200**	**29GNREGION01-**	**DESELC**	**300FN**	**GANYMEDE REGION OBSERVATION**	**2R3**	**4**	**0**	**: :**	
622	**0**	**363**	**10:51:25.866**	**29GNREGION01-**	**DESELC**	**300EZ**	**GANYMEDE REGION OBSERVATION**	**2R3**	**4**	**0**	**: :**	
623	0	363	10:51:28.533		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *3027.65 +/- 1	2R3	4	0	5,840,639:76:0	
624	0	363	10:51:28.533	175DA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,639:76:0	
625	0	363	10:51:29.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3027.35 +/- 1	2R3	4	0	5,840,639:77:8	
626	0	363	10:51:41.200	488AF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,840,640:04:0	
627	0	363	10:52:33.200	117DA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,840,640:82:0	
628	0	363	10:52:38.533	165GG4A	7SCAN	NORM,65.834,23.7	Check S/P Position	2R3	4	0	5,840,640:90:0	
629	0	363	10:53:39.866	176GG6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,840,642:00:0	
630	0	363	10:54:31.200	117GG	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,840,642:77:0	
631	0	363	10:54:40.533	117GG105A106A4A	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,643:00:0	
632	0	363	10:56:47.866	117GG105A106A4B	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,645:09:0	
633	0	363	10:57:19.200	117GG105A106A4C	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,645:56:0	
634	0	363	10:59:26.533	117GG105A106A4D	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,647:65:0	
635	0	363	10:59:57.866	117GG105A106A4E	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,648:21:0	
636	0	363	11:02:05.200	117GG105A106A4F	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,650:30:0	
637	0	363	11:02:36.533	117GG105A106A4G	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,650:77:0	
638	0	363	11:04:43.866	117GG105A106A4H	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,652:86:0	
639	0	363	11:05:15.200	117GG105A106A4I	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,653:42:0	
640	0	363	11:06:14.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3027.35 +/- 1	2R3	4	0	5,840,654:40:0	
641	0	363	11:06:14.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,840,654:40:0	
642	0	363	11:06:15.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3027.47 +/- 1	2R3	4	0	5,840,654:42:1	
643	0	363	11:06:21.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3028.70 +/- 1	2R3	4	0	5,840,654:50:0	
644	0	363	11:06:22.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3028.76 +/- 1	2R3	4	0	5,840,654:51:8	
645	0	363	11:06:23.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3028.64 +/- 1	2R3	4	0	5,840,654:53:9	
646	0	363	11:06:39.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3024.87 +/- 1	2R3	4	0	5,840,654:78:0	
647	0	363	11:07:02.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3019.56 +/- 1	2R3	4	0	5,840,655:21:0	
648	0	363	11:07:02.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,655:21:0	
649	0	363	11:07:03.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3019.50 +/- 1	2R3	4	0	5,840,655:22:8	
650	0	363	11:07:22.533	117GG105A106A4J	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,655:51:0	
651	0	363	11:07:53.866	117GG105A106A4K	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,656:07:0	
652	0	363	11:10:01.200	117GG105A106A4L	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,658:16:0	
653	0	363	11:10:32.533	117GG105A106A4M	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,658:63:0	
654	0	363	11:12:39.866	117GG105A106A4N	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,660:72:0	
655	0	363	11:13:11.200	117GG105A106A4O	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,661:28:0	
656	0	363	11:15:18.533	117GG105A106A4P	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,663:37:0	
657	0	363	11:15:49.866	117GG105A106A4Q	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,663:84:0	
658	0	363	11:17:57.200	117GG105A106A4R	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,666:02:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
659	0	363	11:18:28.533	117GG105A106A4S	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,666:49:0
660	0	363	11:19:16.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3019.50 +/- 1	2R3	4	0	5,840,667:30:0
661	0	363	11:19:16.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,840,667:30:0
662	0	363	11:19:17.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3019.62 +/- 1	2R3	4	0	5,840,667:32:1
663	0	363	11:19:23.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3020.86 +/- 1	2R3	4	0	5,840,667:40:0
664	0	363	11:19:24.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3020.92 +/- 1	2R3	4	0	5,840,667:41:8
665	0	363	11:19:25.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3020.80 +/- 1	2R3	4	0	5,840,667:43:9
666	0	363	11:19:41.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3017.03 +/- 1	2R3	4	0	5,840,667:68:0
667	0	363	11:20:04.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,668:11:0
668	0	363	11:20:04.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3011.72 +/- 1	2R3	4	0	5,840,668:11:0
669	0	363	11:20:05.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3011.66 +/- 1	2R3	4	0	5,840,668:12:8
670	0	363	11:20:35.866	117GG105A106A4T	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,668:58:0
671	0	363	11:21:07.200	117GG105A106A4U	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,669:14:0
672	0	363	11:23:14.533	117GG105A106A4V	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,671:23:0
673	0	363	11:23:45.866	117GG105A106A4W	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,671:70:0
674	0	363	11:25:53.200	117GG105A106A4X	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,673:79:0
675	0	363	11:26:24.533	117GG105A106A4Y	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,674:35:0
676	0	363	11:28:31.866	117GG105A106A4Z	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,676:44:0
677	0	363	11:29:03.200	117GG105A106A4AA	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,677:00:0
678	0	363	11:29:59.866	480SA6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,840,677:85:0
679	0	363	11:31:10.533	117GG105A106A4AB	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,679:09:0
680	0	363	11:31:41.866	117GG105A106A4AC	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,679:56:0
681	0	363	11:32:18.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,840,680:20:0
682	0	363	11:32:18.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3011.66 +/- 1	2R3	4	0	5,840,680:20:0
683	0	363	11:32:19.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3011.78 +/- 1	2R3	4	0	5,840,680:22:1
684	0	363	11:32:25.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3013.01 +/- 1	2R3	4	0	5,840,680:30:0
685	0	363	11:32:26.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3013.07 +/- 1	2R3	4	0	5,840,680:31:8
686	0	363	11:32:27.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3012.95 +/- 1	2R3	4	0	5,840,680:33:9
687	0	363	11:32:43.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3009.19 +/- 1	2R3	4	0	5,840,680:58:0
688	0	363	11:33:06.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,681:01:0
689	0	363	11:33:06.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3003.87 +/- 1	2R3	4	0	5,840,681:01:0
690	0	363	11:33:07.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3003.81 +/- 1	2R3	4	0	5,840,681:02:8
691	0	363	11:33:49.200	117GG105A106A4AD	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,681:65:0
692	0	363	11:34:20.533	117GG105A106A4AE	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,682:21:0
693	0	363	11:35:20.533	488AF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,840,683:20:0
694	0	363	11:36:27.866	117GG105A106A4AF	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,684:30:0
695	0	363	11:36:39.866	480SA6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,840,684:48:0
696	0	363	11:36:59.200	117GG105A106A4AG	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,684:77:0
697	0	363	11:39:06.533	117GG105A106A4AH	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,686:86:0
698	0	363	11:39:37.866	117GG105A106A4AI	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,687:42:0
699	0	363	11:41:45.200	117GG105A106A4AJ	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,689:51:0
700	0	363	11:42:16.533	117GG105A106A4AK	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,690:07:0
701	0	363	11:44:23.866	117GG105A106A4AL	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,692:16:0
702	0	363	11:44:55.200	117GG105A106A4AM	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,692:63:0
703	0	363	11:45:21.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3003.81 +/- 1	2R3	4	0	5,840,693:11:0
704	0	363	11:45:21.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,840,693:11:0
705	0	363	11:45:22.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3003.93 +/- 1	2R3	4	0	5,840,693:13:1
706	0	363	11:45:27.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3005.17 +/- 1	2R3	4	0	5,840,693:21:0
707	0	363	11:45:29.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3005.23 +/- 1	2R3	4	0	5,840,693:22:8
708	0	363	11:45:30.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3005.11 +/- 1	2R3	4	0	5,840,693:24:9
709	0	363	11:45:45.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3001.50 +/- 1	2R3	4	0	5,840,693:48:0
710	0	363	11:46:08.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2996.19 +/- 1	2R3	4	0	5,840,693:82:0
711	0	363	11:46:08.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,693:82:0
712	0	363	11:46:09.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2996.13 +/- 1	2R3	4	0	5,840,693:83:8
713	0	363	11:47:02.533	117GG105A106A4AN	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,694:72:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
714	0	363	11:47:33.866	117GG105A106A4AO	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,695:28:0
715	0	363	11:49:41.200	117GG105A106A4AP	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,697:37:0
716	0	363	11:50:12.533	117GG105A106A4AQ	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,697:84:0
717	0	363	11:52:19.866	117GG105A106A4AR	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,700:02:0
718	0	363	11:52:51.200	117GG105A106A4AS	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,700:49:0
719	0	363	11:54:58.533	117GG105A106A4AT	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,702:58:0
720	0	363	11:55:29.866	117GG105A106A4AU	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,703:14:0
721	0	363	11:57:37.200	117GG105A106A4AV	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,705:23:0
722	0	363	11:58:08.533	117GG105A106A4AW	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,705:70:0
723	0	363	11:58:23.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,840,706:01:0
724	0	363	11:58:23.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2996.13 +/- 1	2R3	4	0	5,840,706:01:0
725	0	363	11:58:24.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2996.25 +/- 1	2R3	4	0	5,840,706:03:1
726	0	363	11:58:29.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2997.48 +/- 1	2R3	4	0	5,840,706:11:0
727	0	363	11:58:31.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2997.54 +/- 1	2R3	4	0	5,840,706:12:8
728	0	363	11:58:32.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2997.42 +/- 1	2R3	4	0	5,840,706:14:9
729	0	363	11:58:48.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2993.66 +/- 1	2R3	4	0	5,840,706:39:0
730	0	363	11:59:11.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,706:73:0
731	0	363	11:59:11.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2988.34 +/- 1	2R3	4	0	5,840,706:73:0
732	0	363	11:59:12.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2988.28 +/- 1	2R3	4	0	5,840,706:74:8
733	0	363	12:00:15.866	117GG105A106A4AX	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,707:79:0
734	0	363	12:00:47.200	117GG105A106A4AY	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,708:35:0
735	0	363	12:02:54.533	117GG105A106A4AZ	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,710:44:0
736	0	363	12:03:25.866	117GG105A106A4BA	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,711:00:0
737	0	363	12:05:33.200	117GG105A106A4BB	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,713:09:0
738	0	363	12:06:04.533	117GG105A106A4BC	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,713:56:0
739	0	363	12:08:11.866	117GG105A106A4BD	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,715:65:0
740	0	363	12:08:43.200	117GG105A106A4BE	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,716:21:0
741	0	363	12:10:50.533	117GG105A106A4BF	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,718:30:0
742	0	363	12:11:21.866	117GG105A106A4BG	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,718:77:0
743	0	363	12:11:25.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2988.28 +/- 1	2R3	4	0	5,840,718:82:0
744	0	363	12:11:25.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,840,718:82:0
745	0	363	12:11:26.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2988.40 +/- 1	2R3	4	0	5,840,718:84:1
746	0	363	12:11:31.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2989.64 +/- 1	2R3	4	0	5,840,719:01:0
747	0	363	12:11:33.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2989.70 +/- 1	2R3	4	0	5,840,719:02:8
748	0	363	12:11:34.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2989.58 +/- 1	2R3	4	0	5,840,719:04:9
749	0	363	12:11:50.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2985.81 +/- 1	2R3	4	0	5,840,719:29:0
750	0	363	12:12:13.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,719:63:0
751	0	363	12:12:13.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2980.50 +/- 1	2R3	4	0	5,840,719:63:0
752	0	363	12:12:14.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2980.44 +/- 1	2R3	4	0	5,840,719:64:8
753	0	363	12:13:29.200	117GG105A106A4BH	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,720:86:0
754	0	363	12:14:00.533	117GG105A106A4BI	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,721:42:0
755	0	363	12:16:07.866	117GG105A106A4BJ	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,723:51:0
756	0	363	12:16:39.200	117GG105A106A4BK	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,724:07:0
757	0	363	12:18:46.533	117GG105A106A4BL	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,726:16:0
758	0	363	12:19:17.866	117GG105A106A4BM	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,726:63:0
759	0	363	12:21:25.200	117GG105A106A4BN	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,728:72:0
760	0	363	12:21:56.533	117GG105A106A4BO	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,729:28:0
761	0	363	12:24:03.866	117GG105A106A4BP	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,731:37:0
762	0	363	12:24:27.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2980.44 +/- 1	2R3	4	0	5,840,731:73:0
763	0	363	12:24:27.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,840,731:73:0
764	0	363	12:24:29.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2980.56 +/- 1	2R3	4	0	5,840,731:75:1
765	0	363	12:24:34.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2981.79 +/- 1	2R3	4	0	5,840,731:83:0
766	0	363	12:24:35.200	117GG105A106A4BQ	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,731:84:0
767	0	363	12:24:35.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2981.85 +/- 1	2R3	4	0	5,840,731:84:8
768	0	363	12:24:37.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2981.73 +/- 1	2R3	4	0	5,840,731:86:9

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
769	0	363	12:24:52.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2978.12 +/- 1	2R3	4	0	5,840,732:19:0
770	0	363	12:25:15.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,732:53:0
771	0	363	12:25:15.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2972.81 +/- 1	2R3	4	0	5,840,732:53:0
772	0	363	12:25:16.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2972.75 +/- 1	2R3	4	0	5,840,732:54:8
773	0	363	12:26:42.533	117GG105A106A4BR	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,734:02:0
774	0	363	12:27:13.866	117GG105A106A4BS	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,734:49:0
775	0	363	12:29:21.200	117GG105A106A4BT	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,736:58:0
776	0	363	12:29:52.533	117GG105A106A4BU	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,737:14:0
777	0	363	12:31:59.866	117GG105A106A4BV	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,739:23:0
778	0	363	12:32:31.200	117GG105A106A4BW	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,739:70:0
779	0	363	12:34:38.533	117GG105A106A4BX	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,741:79:0
780	0	363	12:35:09.866	117GG105A106A4BY	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,742:35:0
781	0	363	12:37:17.200	117GG105A106A4BZ	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,744:44:0
782	0	363	12:37:29.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,840,744:63:0
783	0	363	12:37:29.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2972.75 +/- 1	2R3	4	0	5,840,744:63:0
784	0	363	12:37:31.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2972.87 +/- 1	2R3	4	0	5,840,744:65:1
785	0	363	12:37:36.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2974.11 +/- 1	2R3	4	0	5,840,744:73:0
786	0	363	12:37:37.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2974.17 +/- 1	2R3	4	0	5,840,744:74:8
787	0	363	12:37:39.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2974.05 +/- 1	2R3	4	0	5,840,744:76:9
788	0	363	12:37:48.533	117GG105A106A4CA	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,745:00:0
789	0	363	12:37:55.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2970.28 +/- 1	2R3	4	0	5,840,745:10:0
790	0	363	12:38:17.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2964.97 +/- 1	2R3	4	0	5,840,745:44:0
791	0	363	12:38:17.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,745:44:0
792	0	363	12:38:19.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2964.91 +/- 1	2R3	4	0	5,840,745:45:8
793	0	363	12:39:55.866	117GG105A106A4CB	7STRP	0.016952,-0.0375	Slew =12.01	2R3	4	0	5,840,747:09:0
794	0	363	12:40:27.200	117GG105A106A4CC	7STRP	-0.016001,0.0373	Slew =,1.83	2R3	4	0	5,840,747:56:0
795	0	363	12:42:34.533	117GG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,840,749:65:0
796	0	363	12:43:21.866	176GG6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,840,750:45:0
797	0	363	12:43:23.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,840,750:48:0
798	0	363	12:43:23.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2964.91 +/- 1	2R3	4	0	5,840,750:48:0
799	0	363	12:43:25.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2965.03 +/- 1	2R3	4	0	5,840,750:50:1
800	0	363	12:43:30.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2966.26 +/- 1	2R3	4	0	5,840,750:58:0
801	0	363	12:43:31.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2966.32 +/- 1	2R3	4	0	5,840,750:59:8
802	0	363	12:43:33.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2966.20 +/- 1	2R3	4	0	5,840,750:61:9
803	0	363	12:43:33.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2966.03 +/- 1	2R3	4	0	5,840,750:63:0
804	0	363	12:43:48.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2962.59 +/- 1	2R3	4	0	5,840,750:85:0
805	0	363	12:43:48.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,840,750:85:0
806	0	363	12:43:49.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2962.53 +/- 1	2R3	4	0	5,840,750:86:8
807	**0**	**363**	**13:40:37.000**	**29NNGLOBAL01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
808	**0**	**363**	**13:40:37.200**	**20DB5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,840,807:11:0**
809	**0**	**363**	**13:40:45.200**	**20DB5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,840,807:23:0**
810	**0**	**363**	**13:40:54.533**	**20DB6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,840,807:37:0**
811	**0**	**363**	**13:41:04.533**	**20DB6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,840,807:52:0**
812	**0**	**363**	**13:41:14.533**	**20DB5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,840,807:67:0**
813	**0**	**363**	**13:41:17.866**	**20DB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,840,807:72:0**
814	**0**	**363**	**13:41:45.866**	**20DB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,840,808:23:0**
815	**0**	**363**	**13:41:46.000**	**29NNGLOBAL01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
816	0	363	13:42:30.533	165DB4A	**7SCAN**	**NORM,311.087997,**	**Check S/P Position**	2R0	4	0	5,840,808:90:0
817	**0**	**363**	**13:42:35.200**	**29CNGLOBAL01-**		**-----START------**		**2R0**	**4**	**0**	**: :**
818	0	363	13:43:27.200	125DB11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,840,809:84:0
819	0	363	13:43:27.200	125DB	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,840,809:84:0
820	**0**	**363**	**13:43:27.200**	**125DB4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**5,840,809:84:0**
821	0	363	13:45:28.533	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,840,811:84:0
822	**0**	**363**	**13:45:28.533**	**127DB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**5,840,811:84:0**
823	**0**	**363**	**13:45:29.200**	**127DB4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**5,840,811:85:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	0	363	13:45:37.200	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,840,812:06:0	
825	0	363	13:46:19.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2962.53 +/- 1	4R3	4	0	5,840,812:69:0	
826	0	363	13:46:19.200	175DB422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R3	4	0	5,840,812:69:0	
827	0	363	13:46:20.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2962.65 +/- 1	4R3	4	0	5,840,812:71:1	
828	0	363	13:46:24.533	117DB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,840,812:77:0	
829	0	363	13:46:25.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2963.89 +/- 1	4R3	4	0	5,840,812:79:0	
830	0	363	13:46:27.066		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *2963.95 +/- 1	4R3	4	0	5,840,812:80:8	
831	0	363	13:46:30.533	175DB176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	5,840,812:86:0	
832	0	363	13:46:31.066		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 2962.45 +/- 1	4R3	4	0	5,840,812:86:8	
833	0	363	13:46:31.066		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *2962.45 +/- 1	4R3	4	0	5,840,812:86:8	
834	**0**	**363**	**13:46:33.200**	**29CNGLOBAL01-**	**NIMPBK**	**301DB**	**CALLISTO GLOBAL OBSERVATION**	**4R3**	**4**	**0**	**: :**	
835	0	363	13:46:33.866	117DB105A106A4A	**7STRP**	**-0.003,0.0,0,0,0**	**Slew =,0.02**	4R3	4	0	5,840,813:00:0	
836	**0**	**363**	**13:48:36.533**	**29CNGLOBAL01-**	**DESELC**	**300DB**	**CALLISTO GLOBAL OBSERVATION**	**4R3**	**4**	**0**	**: :**	
837	0	363	13:48:39.200	175DB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,840,815:06:0	
838	0	363	13:48:39.200		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *2849.83 +/- 1	4R3	4	0	5,840,815:06:0	
839	0	363	13:48:40.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2849.53 +/- 1	4R3	4	0	5,840,815:07:8	
840	0	363	13:49:08.533	117DB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,840,815:50:0	
841	0	363	13:59:59.866	481UB4A	7VECT	BB1	Inert vect update UTC	4R3	4	0	5,840,826:26:0	
842	**0**	**363**	**14:02:48.533**	**29CNGLOBAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
843	0	363	14:28:54.533	488AG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	5,840,854:80:0	
844	0	363	15:45:42.533	488AG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	5,840,930:76:0	
845	0	363	16:01:42.533	488AG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	5,840,946:60:0	
846	0	363	16:45:21.200	488AG6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	5,840,989:75:0	
847	0	363	16:59:59.866	480SB6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	4R3	4	0	5,841,004:28:0	
848	0	363	17:06:39.866	480SB6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	4R3	4	0	5,841,010:82:0	
849	**0**	**363**	**17:13:35.000**	**29NNGLOBAL01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
850	**0**	**363**	**17:13:35.866**	**20DC5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,841,017:69:0**	
851	**0**	**363**	**17:13:43.200**	**20DC5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,841,017:80:0**	
852	**0**	**363**	**17:13:51.200**	**20DC6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,841,018:01:0**	
853	**0**	**363**	**17:14:01.200**	**20DC6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,841,018:16:0**	
854	**0**	**363**	**17:14:11.200**	**20DC5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,841,018:31:0**	
855	**0**	**363**	**17:14:12.533**	**20DC5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,841,018:33:0**	
856	**0**	**363**	**17:14:43.866**	**20DC4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,841,018:80:0**	
857	**0**	**363**	**17:14:44.000**	**29NNGLOBAL01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
858	0	363	17:14:50.533	165DC4A	**7SCAN**	**NORM,65.473,24.6**	**Check S/P Position**	2R0	4	0	5,841,018:90:0	
859	**0**	**363**	**17:14:55.199**	**29GNGLOBAL01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
860	0	363	17:15:47.200	125DC	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,841,019:84:0	
861	**0**	**363**	**17:15:47.200**	**125DC4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,841,019:84:0**	
862	0	363	17:15:47.200	125DC11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,841,019:84:0	
863	0	363	17:16:47.866	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,841,020:84:0	
864	**0**	**363**	**17:16:47.866**	**127DC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,841,020:84:0**	
865	**0**	**363**	**17:16:48.533**	**127DC4B**	**37ETB**	**0A,CA,18,39,FF,1**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,841,020:85:0**	
866	0	363	17:16:56.533	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,841,021:06:0	
867	0	363	17:18:41.866	175DC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,022:73:0	
868	0	363	17:18:41.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2849.53 +/- 1	2R3	4	0	5,841,022:73:0	
869	0	363	17:18:43.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2849.65 +/- 1	2R3	4	0	5,841,022:75:1	
870	0	363	17:18:44.533	117DC	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,841,022:77:0	
871	0	363	17:18:48.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2850.89 +/- 1	2R3	4	0	5,841,022:83:0	
872	0	363	17:18:49.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2850.95 +/- 1	2R3	4	0	5,841,022:84:8	
873	0	363	17:18:50.533	175DC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	5,841,022:86:0	
874	0	363	17:18:51.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2850.83 +/- 1	2R3	4	0	5,841,022:86:9	
875	0	363	17:18:51.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2850.83 +/- 1	2R3	4	0	5,841,022:86:9	
876	**0**	**363**	**17:18:53.200**	**29GNGLOBAL01-**	**NIMPBK**	**301DC**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
877	0	363	17:18:53.866	117DC105A106A4A	**7STRP**	**-0.017702,0.0,0,**	**Slew =,0.03**	2R3	4	0	5,841,023:00:0	
878	**0**	**363**	**17:20:27.200**	**29GNGLOBAL01-**	**NIMPBK**	**301FB**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	0	363	17:20:38.533	29GNGLOBAL01-	DESELC	300FB	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	: :	
880	0	363	17:22:54.533	29GNGLOBAL01-	NIMPBK	301EG	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	: :	
881	0	363	17:23:20.400	29GNGLOBAL01-	NIMPBK	301FO	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	: :	
882	0	363	17:24:02.400	29GNGLOBAL01-	DESELC	300FO	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	: :	
883	0	363	17:26:37.866	29GNGLOBAL01-	DESELC	300EG	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	: :	
884	0	363	17:28:41.200	29GNGLOBAL01-	DESELC	300DC	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	: :	
885	0	363	17:28:51.200	117DC11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,841,032:77:0	
886	0	363	17:28:51.200	175DC6A	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,841,032:77:0	
887	0	363	17:28:51.200		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *2710.18 +/- 1	2R3	4	0	5,841,032:77:0	
888	0	363	17:28:51.200	175DC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,032:77:0	
889	0	363	17:28:52.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2710.12 +/- 1	2R3	4	0	5,841,032:78:8	
890	0	363	17:28:59.866	165DD4A	7SCAN	NORM,65.502999,2	Check S/P Position	2R3	4	0	5,841,032:90:0	
891	0	363	17:29:04.532	29GNGLOBAL01-		-----STOP-------		2R3	4	0	: :	
892	0	363	17:29:04.532	29GNGLOBAL02-		-----START------		2R3	4	0	: :	
893	0	363	17:31:50.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2710.12 +/- 1	2R3	4	0	5,841,035:73:0	
894	0	363	17:31:50.533	175DD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,035:73:0	
895	0	363	17:31:51.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2710.24 +/- 1	2R3	4	0	5,841,035:75:1	
896	0	363	17:31:53.200	117DD	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,841,035:77:0	
897	0	363	17:31:57.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2711.48 +/- 1	2R3	4	0	5,841,035:83:0	
898	0	363	17:31:58.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2711.54 +/- 1	2R3	4	0	5,841,035:84:8	
899	0	363	17:31:59.200	175DD176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	5,841,035:86:0	
900	0	363	17:31:59.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2711.42 +/- 1	2R3	4	0	5,841,035:86:9	
901	0	363	17:31:59.800		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *2711.42 +/- 1	2R3	4	0	5,841,035:86:9	
902	0	363	17:32:01.866	29GNGLOBAL02-	NIMPBK	301DD	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	: :	
903	0	363	17:32:02.533	117DD105A106A4A	7STRP	-0.017802,0.0,0,	Slew =,0.03	2R3	4	0	5,841,036:00:0	
904	0	363	17:35:11.200	29GNGLOBAL02-	NIMPBK	301FP	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	: :	
905	0	363	17:35:45.200	29GNGLOBAL02-	DESELC	300FP	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	: :	
906	0	363	17:41:59.866	117DD11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,841,045:77:0	
907	0	363	17:42:09.866	29GNGLOBAL02-	DESELC	300DD	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	: :	
908	0	363	17:42:19.866		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *2566.09 +/- 1	2R3	4	0	5,841,046:16:0	
909	0	363	17:42:19.866	175DD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,046:16:0	
910	0	363	17:42:19.866	175DD6A	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,841,046:16:0	
911	0	363	17:42:21.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2566.03 +/- 1	2R3	4	0	5,841,046:17:8	
912	0	363	17:59:24.532	29GNGLOBAL02-		-----STOP-------		2R3	4	0	: :	
913	0	363	18:36:44.466	165GH4A	7SCAN	NORM,285.551998,	Check S/P Position	2R3	4	0	5,841,099:90:0	
914	0	363	18:39:47.133	176GH6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,841,103:00:0	
915	0	363	18:40:38.466	117GH	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,841,103:77:0	
916	0	363	18:40:47.800	117GH105A106A4A	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,104:00:0	
917	0	363	18:42:21.800	117GH105A106A4B	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,105:50:0	
918	0	363	18:42:37.800	117GH105A106A4C	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,105:74:0	
919	0	363	18:44:11.800	117GH105A106A4D	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,107:33:0	
920	0	363	18:44:27.800	117GH105A106A4E	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,107:57:0	
921	0	363	18:46:01.800	117GH105A106A4F	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,109:16:0	
922	0	363	18:46:17.800	117GH105A106A4G	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,109:40:0	
923	0	363	18:47:51.800	117GH105A106A4H	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,110:90:0	
924	0	363	18:48:07.800	117GH105A106A4I	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,111:23:0	
925	0	363	18:49:41.800	117GH105A106A4J	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,112:73:0	
926	0	363	18:49:57.800	117GH105A106A4K	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,113:06:0	
927	0	363	18:51:31.800	117GH105A106A4L	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,114:56:0	
928	0	363	18:51:47.800	117GH105A106A4M	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,114:80:0	
929	0	363	18:53:21.800	117GH105A106A4N	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,116:39:0	
930	0	363	18:53:37.800	117GH105A106A4O	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,116:63:0	
931	0	363	18:53:41.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2566.03 +/- 1	2R3	4	0	5,841,116:68:0	
932	0	363	18:53:41.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,116:68:0	
933	0	363	18:53:42.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2566.15 +/- 1	2R3	4	0	5,841,116:70:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
934	0	363	18:53:47.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2567.39 +/- 1	2R3	4	0	5,841,116:78:0
935	0	363	18:53:49.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2567.45 +/- 1	2R3	4	0	5,841,116:79:8
936	0	363	18:53:50.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2567.33 +/- 1	2R3	4	0	5,841,116:81:9
937	0	363	18:54:09.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2562.93 +/- 1	2R3	4	0	5,841,117:19:0
938	0	363	18:54:31.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2557.62 +/- 1	2R3	4	0	5,841,117:53:0
939	0	363	18:54:31.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,117:53:0
940	0	363	18:54:33.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2557.56 +/- 1	2R3	4	0	5,841,117:54:8
941	0	363	18:55:11.800	117GH105A106A4P	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,118:22:0
942	0	363	18:55:27.800	117GH105A106A4Q	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,118:46:0
943	0	363	18:57:01.800	117GH105A106A4R	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,120:05:0
944	0	363	18:57:17.800	117GH105A106A4S	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,120:29:0
945	0	363	18:58:51.800	117GH105A106A4T	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,121:79:0
946	0	363	18:59:07.800	117GH105A106A4U	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,122:12:0
947	0	363	19:00:41.800	117GH105A106A4V	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,123:62:0
948	0	363	19:00:57.800	117GH105A106A4W	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,123:86:0
949	0	363	19:02:31.800	117GH105A106A4X	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,125:45:0
950	0	363	19:02:47.800	117GH105A106A4Y	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,125:69:0
951	0	363	19:04:21.800	117GH105A106A4Z	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,127:28:0
952	0	363	19:04:37.800	117GH105A106A4AA	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,127:52:0
953	0	363	19:06:11.800	117GH105A106A4AB	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,129:11:0
954	0	363	19:06:27.800	117GH105A106A4AC	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,129:35:0
955	0	363	19:08:01.800	117GH105A106A4AD	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,130:85:0
956	0	363	19:08:05.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,130:90:0
957	0	363	19:08:05.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2557.56 +/- 1	2R3	4	0	5,841,130:90:0
958	0	363	19:08:06.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2557.68 +/- 1	2R3	4	0	5,841,131:01:1
959	0	363	19:08:11.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2558.92 +/- 1	2R3	4	0	5,841,131:09:0
960	0	363	19:08:13.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2558.98 +/- 1	2R3	4	0	5,841,131:10:8
961	0	363	19:08:14.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2558.86 +/- 1	2R3	4	0	5,841,131:12:9
962	0	363	19:08:17.800	117GH105A106A4AE	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,131:18:0
963	0	363	19:08:33.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2554.47 +/- 1	2R3	4	0	5,841,131:41:0
964	0	363	19:08:55.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2549.15 +/- 1	2R3	4	0	5,841,131:75:0
965	0	363	19:08:55.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,131:75:0
966	0	363	19:08:57.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2549.09 +/- 1	2R3	4	0	5,841,131:76:8
967	0	363	19:09:51.800	117GH105A106A4AF	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,132:68:0
968	0	363	19:10:07.800	117GH105A106A4AG	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,133:01:0
969	0	363	19:11:41.800	117GH105A106A4AH	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,134:51:0
970	0	363	19:11:57.800	117GH105A106A4AI	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,134:75:0
971	0	363	19:13:31.800	117GH105A106A4AJ	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,136:34:0
972	0	363	19:13:47.800	117GH105A106A4AK	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,136:58:0
973	0	363	19:15:21.800	117GH105A106A4AL	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,138:17:0
974	0	363	19:15:37.800	117GH105A106A4AM	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,138:41:0
975	0	363	19:17:11.800	117GH105A106A4AN	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,140:00:0
976	0	363	19:17:27.800	117GH105A106A4AO	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,140:24:0
977	0	363	19:19:01.800	117GH105A106A4AP	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,141:74:0
978	0	363	19:19:17.800	117GH105A106A4AQ	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,142:07:0
979	0	363	19:20:51.800	117GH105A106A4AR	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,143:57:0
980	0	363	19:21:07.800	117GH105A106A4AS	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,143:81:0
981	0	363	19:22:29.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2549.09 +/- 1	2R3	4	0	5,841,145:22:0
982	0	363	19:22:29.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,145:22:0
983	0	363	19:22:31.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2549.21 +/- 1	2R3	4	0	5,841,145:24:1
984	0	363	19:22:36.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2550.45 +/- 1	2R3	4	0	5,841,145:32:0
985	0	363	19:22:37.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2550.51 +/- 1	2R3	4	0	5,841,145:33:8
986	0	363	19:22:39.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2550.39 +/- 1	2R3	4	0	5,841,145:35:9
987	0	363	19:22:41.800	117GH105A106A4AT	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,145:40:0
988	0	363	19:22:57.800	117GH105A106A4AU	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,145:64:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	0	363	19:22:57.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2546.00 +/- 1	2R3	4	0	5,841,145:64:0	
990	0	363	19:23:20.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2540.68 +/- 1	2R3	4	0	5,841,146:07:0	
991	0	363	19:23:20.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,146:07:0	
992	0	363	19:23:21.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2540.62 +/- 1	2R3	4	0	5,841,146:08:8	
993	0	363	19:24:31.800	117GH105A106A4AV	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,147:23:0	
994	0	363	19:24:47.800	117GH105A106A4AW	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,147:47:0	
995	0	363	19:26:21.800	117GH105A106A4AX	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,149:06:0	
996	0	363	19:26:37.800	117GH105A106A4AY	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,149:30:0	
997	0	363	19:28:11.800	117GH105A106A4AZ	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,150:80:0	
998	0	363	19:28:27.800	117GH105A106A4BA	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,151:13:0	
999	0	363	19:30:01.800	117GH105A106A4BB	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,152:63:0	
1000	0	363	19:30:17.800	117GH105A106A4BC	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,152:87:0	
1001	0	363	19:31:51.800	117GH105A106A4BD	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,154:46:0	
1002	0	363	19:32:07.800	117GH105A106A4BE	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,154:70:0	
1003	0	363	19:33:41.800	117GH105A106A4BF	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,156:29:0	
1004	0	363	19:33:57.800	117GH105A106A4BG	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,156:53:0	
1005	0	363	19:35:31.800	117GH105A106A4BH	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,158:12:0	
1006	0	363	19:35:47.800	117GH105A106A4BI	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,158:36:0	
1007	0	363	19:36:54.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,159:45:0	
1008	0	363	19:36:54.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2540.62 +/- 1	2R3	4	0	5,841,159:45:0	
1009	0	363	19:36:55.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2540.74 +/- 1	2R3	4	0	5,841,159:47:1	
1010	0	363	19:37:01.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2541.98 +/- 1	2R3	4	0	5,841,159:55:0	
1011	0	363	19:37:02.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2542.04 +/- 1	2R3	4	0	5,841,159:56:8	
1012	0	363	19:37:03.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2541.92 +/- 1	2R3	4	0	5,841,159:58:9	
1013	0	363	19:37:21.800	117GH105A106A4BJ	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,159:86:0	
1014	0	363	19:37:22.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2537.53 +/- 1	2R3	4	0	5,841,159:87:0	
1015	0	363	19:37:37.800	117GH105A106A4BK	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,160:19:0	
1016	0	363	19:37:45.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,160:30:0	
1017	0	363	19:37:45.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2532.22 +/- 1	2R3	4	0	5,841,160:30:0	
1018	0	363	19:37:46.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2532.16 +/- 1	2R3	4	0	5,841,160:31:8	
1019	0	363	19:39:11.800	117GH105A106A4BL	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,161:69:0	
1020	0	363	19:39:27.800	117GH105A106A4BM	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,162:02:0	
1021	0	363	19:41:01.800	117GH105A106A4BN	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,163:52:0	
1022	0	363	19:41:17.800	117GH105A106A4BO	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,163:76:0	
1023	0	363	19:42:51.800	117GH105A106A4BP	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,165:35:0	
1024	0	363	19:43:07.800	117GH105A106A4BQ	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,165:59:0	
1025	0	363	19:44:41.800	117GH105A106A4BR	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,167:18:0	
1026	0	363	19:44:57.800	117GH105A106A4BS	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,167:42:0	
1027	0	363	19:46:31.800	117GH105A106A4BT	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,169:01:0	
1028	0	363	19:46:47.800	117GH105A106A4BU	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,169:25:0	
1029	0	363	19:48:21.800	117GH105A106A4BV	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,170:75:0	
1030	0	363	19:48:37.800	117GH105A106A4BW	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,171:08:0	
1031	0	363	19:50:11.800	117GH105A106A4BX	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,172:58:0	
1032	0	363	19:50:27.800	117GH105A106A4BY	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,172:82:0	
1033	0	363	19:51:19.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2532.16 +/- 1	2R3	4	0	5,841,173:68:0	
1034	0	363	19:51:19.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,173:68:0	
1035	0	363	19:51:20.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2532.28 +/- 1	2R3	4	0	5,841,173:70:1	
1036	0	363	19:51:25.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2533.51 +/- 1	2R3	4	0	5,841,173:78:0	
1037	0	363	19:51:27.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2533.57 +/- 1	2R3	4	0	5,841,173:79:8	
1038	0	363	19:51:28.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2533.45 +/- 1	2R3	4	0	5,841,173:81:9	
1039	0	363	19:51:47.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2529.06 +/- 1	2R3	4	0	5,841,174:19:0	
1040	0	363	19:52:01.800	117GH105A106A4BZ	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,174:41:0	
1041	0	363	19:52:09.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,174:53:0	
1042	0	363	19:52:09.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2523.75 +/- 1	2R3	4	0	5,841,174:53:0	
1043	0	363	19:52:11.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2523.69 +/- 1	2R3	4	0	5,841,174:54:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	0	363	19:52:17.800	117GH105A106A4CA	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,174:65:0	
1045	0	363	19:53:51.800	117GH105A106A4CB	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,176:24:0	
1046	0	363	19:54:07.800	117GH105A106A4CC	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,176:48:0	
1047	0	363	19:55:41.800	117GH105A106A4CD	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,178:07:0	
1048	0	363	19:55:57.800	117GH105A106A4CE	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,178:31:0	
1049	0	363	19:57:31.800	117GH105A106A4CF	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,179:81:0	
1050	0	363	19:57:47.800	117GH105A106A4CG	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,180:14:0	
1051	0	363	19:59:21.800	117GH105A106A4CH	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,181:64:0	
1052	0	363	19:59:37.800	117GH105A106A4CI	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,181:88:0	
1053	0	363	20:01:11.800	117GH105A106A4CJ	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,183:47:0	
1054	0	363	20:01:27.800	117GH105A106A4CK	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,183:71:0	
1055	0	363	20:03:01.800	117GH105A106A4CL	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,185:30:0	
1056	0	363	20:03:17.800	117GH105A106A4CM	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,185:54:0	
1057	0	363	20:04:51.800	117GH105A106A4CN	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,187:13:0	
1058	0	363	20:05:07.800	117GH105A106A4CO	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,187:37:0	
1059	0	363	20:05:43.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,188:00:0	
1060	0	363	20:05:43.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2523.69 +/- 1	2R3	4	0	5,841,188:00:0	
1061	0	363	20:05:45.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2523.81 +/- 1	2R3	4	0	5,841,188:02:1	
1062	0	363	20:05:50.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2525.04 +/- 1	2R3	4	0	5,841,188:10:0	
1063	0	363	20:05:51.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2525.10 +/- 1	2R3	4	0	5,841,188:11:8	
1064	0	363	20:05:53.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2524.98 +/- 1	2R3	4	0	5,841,188:13:9	
1065	0	363	20:06:11.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2520.59 +/- 1	2R3	4	0	5,841,188:42:0	
1066	0	363	20:06:34.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,188:76:0	
1067	0	363	20:06:34.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2515.28 +/- 1	2R3	4	0	5,841,188:76:0	
1068	0	363	20:06:35.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2515.22 +/- 1	2R3	4	0	5,841,188:77:8	
1069	0	363	20:06:41.800	117GH105A106A4CP	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,188:87:0	
1070	0	363	20:06:57.800	117GH105A106A4CQ	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,189:20:0	
1071	0	363	20:08:31.800	117GH105A106A4CR	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,190:70:0	
1072	0	363	20:08:47.800	117GH105A106A4CS	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,191:03:0	
1073	0	363	20:10:21.800	117GH105A106A4CT	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,192:53:0	
1074	0	363	20:10:37.800	117GH105A106A4CU	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,192:77:0	
1075	0	363	20:12:11.800	117GH105A106A4CV	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,194:36:0	
1076	0	363	20:12:27.800	117GH105A106A4CW	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,194:60:0	
1077	0	363	20:14:01.800	117GH105A106A4CX	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,196:19:0	
1078	0	363	20:14:17.800	117GH105A106A4CY	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,196:43:0	
1079	0	363	20:15:51.800	117GH105A106A4CZ	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,198:02:0	
1080	0	363	20:16:07.800	117GH105A106A4DA	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,198:26:0	
1081	0	363	20:17:41.800	117GH105A106A4DB	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,199:76:0	
1082	0	363	20:17:57.800	117GH105A106A4DC	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,200:09:0	
1083	0	363	20:19:31.800	117GH105A106A4DD	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,201:59:0	
1084	0	363	20:19:47.800	117GH105A106A4DE	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,201:83:0	
1085	0	363	20:20:07.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2515.22 +/- 1	2R3	4	0	5,841,202:22:0	
1086	0	363	20:20:07.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,202:22:0	
1087	0	363	20:20:09.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2515.34 +/- 1	2R3	4	0	5,841,202:24:1	
1088	0	363	20:20:14.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2516.57 +/- 1	2R3	4	0	5,841,202:32:0	
1089	0	363	20:20:15.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2516.63 +/- 1	2R3	4	0	5,841,202:33:8	
1090	0	363	20:20:17.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2516.51 +/- 1	2R3	4	0	5,841,202:35:9	
1091	0	363	20:20:35.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2512.12 +/- 1	2R3	4	0	5,841,202:64:0	
1092	0	363	20:20:58.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2506.81 +/- 1	2R3	4	0	5,841,203:07:0	
1093	0	363	20:20:58.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,203:07:0	
1094	0	363	20:20:59.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2506.75 +/- 1	2R3	4	0	5,841,203:08:8	
1095	0	363	20:21:21.800	117GH105A106A4DF	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,203:42:0	
1096	0	363	20:21:37.800	117GH105A106A4DG	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,203:66:0	
1097	0	363	20:23:11.800	117GH105A106A4DH	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,205:25:0	
1098	0	363	20:23:27.800	117GH105A106A4DI	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,205:49:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	0	363	20:25:01.800	117GH105A106A4DJ	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,207:08:0	
1100	0	363	20:25:17.800	117GH105A106A4DK	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,207:32:0	
1101	0	363	20:26:51.800	117GH105A106A4DL	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,208:82:0	
1102	0	363	20:27:07.800	117GH105A106A4DM	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,209:15:0	
1103	0	363	20:28:41.800	117GH105A106A4DN	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,210:65:0	
1104	0	363	20:28:57.800	117GH105A106A4DO	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,210:89:0	
1105	0	363	20:30:31.800	117GH105A106A4DP	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,212:48:0	
1106	0	363	20:30:47.800	117GH105A106A4DQ	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,212:72:0	
1107	0	363	20:32:21.800	117GH105A106A4DR	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,214:31:0	
1108	0	363	20:32:37.800	117GH105A106A4DS	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,214:55:0	
1109	0	363	20:34:11.800	117GH105A106A4DT	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,216:14:0	
1110	0	363	20:34:27.800	117GH105A106A4DU	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,216:38:0	
1111	0	363	20:34:32.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2506.75 +/- 1	2R3	4	0	5,841,216:45:0	
1112	0	363	20:34:32.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,216:45:0	
1113	0	363	20:34:33.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2506.87 +/- 1	2R3	4	0	5,841,216:47:1	
1114	0	363	20:34:39.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2508.10 +/- 1	2R3	4	0	5,841,216:55:0	
1115	0	363	20:34:40.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2508.16 +/- 1	2R3	4	0	5,841,216:56:8	
1116	0	363	20:34:41.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2508.04 +/- 1	2R3	4	0	5,841,216:58:9	
1117	0	363	20:35:00.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2503.65 +/- 1	2R3	4	0	5,841,216:87:0	
1118	0	363	20:35:23.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2498.34 +/- 1	2R3	4	0	5,841,217:30:0	
1119	0	363	20:35:23.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,217:30:0	
1120	0	363	20:35:24.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2498.28 +/- 1	2R3	4	0	5,841,217:31:8	
1121	0	363	20:36:01.800	117GH105A106A4DV	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,217:88:0	
1122	0	363	20:36:17.800	117GH105A106A4DW	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,218:21:0	
1123	0	363	20:37:51.800	117GH105A106A4DX	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,219:71:0	
1124	0	363	20:38:07.800	117GH105A106A4DY	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,220:04:0	
1125	0	363	20:39:41.800	117GH105A106A4DZ	7STRP	0.00015,0.027943	Slew =12.01	2R3	4	0	5,841,221:54:0	
1126	0	363	20:39:57.800	117GH105A106A4EA	7STRP	0.0,-0.027913,0,	Slew =,0.42	2R3	4	0	5,841,221:78:0	
1127	0	363	20:41:31.800	117GH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,841,223:37:0	
1128	0	363	20:43:38.466	176GH6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,841,225:45:0	
1129	0	363	20:43:40.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2498.28 +/- 1	2R3	4	0	5,841,225:48:0	
1130	0	363	20:43:40.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,225:48:0	
1131	0	363	20:43:41.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2498.40 +/- 1	2R3	4	0	5,841,225:50:1	
1132	0	363	20:43:47.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2499.64 +/- 1	2R3	4	0	5,841,225:58:0	
1133	0	363	20:43:48.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2499.70 +/- 1	2R3	4	0	5,841,225:59:8	
1134	0	363	20:43:49.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2499.58 +/- 1	2R3	4	0	5,841,225:61:9	
1135	0	363	20:43:50.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2499.40 +/- 1	2R3	4	0	5,841,225:63:0	
1136	0	363	20:44:07.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,225:88:0	
1137	0	363	20:44:07.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2495.50 +/- 1	2R3	4	0	5,841,225:88:0	
1138	0	363	20:44:08.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2495.44 +/- 1	2R3	4	0	5,841,225:89:8	
1139	0	363	21:38:44.466	165GJ4A	7SCAN	NORM,309.544998,	Check S/P Position	2R3	4	0	5,841,279:90:0	
1140	0	363	21:41:47.133	176GJ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,841,283:00:0	
1141	0	363	21:42:38.466	117GJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,841,283:77:0	
1142	0	363	21:42:47.800	117GJ105A106A4A	7STRP	0.0016,-0.0034,0	Slew =,0.08	2R3	4	0	5,841,284:00:0	
1143	0	363	21:43:36.466	117GJ105A106A4B	7STRP	0.0003,0.0033,0,	Slew =12.01	2R3	4	0	5,841,284:73:0	
1144	0	363	21:43:49.800	117GJ105A106A4C	7STRP	0.0016,-0.0034,0	Slew =,0.08	2R3	4	0	5,841,285:02:0	
1145	0	363	21:44:38.466	117GJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,841,285:75:0	
1146	0	363	21:46:19.800	176GJ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,841,287:45:0	
1147	0	363	21:46:21.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,287:48:0	
1148	0	363	21:46:21.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2495.44 +/- 1	2R3	4	0	5,841,287:48:0	
1149	0	363	21:46:23.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2495.56 +/- 1	2R3	4	0	5,841,287:50:1	
1150	0	363	21:46:28.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2496.79 +/- 1	2R3	4	0	5,841,287:58:0	
1151	0	363	21:46:29.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2496.85 +/- 2	2R3	4	0	5,841,287:59:8	
1152	0	363	21:46:31.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2496.73 +/- 2	2R3	4	0	5,841,287:61:9	
1153	0	363	21:46:31.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2496.56 +/- 2	2R3	4	0	5,841,287:63:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	0	363	21:46:44.466		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *2493.59 +/- 2	2R3	4	0	5,841,287:82:0	
1155	0	363	21:46:44.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,287:82:0	
1156	0	363	21:46:45.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2493.53 +/- 2	2R3	4	0	5,841,287:83:8	
1157	0	363	22:29:59.800	480SC6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,841,330:62:0	
1158	**0**	**363**	**22:33:06.000**	**29NNGLOBAL03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1159	**0**	**363**	**22:33:06.466**	**20DE5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,841,333:69:0**	
1160	**0**	**363**	**22:33:13.800**	**20DE5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,841,333:80:0**	
1161	0	363	22:33:20.466	165DE4A	**7SCAN**	**NORM,68.737,25.0**	**Check S/P Position**		4	0	5,841,333:90:0	
1162	**0**	**363**	**22:33:21.800**	**20DE6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,841,334:01:0**	
1163	**0**	**363**	**22:33:25.199**	**29GNGLOBAL03-**		**-----START------**			**4**	**0**	**: :**	
1164	**0**	**363**	**22:33:31.800**	**20DE6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,841,334:16:0**	
1165	**0**	**363**	**22:33:41.800**	**20DE5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,841,334:31:0**	
1166	**0**	**363**	**22:33:43.133**	**20DE5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,841,334:33:0**	
1167	**0**	**363**	**22:34:14.466**	**20DE4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,841,334:80:0**	
1168	**0**	**363**	**22:34:15.000**	**29NNGLOBAL03-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
1169	**0**	**363**	**22:35:17.800**	**125DE4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,841,335:84:0**	
1170	0	363	22:35:17.800	125DE11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,841,335:84:0	
1171	0	363	22:35:17.800	125DE	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,841,335:84:0	
1172	0	363	22:36:18.466	127DE	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,841,336:84:0	
1173	**0**	**363**	**22:36:18.466**	**127DE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,841,336:84:0**	
1174	**0**	**363**	**22:36:19.133**	**127DE4B**	**37ETB**	**0A,CA,18,39,FF,1**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,841,336:85:0**	
1175	0	363	22:36:27.133	127DE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,841,337:06:0	
1176	0	363	22:36:39.800	480SC6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,841,337:25:0	
1177	0	363	22:37:11.800	175DE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,337:73:0	
1178	0	363	22:37:11.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2493.53 +/- 2	2R3	4	0	5,841,337:73:0	
1179	0	363	22:37:13.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2493.65 +/- 2	2R3	4	0	5,841,337:75:1	
1180	0	363	22:37:14.466	117DE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,841,337:77:0	
1181	0	363	22:37:18.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2494.89 +/- 2	2R3	4	0	5,841,337:83:0	
1182	0	363	22:37:19.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2494.95 +/- 2	2R3	4	0	5,841,337:84:8	
1183	0	363	22:37:20.466	175DE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	5,841,337:86:0	
1184	0	363	22:37:21.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2494.83 +/- 2	2R3	4	0	5,841,337:86:9	
1185	0	363	22:37:21.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2494.83 +/- 2	2R3	4	0	5,841,337:86:9	
1186	**0**	**363**	**22:37:23.133**	**29GNGLOBAL03-**	**NIMPBK**	**301DE**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1187	0	363	22:37:23.800	117DE105A106A4A	7STRP	-0.013501,-0.000	Slew =,0.02	2R3	4	0	5,841,338:00:0	
1188	**0**	**363**	**22:39:06.466**	**29GNGLOBAL03-**	**NIMPBK**	**301EA**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1189	**0**	**363**	**22:39:41.800**	**29GNGLOBAL03-**	**DESELC**	**300EA**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1190	**0**	**363**	**22:41:50.466**	**29GNGLOBAL03-**	**NIMPBK**	**301EC**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1191	**0**	**363**	**22:42:04.466**	**29GNGLOBAL03-**	**DESELC**	**300EC**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1192	**0**	**363**	**22:45:06.466**	**29GNGLOBAL03-**	**DESELC**	**300DE**	**GANYMEDE GLOBAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1193	0	363	22:45:16.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2383.40 +/- 2	2R3	4	0	5,841,345:72:0	
1194	0	363	22:45:16.466	175DE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,841,345:72:0	
1195	0	363	22:45:16.466	175DE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,345:72:0	
1196	0	363	22:45:17.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2383.34 +/- 2	2R3	4	0	5,841,345:73:8	
1197	0	363	22:48:44.466	117DE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,841,349:20:0	
1198	**0**	**363**	**22:49:35.866**	**29GNGLOBAL03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1199	0	363	23:04:41.133	165GK4A	7SCAN	NORM,320.386997,	Check S/P Position	2R3	4	0	5,841,364:90:0	
1200	0	363	23:07:43.800	176GK6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,841,368:00:0	
1201	0	363	23:08:35.133	117GK	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,841,368:77:0	
1202	0	363	23:08:44.466	117GK105A106A4A	7STRP	0.0016,-0.0033,0	Slew =,0.08	2R3	4	0	5,841,369:00:0	
1203	0	363	23:09:33.133	117GK105A106A4B	7STRP	0.0004,0.0032,0,	Slew =12.01	2R3	4	0	5,841,369:73:0	
1204	0	363	23:09:46.466	117GK105A106A4C	7STRP	0.0016,-0.0033,0	Slew =,0.08	2R3	4	0	5,841,370:02:0	
1205	0	363	23:10:35.133	117GK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,841,370:75:0	
1206	**0**	**363**	**23:12:01.000**	**29NNIWATCH01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1207	**0**	**363**	**23:12:01.133**	**20DF5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,841,372:22:0**	
1208	**0**	**363**	**23:12:02.466**	**20DF5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,841,372:24:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	**0**	**363**	**23:12:04.466**	**20DF6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,841,372:27:0**	
1210	**0**	**363**	**23:12:14.466**	**20DF6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,841,372:42:0**	
1211	0	363	23:12:16.466	176GK6B	6TMREC	**NRC**	NO RECORD Record Mode Change		4	0	5,841,372:45:0	
1212	0	363	23:12:18.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2383.34 +/- 2		4	0	5,841,372:48:0	
1213	0	363	23:12:18.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps		4	0	5,841,372:48:0	
1214	0	363	23:12:19.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2383.46 +/- 2		4	0	5,841,372:50:1	
1215	0	363	23:12:25.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2384.70 +/- 2		4	0	5,841,372:58:0	
1216	0	363	23:12:26.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2384.76 +/- 2		4	0	5,841,372:59:8	
1217	0	363	23:12:27.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2384.64 +/- 2		4	0	5,841,372:61:9	
1218	**0**	**363**	**23:12:27.800**	**20DF5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,841,372:62:0**	
1219	0	363	23:12:28.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2384.47 +/- 2		4	0	5,841,372:63:0	
1220	**0**	**363**	**23:12:31.133**	**20DF5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,841,372:67:0**	
1221	0	363	23:12:41.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	260	4	0	5,841,372:82:0	
1222	0	363	23:12:41.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2381.50 +/- 2	260	4	0	5,841,372:82:0	
1223	0	363	23:12:42.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2381.44 +/- 2	260	4	0	5,841,372:83:8	
1224	**0**	**363**	**23:13:02.466**	**20DF4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,841,373:23:0**	
1225	**0**	**363**	**23:13:03.000**	**29NNIWATCH01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
1226	0	363	23:13:47.133	165DF4A	**7SCAN**	**NORM,321.767998,**	**Check S/P Position**	2R0	4	0	5,841,373:90:0	
1227	**0**	**363**	**23:13:51.800**	**29INIWATCH01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
1228	**0**	**363**	**23:15:44.466**	**125DF4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,841,375:84:0**	
1229	0	363	23:15:44.466	125DF	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,841,375:84:0	
1230	0	363	23:15:44.466	125DF11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,841,375:84:0	
1231	0	363	23:16:45.133	127DF	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,841,376:84:0	
1232	**0**	**363**	**23:16:45.133**	**127DF4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,841,376:84:0**	
1233	**0**	**363**	**23:16:45.800**	**127DF4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,841,376:85:0**	
1234	0	363	23:16:53.800	127DF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,841,377:06:0	
1235	0	363	23:17:35.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2381.44 +/- 2	2R3	4	0	5,841,377:69:0	
1236	0	363	23:17:35.800	175DF422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,841,377:69:0	
1237	0	363	23:17:37.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2381.56 +/- 2	2R3	4	0	5,841,377:71:1	
1238	0	363	23:17:41.133	117DF	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,841,377:77:0	
1239	0	363	23:17:42.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2382.79 +/- 2	2R3	4	0	5,841,377:79:0	
1240	0	363	23:17:43.666		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *2382.85 +/- 2	2R3	4	0	5,841,377:80:8	
1241	0	363	23:17:47.133	175DF176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,841,377:86:0	
1242	0	363	23:17:47.666		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 2381.35 +/- 2	2R3	4	0	5,841,377:86:8	
1243	0	363	23:17:47.666		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *2381.35 +/- 2	2R3	4	0	5,841,377:86:8	
1244	0	363	23:17:49.133	165DF4B	7VECT		Inert vect update UTC	2R3	4	0	5,841,377:89:0	
1245	**0**	**363**	**23:17:49.800**	**29INIWATCH01-**	**NIMPBK**	**301DF**	**IO MONITORING OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1246	0	363	23:17:50.466	117DF105A106A4A	7STRP	-0.0052,0.0,0,0,	Slew =,0.03	2R3	4	0	5,841,378:00:0	
1247	**0**	**363**	**23:18:49.800**	**29INIWATCH01-**	**NIMPBK**	**301FG**	**IO MONITORING OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1248	**0**	**363**	**23:19:53.800**	**29INIWATCH01-**	**DESELC**	**300FG**	**IO MONITORING OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1249	0	363	23:20:49.133	117DF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,841,380:86:0	
1250	**0**	**363**	**23:20:49.800**	**29INIWATCH01-**	**DESELC**	**300DF**	**IO MONITORING OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1251	0	363	23:20:52.466		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *2218.93 +/- 2	2R3	4	0	5,841,381:00:0	
1252	0	363	23:20:52.466	175DF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,381:00:0	
1253	0	363	23:20:53.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2218.63 +/- 2	2R3	4	0	5,841,381:01:8	
1254	**0**	**363**	**23:20:56.467**	**29INIWATCH01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1255	0	363	23:59:59.800	488AH6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R3	4	0	5,841,419:63:0	
1256	0	364	01:01:58.466	165GI4A	7SCAN	NORM,325.703999,	Check S/P Position	2R3	4	0	5,841,480:90:0	
1257	0	364	01:01:59.133	176GI6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,841,481:00:0	
1258	0	364	01:02:50.466	117GI	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,841,481:77:0	
1259	0	364	01:02:59.800	117GI105A106A4A	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,482:00:0	
1260	0	364	01:05:49.800	117GI105A106A4B	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,484:73:0	
1261	0	364	01:06:06.466	117GI105A106A4C	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,485:07:0	
1262	0	364	01:08:56.466	117GI105A106A4D	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,487:80:0	
1263	0	364	01:09:13.133	117GI105A106A4E	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,488:14:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1264	0	364	01:12:03.133	117GI105A106A4F	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,490:87:0
1265	0	364	01:12:19.800	117GI105A106A4G	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,491:21:0
1266	0	364	01:15:09.800	117GI105A106A4H	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,494:03:0
1267	0	364	01:15:26.466	117GI105A106A4I	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,494:28:0
1268	0	364	01:15:53.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2218.63 +/- 2	2R3	4	0	5,841,494:68:0
1269	0	364	01:15:53.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,494:68:0
1270	0	364	01:15:54.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2218.75 +/- 2	2R3	4	0	5,841,494:70:1
1271	0	364	01:15:59.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2219.98 +/- 2	2R3	4	0	5,841,494:78:0
1272	0	364	01:16:01.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2220.04 +/- 2	2R3	4	0	5,841,494:79:8
1273	0	364	01:16:02.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2219.92 +/- 2	2R3	4	0	5,841,494:81:9
1274	0	364	01:16:21.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2215.53 +/- 2	2R3	4	0	5,841,495:19:0
1275	0	364	01:16:43.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2210.22 +/- 2	2R3	4	0	5,841,495:53:0
1276	0	364	01:16:43.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,495:53:0
1277	0	364	01:16:45.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2210.16 +/- 2	2R3	4	0	5,841,495:54:8
1278	0	364	01:18:16.466	117GI105A106A4J	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,497:10:0
1279	0	364	01:18:33.133	117GI105A106A4K	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,497:35:0
1280	0	364	01:21:23.133	117GI105A106A4L	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,500:17:0
1281	0	364	01:21:39.800	117GI105A106A4M	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,500:42:0
1282	0	364	01:24:29.800	117GI105A106A4N	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,503:24:0
1283	0	364	01:24:46.466	117GI105A106A4O	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,503:49:0
1284	0	364	01:27:36.466	117GI105A106A4P	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,506:31:0
1285	0	364	01:27:53.133	117GI105A106A4Q	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,506:56:0
1286	0	364	01:30:17.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,508:90:0
1287	0	364	01:30:17.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2210.16 +/- 2	2R3	4	0	5,841,508:90:0
1288	0	364	01:30:18.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2210.28 +/- 2	2R3	4	0	5,841,509:01:1
1289	0	364	01:30:23.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2211.52 +/- 2	2R3	4	0	5,841,509:09:0
1290	0	364	01:30:25.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2211.58 +/- 2	2R3	4	0	5,841,509:10:8
1291	0	364	01:30:26.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2211.46 +/- 2	2R3	4	0	5,841,509:12:9
1292	0	364	01:30:43.133	117GI105A106A4R	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,509:38:0
1293	0	364	01:30:45.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2207.06 +/- 2	2R3	4	0	5,841,509:41:0
1294	0	364	01:30:59.800	117GI105A106A4S	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,509:63:0
1295	0	364	01:31:07.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,509:75:0
1296	0	364	01:31:07.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2201.75 +/- 2	2R3	4	0	5,841,509:75:0
1297	0	364	01:31:09.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2201.69 +/- 2	2R3	4	0	5,841,509:76:8
1298	0	364	01:33:49.800	117GI105A106A4T	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,512:45:0
1299	0	364	01:34:06.466	117GI105A106A4U	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,512:70:0
1300	0	364	01:36:56.466	117GI105A106A4V	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,515:52:0
1301	0	364	01:37:13.133	117GI105A106A4W	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,515:77:0
1302	0	364	01:40:03.133	117GI105A106A4X	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,518:59:0
1303	0	364	01:40:19.800	117GI105A106A4Y	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,518:84:0
1304	0	364	01:41:41.133	488AH6B	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2R3	4	0	5,841,520:24:0
1305	0	364	01:43:09.800	117GI105A106A4Z	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,521:66:0
1306	0	364	01:43:26.466	117GI105A106A4AA	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,522:00:0
1307	0	364	01:44:41.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2201.69 +/- 2	2R3	4	0	5,841,523:22:0
1308	0	364	01:44:41.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,523:22:0
1309	0	364	01:44:43.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2201.81 +/- 2	2R3	4	0	5,841,523:24:1
1310	0	364	01:44:48.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2203.05 +/- 2	2R3	4	0	5,841,523:32:0
1311	0	364	01:44:49.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2203.11 +/- 2	2R3	4	0	5,841,523:33:8
1312	0	364	01:44:51.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2202.99 +/- 2	2R3	4	0	5,841,523:35:9
1313	0	364	01:45:09.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2198.60 +/- 2	2R3	4	0	5,841,523:64:0
1314	0	364	01:45:32.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,524:07:0
1315	0	364	01:45:32.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2193.28 +/- 2	2R3	4	0	5,841,524:07:0
1316	0	364	01:45:33.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2193.22 +/- 2	2R3	4	0	5,841,524:08:8
1317	0	364	01:46:16.466	117GI105A106A4AB	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,524:73:0
1318	0	364	01:46:33.133	117GI105A106A4AC	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,525:07:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1319	0	364	01:49:23.133	117GI105A106A4AD	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,527:80:0
1320	0	364	01:49:39.800	117GI105A106A4AE	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,528:14:0
1321	0	364	01:52:29.800	117GI105A106A4AF	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,530:87:0
1322	0	364	01:52:46.466	117GI105A106A4AG	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,531:21:0
1323	0	364	01:55:36.466	117GI105A106A4AH	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,534:03:0
1324	0	364	01:55:53.133	117GI105A106A4AI	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,534:28:0
1325	0	364	01:58:43.133	117GI105A106A4AJ	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,537:10:0
1326	0	364	01:58:59.800	117GI105A106A4AK	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,537:35:0
1327	0	364	01:59:06.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2193.22 +/- 2	2R3	4	0	5,841,537:45:0
1328	0	364	01:59:06.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,537:45:0
1329	0	364	01:59:07.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2193.34 +/- 2	2R3	4	0	5,841,537:47:1
1330	0	364	01:59:13.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2194.58 +/- 2	2R3	4	0	5,841,537:55:0
1331	0	364	01:59:14.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2194.64 +/- 2	2R3	4	0	5,841,537:56:8
1332	0	364	01:59:15.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2194.52 +/- 2	2R3	4	0	5,841,537:58:9
1333	0	364	01:59:34.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2190.13 +/- 2	2R3	4	0	5,841,537:87:0
1334	0	364	01:59:57.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,538:30:0
1335	0	364	01:59:57.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2184.81 +/- 2	2R3	4	0	5,841,538:30:0
1336	0	364	01:59:58.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2184.75 +/- 2	2R3	4	0	5,841,538:31:8
1337	0	364	02:01:49.800	117GI105A106A4AL	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,540:17:0
1338	0	364	02:02:06.466	117GI105A106A4AM	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,540:42:0
1339	0	364	02:04:56.466	117GI105A106A4AN	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,543:24:0
1340	0	364	02:05:13.133	117GI105A106A4AO	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,543:49:0
1341	0	364	02:08:03.133	117GI105A106A4AP	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,546:31:0
1342	0	364	02:08:19.800	117GI105A106A4AQ	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,546:56:0
1343	0	364	02:11:09.800	117GI105A106A4AR	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,549:38:0
1344	0	364	02:11:26.466	117GI105A106A4AS	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,549:63:0
1345	0	364	02:13:31.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,551:68:0
1346	0	364	02:13:31.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2184.75 +/- 2	2R3	4	0	5,841,551:68:0
1347	0	364	02:13:32.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2184.87 +/- 2	2R3	4	0	5,841,551:70:1
1348	0	364	02:13:37.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2186.11 +/- 2	2R3	4	0	5,841,551:78:0
1349	0	364	02:13:39.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2186.17 +/- 2	2R3	4	0	5,841,551:79:8
1350	0	364	02:13:40.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2186.05 +/- 2	2R3	4	0	5,841,551:81:9
1351	0	364	02:13:59.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2181.66 +/- 2	2R3	4	0	5,841,552:19:0
1352	0	364	02:14:16.466	117GI105A106A4AT	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,552:45:0
1353	0	364	02:14:21.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2176.35 +/- 2	2R3	4	0	5,841,552:53:0
1354	0	364	02:14:21.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,552:53:0
1355	0	364	02:14:23.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2176.29 +/- 2	2R3	4	0	5,841,552:54:8
1356	0	364	02:14:33.133	117GI105A106A4AU	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,552:70:0
1357	0	364	02:17:23.133	117GI105A106A4AV	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,555:52:0
1358	0	364	02:17:39.800	117GI105A106A4AW	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,555:77:0
1359	0	364	02:20:29.800	117GI105A106A4AX	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,558:59:0
1360	0	364	02:20:46.466	117GI105A106A4AY	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,558:84:0
1361	0	364	02:23:36.466	117GI105A106A4AZ	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,561:66:0
1362	0	364	02:23:53.133	117GI105A106A4BA	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,562:00:0
1363	0	364	02:25:20.466	488AH6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R3	4	0	5,841,563:40:0
1364	0	364	02:26:43.133	117GI105A106A4BB	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,564:73:0
1365	0	364	02:26:59.800	117GI105A106A4BC	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,565:07:0
1366	0	364	02:27:55.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2176.29 +/- 2	2R3	4	0	5,841,566:00:0
1367	0	364	02:27:55.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,566:00:0
1368	0	364	02:27:57.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2176.41 +/- 2	2R3	4	0	5,841,566:02:1
1369	0	364	02:28:02.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2177.64 +/- 2	2R3	4	0	5,841,566:10:0
1370	0	364	02:28:03.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2177.70 +/- 2	2R3	4	0	5,841,566:11:8
1371	0	364	02:28:05.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2177.58 +/- 2	2R3	4	0	5,841,566:13:9
1372	0	364	02:28:23.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2173.19 +/- 2	2R3	4	0	5,841,566:42:0
1373	0	364	02:28:46.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2167.88 +/- 2	2R3	4	0	5,841,566:76:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	0	364	02:28:46.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,566:76:0	
1375	0	364	02:28:47.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2167.82 +/- 2	2R3	4	0	5,841,566:77:8	
1376	0	364	02:29:49.800	117GI105A106A4BD	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,567:80:0	
1377	0	364	02:30:06.466	117GI105A106A4BE	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,568:14:0	
1378	0	364	02:32:56.466	117GI105A106A4BF	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,570:87:0	
1379	0	364	02:33:13.133	117GI105A106A4BG	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,571:21:0	
1380	0	364	02:36:03.133	117GI105A106A4BH	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,574:03:0	
1381	0	364	02:36:19.800	117GI105A106A4BI	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,574:28:0	
1382	0	364	02:39:09.800	117GI105A106A4BJ	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,577:10:0	
1383	0	364	02:39:26.466	117GI105A106A4BK	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,577:35:0	
1384	0	364	02:42:16.466	117GI105A106A4BL	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,580:17:0	
1385	0	364	02:42:19.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,580:22:0	
1386	0	364	02:42:19.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2167.82 +/- 2	2R3	4	0	5,841,580:22:0	
1387	0	364	02:42:21.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2167.94 +/- 2	2R3	4	0	5,841,580:24:1	
1388	0	364	02:42:26.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2169.17 +/- 2	2R3	4	0	5,841,580:32:0	
1389	0	364	02:42:27.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2169.23 +/- 2	2R3	4	0	5,841,580:33:8	
1390	0	364	02:42:29.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2169.11 +/- 2	2R3	4	0	5,841,580:35:9	
1391	0	364	02:42:33.133	117GI105A106A4BM	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,580:42:0	
1392	0	364	02:42:47.800		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *2164.72 +/- 2	2R3	4	0	5,841,580:64:0	
1393	0	364	02:43:10.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,581:07:0	
1394	0	364	02:43:10.466		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *2159.41 +/- 2	2R3	4	0	5,841,581:07:0	
1395	0	364	02:43:11.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2159.35 +/- 2	2R3	4	0	5,841,581:08:8	
1396	0	364	02:45:23.133	117GI105A106A4BN	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,583:24:0	
1397	0	364	02:45:39.800	117GI105A106A4BO	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,583:49:0	
1398	0	364	02:48:29.800	117GI105A106A4BP	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,586:31:0	
1399	0	364	02:48:46.466	117GI105A106A4BQ	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,586:56:0	
1400	0	364	02:51:36.466	117GI105A106A4BR	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,589:38:0	
1401	0	364	02:51:53.133	117GI105A106A4BS	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,589:63:0	
1402	0	364	02:54:43.133	117GI105A106A4BT	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,592:45:0	
1403	0	364	02:54:59.800	117GI105A106A4BU	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,592:70:0	
1404	0	364	02:56:44.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2159.35 +/- 2	2R3	4	0	5,841,594:45:0	
1405	0	364	02:56:44.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,594:45:0	
1406	0	364	02:56:45.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2159.47 +/- 2	2R3	4	0	5,841,594:47:1	
1407	0	364	02:56:51.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2160.70 +/- 2	2R3	4	0	5,841,594:55:0	
1408	0	364	02:56:52.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2160.76 +/- 2	2R3	4	0	5,841,594:56:8	
1409	0	364	02:56:53.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2160.64 +/- 2	2R3	4	0	5,841,594:58:9	
1410	0	364	02:57:12.466		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *2156.25 +/- 2	2R3	4	0	5,841,594:87:0	
1411	0	364	02:57:35.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,595:30:0	
1412	0	364	02:57:35.133		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *2150.94 +/- 2	2R3	4	0	5,841,595:30:0	
1413	0	364	02:57:36.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2150.88 +/- 2	2R3	4	0	5,841,595:31:8	
1414	0	364	02:57:49.800	117GI105A106A4BV	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,595:52:0	
1415	0	364	02:58:06.466	117GI105A106A4BW	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,595:77:0	
1416	0	364	03:00:56.466	117GI105A106A4BX	7STRP	0.011,0.050774,0	Slew =12.01	2R3	4	0	5,841,598:59:0	
1417	0	364	03:01:13.133	117GI105A106A4BY	7STRP	-0.006,-0.051045	Slew =,0.31	2R3	4	0	5,841,598:84:0	
1418	0	364	03:04:03.133	117GI11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,841,601:66:0	
1419	0	364	03:04:34.000	29NNGRWAKE01-		-----START------		2R3	4	0	: :	
1420	0	364	03:04:34.466	20DG5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,841,602:22:0	
1421	0	364	03:04:35.800	20DG5B	37MRL		Memory Realocate (software operates from R		4	0	5,841,602:24:0	
1422	0	364	03:04:37.800	20DG6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,841,602:27:0	
1423	0	364	03:04:47.800	20DG6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,841,602:42:0	
1424	0	364	03:05:01.133	20DG5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,841,602:62:0	
1425	0	364	03:05:04.466	20DG5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,841,602:67:0	
1426	0	364	03:05:35.800	20DG4A	37IST	1,2,0,OFF,0,1,0	Chopper ON, Sync, Chopper (Ref)Gain State	2R0	4	0	5,841,603:23:0	
1427	0	364	03:05:36.000	29NNGRWAKE01-		-----STOP-------		2R0	4	0	: :	
1428	0	364	03:05:50.466	176GI6B	6TMREC	NRC	NO RECORD Record Mode Change	2R0	4	0	5,841,603:45:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	0	364	03:05:52.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2150.88 +/- 2	2R0	4	0	5,841,603:48:0	
1430	0	364	03:05:52.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	5,841,603:48:0	
1431	0	364	03:05:53.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2151.00 +/- 2	2R0	4	0	5,841,603:50:1	
1432	0	364	03:05:59.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2152.23 +/- 2	2R0	4	0	5,841,603:58:0	
1433	0	364	03:06:00.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2152.29 +/- 2	2R0	4	0	5,841,603:59:8	
1434	0	364	03:06:01.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2152.17 +/- 2	2R0	4	0	5,841,603:61:9	
1435	0	364	03:06:02.466		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *2152.00 +/- 2	2R0	4	0	5,841,603:63:0	
1436	0	364	03:06:19.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	5,841,603:88:0	
1437	0	364	03:06:19.133		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *2148.10 +/- 2	2R0	4	0	5,841,603:88:0	
1438	0	364	03:06:20.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2148.04 +/- 2	2R0	4	0	5,841,603:89:8	
1439	0	364	03:06:20.466	165DG4A	7SCAN	NORM,335.964996,	Check S/P Position	2R0	4	0	5,841,603:90:0	
1440	0	364	03:06:25.133	29JNGRWAKE01-		-----START------		2R0	4	0	: :	
1441	0	364	03:07:12.466	117DG	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	5,841,604:77:0	
1442	0	364	03:07:17.133	127DG4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,841,604:84:0	
1443	0	364	03:07:17.133	127DG	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,841,604:84:0	
1444	0	364	03:07:17.800	127DG4B	37ETB	07,C7,30,3C,D7,0	Loads wavelength edit table	2R3	4	0	5,841,604:85:0	
1445	0	364	03:07:21.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2148.04 +/- 2	2R3	4	0	5,841,604:90:0	
1446	0	364	03:07:21.133	175DG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,604:90:0	
1447	0	364	03:07:21.800	117DG105A106A4A	7STRP	-0.00775,0.0012,	Slew =,0.01	2R3	4	0	5,841,605:00:0	
1448	0	364	03:07:22.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2148.16 +/- 2	2R3	4	0	5,841,605:01:1	
1449	0	364	03:07:25.800	127DG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,841,605:06:0	
1450	0	364	03:07:27.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2149.39 +/- 2	2R3	4	0	5,841,605:09:0	
1451	0	364	03:07:29.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2149.45 +/- 2	2R3	4	0	5,841,605:10:8	
1452	0	364	03:07:29.800	175DG176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	5,841,605:12:0	
1453	0	364	03:07:30.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2149.33 +/- 2	2R3	4	0	5,841,605:12:9	
1454	0	364	03:07:30.400		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *2149.33 +/- 2	2R3	4	0	5,841,605:12:9	
1455	0	364	03:07:31.133	29JNGRWAKE01-	NIMPBK	301DG	JUPITER GRS WAKE OBSERVATION	2R3	4	0	: :	
1456	0	364	03:20:22.466	117DG105A106A4B	7STRP	0.027007,-0.009,	Slew =12.01	2R3	4	0	5,841,617:79:0	
1457	0	364	03:20:34.466	117DG105A106A4C	7STRP	-0.00775,0.0012,	Slew =,0.01	2R3	4	0	5,841,618:06:0	
1458	0	364	03:26:38.466	29JNGRWAKE01-		-----STOP-------		2R3	4	0	: :	
1459	0	364	03:33:17.133	29JNGRWAKE01-	DESELC	300DG	JUPITER GRS WAKE OBSERVATION	2R3	4	0	: :	
1460	0	364	03:33:27.133	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,630:73:0	
1461	0	364	03:33:27.133		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *1784.47 +/- 2	2R3	4	0	5,841,630:73:0	
1462	0	364	03:33:27.133	175DG6A	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,841,630:73:0	
1463	0	364	03:33:28.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1784.41 +/- 2	2R3	4	0	5,841,630:74:8	
1464	0	364	03:33:35.133	117DG11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,841,630:85:0	
1465	0	364	03:47:33.000	29NNIWATCH02-		-----START------		2R3	4	0	: :	
1466	0	364	03:47:33.800	20DH5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,841,644:69:0	
1467	0	364	03:47:41.133	20DH5B	37MRL		Memory Realocate (software operates from R		4	0	5,841,644:80:0	
1468	0	364	03:47:49.133	20DH6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,841,645:01:0	
1469	0	364	03:47:59.133	20DH6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,841,645:16:0	
1470	0	364	03:48:09.133	20DH5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,841,645:31:0	
1471	0	364	03:48:10.466	20DH5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,841,645:33:0	
1472	0	364	03:48:41.800	20DH4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,841,645:80:0	
1473	0	364	03:48:42.000	29NNIWATCH02-		-----STOP-------		2R0	4	0	: :	
1474	0	364	03:48:48.466	165DH4A	7SCAN	NORM,356.681999,	Check S/P Position	2R0	4	0	5,841,645:90:0	
1475	0	364	03:48:53.133	29INIWATCH02-		-----START------		2R0	4	0	: :	
1476	0	364	03:49:45.133	125DH4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,841,646:84:0	
1477	0	364	03:49:45.133	125DH11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,841,646:84:0	
1478	0	364	03:49:45.133	125DH	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,841,646:84:0	
1479	0	364	03:50:45.800	127DH	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,841,647:84:0	
1480	0	364	03:50:45.800	127DH4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,841,647:84:0	
1481	0	364	03:50:46.466	127DH4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,841,647:85:0	
1482	0	364	03:50:54.466	127DH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,841,648:06:0	
1483	0	364	03:52:37.133	175DH422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,841,649:69:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1484	0	364	03:52:37.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1784.41 +/- 2	2R3	4	0	5,841,649:69:0
1485	0	364	03:52:38.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1784.53 +/- 2	2R3	4	0	5,841,649:71:1
1486	0	364	03:52:42.466	117DH	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,841,649:77:0
1487	0	364	03:52:43.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1785.77 +/- 2	2R3	4	0	5,841,649:79:0
1488	0	364	03:52:45.000		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *1785.83 +/- 2	2R3	4	0	5,841,649:80:8
1489	0	364	03:52:48.466	175DH176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,841,649:86:0
1490	0	364	03:52:49.000		DMS:	: *RECORD	R28, TRACK 2, REV, TIC *1784.33 +/- 2	2R3	4	0	5,841,649:86:8
1491	0	364	03:52:49.000		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 1784.33 +/- 2	2R3	4	0	5,841,649:86:8
1492	0	364	03:52:50.466	165DH4B	7VECT		Inert vect update UTC	2R3	4	0	5,841,649:89:0
1493	0	364	03:52:51.133	29INIWATCH02-	NIMPBK	301DH	IO MONITOR OBSERVATION	2R3	4	0	: :
1494	0	364	03:52:51.800	117DH105A106A4A	7STRP	-0.0052,0.0,0,0,	Slew =,0.03	2R3	4	0	5,841,650:00:0
1495	0	364	03:55:50.466	117DH11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,841,652:86:0
1496	0	364	03:55:57.799	29INIWATCH02-		-----STOP-------		2R3	4	0	: :
1497	0	364	03:55:59.133	29INIWATCH02-	DESELC	300DH	IO MONITORING OBSERVATION	2R3	4	0	: :
1498	0	364	03:56:01.800		DMS:	: *RUNDOWN	R28, TRACK 2, REV, TIC *1614.87 +/- 2	2R3	4	0	5,841,653:12:0
1499	0	364	03:56:01.800	175DH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,653:12:0
1500	0	364	03:56:03.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1614.57 +/- 2	2R3	4	0	5,841,653:13:8
1501	0	364	03:56:39.000	29NNGRWAKE02-		-----START------		2R3	4	0	: :
1502	0	364	03:56:39.800	20DI5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,841,653:69:0
1503	0	364	03:56:47.133	20DI5B	37MRL		Memory Realocate (software operates from R		4	0	5,841,653:80:0
1504	0	364	03:56:55.133	20DI6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,841,654:01:0
1505	0	364	03:57:05.133	20DI6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,841,654:16:0
1506	0	364	03:57:15.133	20DI5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,841,654:31:0
1507	0	364	03:57:16.466	20DI5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,841,654:33:0
1508	0	364	03:57:47.800	20DI4A	37IST	1,2,0,OFF,0,1,0	Chopper ON, Sync, Chopper (Ref)Gain State	2R0	4	0	5,841,654:80:0
1509	0	364	03:58:51.133	127DI4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,841,655:84:0
1510	0	364	03:58:51.133	127DI	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,841,655:84:0
1511	0	364	03:58:51.800	127DI4B	37ETB	07,C7,30,3C,D7,0	Loads wavelength edit table	2R3	4	0	5,841,655:85:0
1512	0	364	03:58:52.000	29NNGRWAKE02-		-----STOP-------		2R3	4	0	: :
1513	0	364	03:58:55.133	165DI4A	7SCAN	NORM,339.910999,	Check S/P Position	2R3	4	0	5,841,655:90:0
1514	0	364	03:58:59.800	127DI11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,841,656:06:0
1515	0	364	03:59:44.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1614.57 +/- 2	2R3	4	0	5,841,656:73:0
1516	0	364	03:59:44.466	175DI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,656:73:0
1517	0	364	03:59:45.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1614.69 +/- 2	2R3	4	0	5,841,656:75:1
1518	0	364	03:59:47.133	117DI	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,841,656:77:0
1519	0	364	03:59:51.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1615.93 +/- 2	2R3	4	0	5,841,656:83:0
1520	0	364	03:59:52.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1615.99 +/- 2	2R3	4	0	5,841,656:84:8
1521	0	364	03:59:53.133	175DI176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	5,841,656:86:0
1522	0	364	03:59:53.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1615.87 +/- 2	2R3	4	0	5,841,656:86:9
1523	0	364	03:59:53.733		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *1615.87 +/- 2	2R3	4	0	5,841,656:86:9
1524	0	364	03:59:55.800	29JNGRWAKE02-	NIMPBK	301DI	JUPITER GRS WAKE OBSERVATION	2R3	4	0	: :
1525	0	364	03:59:56.466	117DI105A106A4A	7STRP	-0.00415,0.001,0	Slew =,0.01	2R3	4	0	5,841,657:00:0
1526	0	364	04:00:00.466	29JNGRWAKE02-		-----START------		2R3	4	0	: :
1527	0	364	04:05:07.133	29JNGRWAKE02-	NIMPBK	301EJ	JUPITER GRS WAKE OBSERVATION	2R3	4	0	: :
1528	0	364	04:06:53.800	29JNGRWAKE02-	DESELC	300EJ	JUPITER GRS WAKE OBSERVATION	2R3	4	0	: :
1529	0	364	04:06:55.133	117DI105A106A4B	7STRP	0.017502,-0.007,	Slew =12.01	2R3	4	0	5,841,663:82:0
1530	0	364	04:07:07.133	117DI105A106A4C	7STRP	-0.00415,0.001,0	Slew =,0.01	2R3	4	0	5,841,664:09:0
1531	0	364	04:08:51.800	29JNGRWAKE02-	NIMPBK	301DJ	JUPITER GRS WAKE OBSERVATION	2R3	4	0	: :
1532	0	364	04:09:17.800	29JNGRWAKE02-	DESELC	300DJ	JUPITER GRS WAKE OBSERVATION	2R3	4	0	: :
1533	0	364	04:09:43.800	29JNGRWAKE02-	NIMPBK	301DK	JUPITER GRS WAKE OBSERVATION	2R3	4	0	: :
1534	0	364	04:10:18.466	29JNGRWAKE02-	DESELC	300DK	JUPITER GRS WAKE OBSERVATION	2R3	4	0	: :
1535	0	364	04:11:01.800	29JNGRWAKE02-	NIMPBK	301DL	JUPITER GRS WAKE OBSERVATION	2R3	4	0	: :
1536	0	364	04:12:15.800	29JNGRWAKE02-	DESELC	300DL	JUPITER GRS WAKE OBSERVATION	2R3	4	0	: :
1537	0	364	04:14:03.800	29JNGRWAKE02-	DESELC	300DI	JUPITER GRS WAKE OBSERVATION	2R3	4	0	: :
1538	0	364	04:14:05.800	117DI11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,841,671:00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1539	0	364	04:14:13.800		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *1414.29 +/- 2	2R3	4	0	5,841,671:12:0
1540	0	364	04:14:13.800	175DI6A	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,841,671:12:0
1541	0	364	04:14:13.800	175DI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,671:12:0
1542	0	364	04:14:15.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1414.23 +/- 2	2R3	4	0	5,841,671:13:8
1543	0	364	04:18:07.800	165DJ4A	7SCAN	NORM,342.389999,	Check S/P Position	2R3	4	0	5,841,674:90:0
1544	0	364	04:18:12.466	29JNNEBRLT01-		-----START------		2R3	4	0	: :
1545	0	364	04:18:12.466	29JNGRWAKE02-		-----STOP-------		2R3	4	0	: :
1546	0	364	04:18:59.800	117DJ	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,841,675:77:0
1547	0	364	04:19:09.133	117DJ105A106A4A	7STRP	-0.00835,-0.0015	Slew =,0.01	2R3	4	0	5,841,676:00:0
1548	0	364	04:20:05.133	127DJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,841,676:84:0
1549	0	364	04:20:05.133	127DJ4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,841,676:84:0
1550	0	364	04:20:05.800	127DJ4B	37ETB	07,C7,1A,3C,D7,1	Loads wavelength edit table	2R3	4	0	5,841,676:85:0
1551	0	364	04:20:13.800	127DJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,841,677:06:0
1552	0	364	04:21:05.800	125DJ4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R3	4	0	5,841,677:84:0
1553	0	364	04:21:05.800	125DJ	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	5,841,677:84:0
1554	0	364	04:21:14.466	432DJ6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,841,678:06:0
1555	0	364	04:22:06.466	125DJ4B	37MB	11,11,0,0,0,0	Selects mirror (spatial) edit table	2R3	4	0	5,841,678:84:0
1556	0	364	04:22:06.466	125DJ11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	5,841,678:84:0
1557	0	364	04:31:19.800	432EJ6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,841,688:04:0
1558	0	364	04:33:11.133	117DJ11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,841,689:80:0
1559	0	364	04:33:22.466	29JNNEBRLT01-		-----STOP-------		2R3	4	0	: :
1560	0	364	04:40:08.000	29NNNTZRLT01-		-----START------		2R3	4	0	: :
1561	0	364	04:40:08.466	20DK5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,841,696:69:0
1562	0	364	04:40:15.800	20DK5B	37MRL		Memory Realocate (software operates from R		4	0	5,841,696:80:0
1563	0	364	04:40:23.800	20DK6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,841,697:01:0
1564	0	364	04:40:33.800	20DK6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,841,697:16:0
1565	0	364	04:40:43.800	20DK5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,841,697:31:0
1566	0	364	04:40:45.133	20DK5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,841,697:33:0
1567	0	364	04:41:16.466	20DK4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,841,697:80:0
1568	0	364	04:41:17.000	29NNNTZRLT01-		-----STOP-------		2R0	4	0	: :
1569	0	364	04:43:20.466	125DK4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,841,699:84:0
1570	0	364	04:43:20.466	125DK	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,841,699:84:0
1571	0	364	04:43:24.466	165DK4A	7SCAN	NORM,347.617996,	Check S/P Position	2R0	4	0	5,841,699:90:0
1572	0	364	04:43:29.132	29JNNTZRLT01-		-----START------		2R0	4	0	: :
1573	0	364	04:44:16.466	117DK	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	5,841,700:77:0
1574	0	364	04:44:21.133	125DK4B	37MB	11,11,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5,841,700:84:0
1575	0	364	04:44:21.133	125DK11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,841,700:84:0
1576	0	364	04:44:25.800	117DK105A106A4A	7STRP	-0.0084,0.0,0,0,	Slew =,0.01	2R0	4	0	5,841,701:00:0
1577	0	364	04:45:21.800	127DK4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,841,701:84:0
1578	0	364	04:45:21.800	127DK	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,841,701:84:0
1579	0	364	04:45:22.466	127DK4B	37ETB	07,C7,1A,3C,D7,1	Loads wavelength edit table	2R3	4	0	5,841,701:85:0
1580	0	364	04:45:30.466	127DK11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,841,702:06:0
1581	0	364	04:46:31.133	432DK6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,841,703:06:0
1582	0	364	04:56:36.466	432EK6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,841,713:04:0
1583	0	364	04:58:29.800	117DK11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,841,714:83:0
1584	0	364	04:58:39.132	29JNNTZRLT01-		-----STOP-------		2R3	4	0	: :
1585	0	364	04:59:59.800	488AH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,841,716:36:0
1586	0	364	05:00:21.000	29NNSTZRLT01-		-----START------		2R3	4	0	: :
1587	0	364	05:00:21.800	20DL5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,841,716:69:0
1588	0	364	05:00:29.133	20DL5B	37MRL		Memory Realocate (software operates from R		4	0	5,841,716:80:0
1589	0	364	05:00:37.133	20DL6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,841,717:01:0
1590	0	364	05:00:47.133	20DL6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,841,717:16:0
1591	0	364	05:00:57.133	20DL5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,841,717:31:0
1592	0	364	05:00:58.466	20DL5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,841,717:33:0
1593	0	364	05:01:29.800	20DL4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,841,717:80:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	0	364	05:01:30.000	29NNSTZRLT01-		-----STOP-------		2R0	4	0	: :	
1595	0	364	05:03:33.800	125DL4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,841,719:84:0	
1596	0	364	05:03:33.800	125DL	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,841,719:84:0	
1597	0	364	05:03:37.800	165DL4A	7SCAN	NORM,351.030998,	Check S/P Position	2R0	4	0	5,841,719:90:0	
1598	0	364	05:03:42.466	29JNSTZRLT01-		-----START------		2R0	4	0	: :	
1599	0	364	05:04:29.800	117DL	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	5,841,720:77:0	
1600	0	364	05:04:34.466	125DL4B	37MB	11,11,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5,841,720:84:0	
1601	0	364	05:04:34.466	125DL11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,841,720:84:0	
1602	0	364	05:04:39.133	117DL105A106A4A	7STRP	-0.0084,0.002,0,	Slew =,0.01	2R0	4	0	5,841,721:00:0	
1603	0	364	05:05:35.133	127DL	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,841,721:84:0	
1604	0	364	05:05:35.133	127DL4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,841,721:84:0	
1605	0	364	05:05:35.800	127DL4B	37ETB	07,C7,1A,3C,D7,1	Loads wavelength edit table	2R3	4	0	5,841,721:85:0	
1606	0	364	05:05:43.800	127DL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,841,722:06:0	
1607	0	364	05:06:44.466	432DL6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,841,723:06:0	
1608	0	364	05:14:59.800	480SD6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,841,731:21:0	
1609	0	364	05:16:49.800	432EL6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,841,733:04:0	
1610	0	364	05:18:45.133	117DL11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,841,734:86:0	
1611	0	364	05:18:52.466	29JNSTZRLT01-		-----STOP-------		2R3	4	0	: :	
1612	0	364	05:21:35.000	29NNHTSPOT01-		-----START------		2R3	4	0	: :	
1613	0	364	05:21:35.800	20DM5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,841,737:69:0	
1614	0	364	05:21:39.800	480SD6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2		4	0	5,841,737:75:0	
1615	0	364	05:21:43.133	20DM5B	37MRL		Memory Realocate (software operates from R		4	0	5,841,737:80:0	
1616	0	364	05:21:51.133	20DM6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,841,738:01:0	
1617	0	364	05:22:01.133	20DM6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,841,738:16:0	
1618	0	364	05:22:11.133	20DM5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,841,738:31:0	
1619	0	364	05:22:12.466	20DM5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,841,738:33:0	
1620	0	364	05:22:43.800	20DM4A	37IST	1,2,0,OFF,0,1,0	Chopper ON, Sync, Chopper (Ref)Gain State	2R0	4	0	5,841,738:80:0	
1621	0	364	05:22:44.000	29NNHTSPOT01-		-----STOP-------		2R0	4	0	: :	
1622	0	364	05:23:47.133	127DM4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,841,739:84:0	
1623	0	364	05:23:47.133	127DM	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,841,739:84:0	
1624	0	364	05:23:47.800	127DM4B	37ETB	07,C7,30,3C,D7,0	Loads wavelength edit table	2R3	4	0	5,841,739:85:0	
1625	0	364	05:23:51.133	165DM4A	7SCAN	NORM,351.328999,	Check S/P Position	2R3	4	0	5,841,739:90:0	
1626	0	364	05:23:55.799	29JNHTSPOT01-		-----START------		2R3	4	0	: :	
1627	0	364	05:23:55.800	127DM11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,841,740:06:0	
1628	0	364	05:24:40.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1414.23 +/- 2	2R3	4	0	5,841,740:73:0	
1629	0	364	05:24:40.466	175DM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,740:73:0	
1630	0	364	05:24:41.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1414.35 +/- 2	2R3	4	0	5,841,740:75:1	
1631	0	364	05:24:43.133	117DM	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,841,740:77:0	
1632	0	364	05:24:47.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1415.58 +/- 2	2R3	4	0	5,841,740:83:0	
1633	0	364	05:24:48.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1415.64 +/- 2	2R3	4	0	5,841,740:84:8	
1634	0	364	05:24:49.133	175DM176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	5,841,740:86:0	
1635	0	364	05:24:49.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1415.52 +/- 2	2R3	4	0	5,841,740:86:9	
1636	0	364	05:24:49.733		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *1415.52 +/- 2	2R3	4	0	5,841,740:86:9	
1637	0	364	05:24:51.800	29JNHTSPOT01-	NIMPBK	301DM	JUPITER HOTSPOT OBSERVATION	2R3	4	0	: :	
1638	0	364	05:24:52.466	117DM105A106A4A	7STRP	-0.00505,0.0,0,0	Slew =,0.01	2R3	4	0	5,841,741:00:0	
1639	0	364	05:27:52.466	29JNHTSPOT01-	NIMPBK	301DO	JUPITER HOTSPOT OBSERVATION	2R3	4	0	: :	
1640	0	364	05:28:16.466	29JNHTSPOT01-	DESELC	300DO	JUPITER HOTSPOT OBSERVATION	2R3	4	0	: :	
1641	0	364	05:33:21.133	117DM105A106A4B	7STRP	0.016501,-0.008,	Slew =12.01	2R3	4	0	5,841,749:35:0	
1642	0	364	05:33:33.800	117DM105A106A4C	7STRP	-0.00505,0.0,0,0	Slew =,0.01	2R3	4	0	5,841,749:54:0	
1643	0	364	05:38:59.800	29JNHTSPOT01-	DESELC	300DM	JUPITER HOTSPOT OBSERVATION	2R3	4	0	: :	
1644	0	364	05:39:09.800	175DM6A	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,841,755:12:0	
1645	0	364	05:39:09.800	175DM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,755:12:0	
1646	0	364	05:39:09.800		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *1213.94 +/- 2	2R3	4	0	5,841,755:12:0	
1647	0	364	05:39:11.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1213.88 +/- 2	2R3	4	0	5,841,755:13:8	
1648	0	364	05:42:02.466	117DM11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,841,757:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	0	364	05:44:09.132	29JNHTSPOT01-		-----STOP-------		2R3	4	0	: :	
1650	0	364	05:56:59.000	29NNHTSPOT02-		-----START------		2R3	4	0	: :	
1651	0	364	05:56:59.133	20DN5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,841,772:69:0	
1652	0	364	05:57:06.466	20DN5B	37MRL		Memory Realocate (software operates from R		4	0	5,841,772:80:0	
1653	0	364	05:57:14.466	20DN6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,841,773:01:0	
1654	0	364	05:57:24.466	20DN6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,841,773:16:0	
1655	0	364	05:57:34.466	20DN5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,841,773:31:0	
1656	0	364	05:57:35.800	20DN5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,841,773:33:0	
1657	0	364	05:58:07.133	20DN4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,841,773:80:0	
1658	0	364	05:58:08.000	29NNHTSPOT02-		-----STOP-------		2R0	4	0	: :	
1659	0	364	05:58:13.800	165DN4A	7SCAN	NORM,354.223999,	Check S/P Position	2R0	4	0	5,841,773:90:0	
1660	0	364	05:58:18.466	29JNHTSPOT02-		-----START------		2R0	4	0	: :	
1661	0	364	05:59:10.466	125DN11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,841,774:84:0	
1662	0	364	05:59:10.466	125DN	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,841,774:84:0	
1663	0	364	05:59:10.466	125DN4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,841,774:84:0	
1664	0	364	06:00:11.133	127DN4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,841,775:84:0	
1665	0	364	06:00:11.133	127DN	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,841,775:84:0	
1666	0	364	06:00:11.800	127DN4B	37ETB	07,C7,30,3C,D7,0	Loads wavelength edit table	2R3	4	0	5,841,775:85:0	
1667	0	364	06:00:19.800	127DN11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,841,776:06:0	
1668	0	364	06:02:05.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1213.88 +/- 2	2R3	4	0	5,841,777:73:0	
1669	0	364	06:02:05.133	175DN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,777:73:0	
1670	0	364	06:02:06.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1214.00 +/- 2	2R3	4	0	5,841,777:75:1	
1671	0	364	06:02:07.800	117DN	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,841,777:77:0	
1672	0	364	06:02:11.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1215.24 +/- 2	2R3	4	0	5,841,777:83:0	
1673	0	364	06:02:13.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1215.30 +/- 2	2R3	4	0	5,841,777:84:8	
1674	0	364	06:02:13.800	175DN176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	5,841,777:86:0	
1675	0	364	06:02:14.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1215.18 +/- 2	2R3	4	0	5,841,777:86:9	
1676	0	364	06:02:14.400		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *1215.18 +/- 2	2R3	4	0	5,841,777:86:9	
1677	0	364	06:02:16.466	29JNHTSPOT02-	NIMPBK	301DN	JUPITER HOT SPOT OBSERVATION	2R3	4	0	: :	
1678	0	364	06:02:17.133	117DN105A106A4A	7STRP	-0.00475,0.0,0,0	Slew =,0.01	2R3	4	0	5,841,778:00:0	
1679	0	364	06:10:15.133	117DN105A106A4B	7STRP	0.017502,-0.0085	Slew =12.01	2R3	4	0	5,841,785:80:0	
1680	0	364	06:10:28.466	117DN105A106A4C	7STRP	-0.00475,0.0,0,0	Slew =,0.01	2R3	4	0	5,841,786:09:0	
1681	0	364	06:11:55.800	29JNHTSPOT02-	NIMPBK	301FQ	JUPITER HOT SPOT OBSERVATION	2R3	4	0	: :	
1682	0	364	06:12:17.800	29JNHTSPOT02-	DESELC	300FQ	JUPITER HOT SPOT OBSERVATION	2R3	4	0	: :	
1683	0	364	06:13:28.466	29JNHTSPOT02-		-----STOP-------		2R3	4	0	: :	
1684	0	364	06:18:16.466	29JNHTSPOT02-	DESELC	300DN	JUPITER HOT SPOT OBSERVATION	2R3	4	0	: :	
1685	0	364	06:18:26.466	175DN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,793:89:0	
1686	0	364	06:18:26.466	117DN11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,841,793:89:0	
1687	0	364	06:18:26.466	175DN6A	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,841,793:89:0	
1688	0	364	06:18:26.466		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC * 987.35 +/- 2	2R3	4	0	5,841,793:89:0	
1689	0	364	06:18:27.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 987.29 +/- 2	2R3	4	0	5,841,793:90:8	
1690	0	364	06:19:27.800	165GL4A	7SCAN	NORM,358.505997,	Check S/P Position	2R3	4	0	5,841,794:90:0	
1691	0	364	06:19:28.466	176GL6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,841,795:00:0	
1692	0	364	06:20:19.800	117GL	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,841,795:77:0	
1693	0	364	06:20:29.133	117GL105A106A4A	7STRP	0.03101,-0.23347	Slew =,0.21	2R3	4	0	5,841,796:00:0	
1694	0	364	06:36:41.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 987.29 +/- 2	2R3	4	0	5,841,812:02:0	
1695	0	364	06:36:41.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,812:02:0	
1696	0	364	06:36:42.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 987.41 +/- 2	2R3	4	0	5,841,812:04:1	
1697	0	364	06:36:47.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 988.65 +/- 2	2R3	4	0	5,841,812:12:0	
1698	0	364	06:36:49.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 988.71 +/- 2	2R3	4	0	5,841,812:13:8	
1699	0	364	06:36:50.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC * 988.59 +/- 2	2R3	4	0	5,841,812:15:9	
1700	0	364	06:37:16.466		DMS:	: *RECORD	R7, TRACK 2, REV, TIC * 982.48 +/- 2	2R3	4	0	5,841,812:55:0	
1701	0	364	06:37:39.133		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC * 977.16 +/- 2	2R3	4	0	5,841,812:89:0	
1702	0	364	06:37:39.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,812:89:0	
1703	0	364	06:37:40.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 977.10 +/- 2	2R3	4	0	5,841,812:90:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	0	364	06:43:43.800	117GL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,841,818:90:0	
1705	0	364	06:44:44.466	165GM4A	7SCAN	NORM,17.744,9.77	Check S/P Position	2R3	4	0	5,841,819:90:0	
1706	0	364	06:45:15.133	176GL6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,841,820:45:0	
1707	0	364	06:45:17.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,820:48:0	
1708	0	364	06:45:17.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 977.10 +/- 2	2R3	4	0	5,841,820:48:0	
1709	0	364	06:45:18.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 977.22 +/- 2	2R3	4	0	5,841,820:50:1	
1710	0	364	06:45:23.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 978.46 +/- 2	2R3	4	0	5,841,820:58:0	
1711	0	364	06:45:25.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 978.52 +/- 2	2R3	4	0	5,841,820:59:8	
1712	0	364	06:45:26.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC * 978.40 +/- 2	2R3	4	0	5,841,820:61:9	
1713	0	364	06:45:27.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 978.23 +/- 2	2R3	4	0	5,841,820:63:0	
1714	0	364	06:45:42.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,820:86:0	
1715	0	364	06:45:42.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 974.63 +/- 2	2R3	4	0	5,841,820:86:0	
1716	0	364	06:45:43.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 974.57 +/- 2	2R3	4	0	5,841,820:87:8	
1717	0	364	06:46:46.466	176GM6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,841,822:00:0	
1718	0	364	06:47:37.800	117GM	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,841,822:77:0	
1719	0	364	06:47:47.133	117GM105A106A4A	7STRP	0.0015,-0.0033,0	Slew =,0.12	2R3	4	0	5,841,823:00:0	
1720	0	364	06:48:36.466	117GM105A106A4B	7STRP	-0.0002,0.0032,0	Slew =12.01	2R3	4	0	5,841,823:74:0	
1721	0	364	06:48:49.800	117GM105A106A4C	7STRP	0.0015,-0.0033,0	Slew =,0.12	2R3	4	0	5,841,824:03:0	
1722	0	364	06:49:39.133	117GM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,841,824:77:0	
1723	0	364	06:51:19.133	176GM6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,841,826:45:0	
1724	0	364	06:51:21.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 974.57 +/- 2	2R3	4	0	5,841,826:48:0	
1725	0	364	06:51:21.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,826:48:0	
1726	0	364	06:51:22.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 974.69 +/- 2	2R3	4	0	5,841,826:50:1	
1727	0	364	06:51:27.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 975.93 +/- 2	2R3	4	0	5,841,826:58:0	
1728	0	364	06:51:29.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 975.99 +/- 2	2R3	4	0	5,841,826:59:8	
1729	0	364	06:51:30.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC * 975.87 +/- 2	2R3	4	0	5,841,826:61:9	
1730	0	364	06:51:31.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 975.69 +/- 2	2R3	4	0	5,841,826:63:0	
1731	0	364	06:51:43.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 972.73 +/- 2	2R3	4	0	5,841,826:82:0	
1732	0	364	06:51:43.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,826:82:0	
1733	0	364	06:51:45.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 972.67 +/- 2	2R3	4	0	5,841,826:83:8	
1734	0	364	08:03:36.466	165GN4A	7SCAN	NORM,322.584999,	Check S/P Position	2R3	4	0	5,841,897:90:0	
1735	0	364	08:06:39.133	176GN6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,841,901:00:0	
1736	0	364	08:07:30.466	117GN	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,841,901:77:0	
1737	0	364	08:07:39.800	117GN105A106A4A	7STRP	0.0013,-0.0037,0	Slew =,0.08	2R3	4	0	5,841,902:00:0	
1738	0	364	08:08:29.133	117GN105A106A4B	7STRP	0.0007,0.0036,0,	Slew =12.01	2R3	4	0	5,841,902:74:0	
1739	0	364	08:08:45.133	117GN105A106A4C	7STRP	0.0013,-0.0037,0	Slew =,0.08	2R3	4	0	5,841,903:07:0	
1740	0	364	08:09:34.466	117GN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,841,903:81:0	
1741	0	364	08:11:11.800	176GN6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,841,905:45:0	
1742	0	364	08:11:13.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,905:48:0	
1743	0	364	08:11:13.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 972.67 +/- 2	2R3	4	0	5,841,905:48:0	
1744	0	364	08:11:15.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 972.79 +/- 2	2R3	4	0	5,841,905:50:1	
1745	0	364	08:11:20.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 974.02 +/- 2	2R3	4	0	5,841,905:58:0	
1746	0	364	08:11:21.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 974.08 +/- 2	2R3	4	0	5,841,905:59:8	
1747	0	364	08:11:23.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC * 973.96 +/- 2	2R3	4	0	5,841,905:61:9	
1748	0	364	08:11:23.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 973.79 +/- 2	2R3	4	0	5,841,905:63:0	
1749	0	364	08:11:36.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 970.82 +/- 2	2R3	4	0	5,841,905:82:0	
1750	0	364	08:11:36.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,905:82:0	
1751	0	364	08:11:37.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 970.76 +/- 2	2R3	4	0	5,841,905:83:8	
1752	0	364	08:18:46.466	165GO4A	7SCAN	NORM,28.707,14.2	Check S/P Position	2R3	4	0	5,841,912:90:0	
1753	0	364	08:21:49.133	176GO6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,841,916:00:0	
1754	0	364	08:22:40.466	117GO	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,841,916:77:0	
1755	0	364	08:22:49.800	117GO105A106A4A	7STRP	0.0014,-0.003,0,	Slew =,0.15	2R3	4	0	5,841,917:00:0	
1756	0	364	08:23:40.466	117GO105A106A4B	7STRP	-0.00035,0.0029,	Slew =12.01	2R3	4	0	5,841,917:76:0	
1757	0	364	08:23:55.133	117GO105A106A4C	7STRP	0.0014,-0.003,0,	Slew =,0.15	2R3	4	0	5,841,918:07:0	
1758	0	364	08:24:45.800	117GO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,841,918:83:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	0	364	08:26:21.800	176GO6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,841,920:45:0	
1760	0	364	08:26:23.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 970.76 +/- 2	2R3	4	0	5,841,920:48:0	
1761	0	364	08:26:23.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,841,920:48:0	
1762	0	364	08:26:25.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 970.88 +/- 2	2R3	4	0	5,841,920:50:1	
1763	0	364	08:26:30.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 972.11 +/- 2	2R3	4	0	5,841,920:58:0	
1764	0	364	08:26:31.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 972.17 +/- 2	2R3	4	0	5,841,920:59:8	
1765	0	364	08:26:33.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC * 972.05 +/- 2	2R3	4	0	5,841,920:61:9	
1766	0	364	08:26:33.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 971.88 +/- 2	2R3	4	0	5,841,920:63:0	
1767	0	364	08:26:46.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,841,920:82:0	
1768	0	364	08:26:46.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 968.91 +/- 2	2R3	4	0	5,841,920:82:0	
1769	0	364	08:26:47.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 968.85 +/- 2	2R3	4	0	5,841,920:83:8	
1770	0	364	08:50:49.133	432OZ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,841,944:62:0	
1771	0	364	08:50:49.800	432OZ6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,841,944:63:0	
1772	**0**	**364**	**09:40:26.000**	**29NNNTZRLT02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1773	**0**	**364**	**09:40:26.466**	**20DP5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,841,993:69:0**	
1774	**0**	**364**	**09:40:33.800**	**20DP5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,841,993:80:0**	
1775	**0**	**364**	**09:40:41.800**	**20DP6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,841,994:01:0**	
1776	**0**	**364**	**09:40:51.800**	**20DP6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,841,994:16:0**	
1777	**0**	**364**	**09:41:01.800**	**20DP5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,841,994:31:0**	
1778	**0**	**364**	**09:41:03.133**	**20DP5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,841,994:33:0**	
1779	**0**	**364**	**09:41:34.466**	**20DP4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,841,994:80:0**	
1780	**0**	**364**	**09:41:35.000**	**29NNNTZRLT02-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
1781	0	364	09:43:02.466	488AI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	5,841,996:30:0	
1782	**0**	**364**	**09:43:38.466**	**125DP4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,841,996:84:0**	
1783	0	364	09:43:38.466	125DP	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,841,996:84:0	
1784	0	364	09:43:42.466	165DP4A	**7SCAN**	**NORM,17.764,12.3**	**Check S/P Position**	2R0	4	0	5,841,996:90:0	
1785	**0**	**364**	**09:43:47.132**	**29JNNTZRLT02-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
1786	0	364	09:44:39.133	125DP11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,841,997:84:0	
1787	**0**	**364**	**09:44:39.133**	**125DP4B**	**37MB**	**11,11,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,841,997:84:0**	
1788	**0**	**364**	**09:45:39.800**	**127DP4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,841,998:84:0**	
1789	0	364	09:45:39.800	127DP	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,841,998:84:0	
1790	**0**	**364**	**09:45:40.466**	**127DP4B**	**37ETB**	**07,C7,1A,3C,D7,1**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,841,998:85:0**	
1791	0	364	09:45:48.466	127DP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,841,999:06:0	
1792	**0**	**364**	**09:46:49.133**	**432DP6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,842,000:06:0**	
1793	0	364	09:47:36.466	117DP	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,842,000:77:0	
1794	0	364	09:47:45.800	117DP105A106A4A	**7STRP**	**-0.013201,0.0,0,**	**Slew =,0.02**	2R3	4	0	5,842,001:00:0	
1795	**0**	**364**	**09:56:54.466**	**432EP6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,842,010:04:0**	
1796	0	364	09:58:53.133	117DP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,842,012:00:0	
1797	**0**	**364**	**09:58:57.132**	**29JNSTZRLT02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1798	**0**	**364**	**09:58:57.132**	**29JNNTZRLT02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1799	0	364	09:59:53.133	165DQ4A	**7SCAN**	**NORM,21.613,8.66**	**Check S/P Position**	2R3	4	0	5,842,012:90:0	
1800	**0**	**364**	**10:00:49.800**	**125DQ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**5,842,013:84:0**	
1801	0	364	10:00:49.800	125DQ	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	5,842,013:84:0	
1802	**0**	**364**	**10:01:50.466**	**125DQ4B**	**37MB**	**11,11,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**5,842,014:84:0**	
1803	0	364	10:01:50.466	125DQ11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	5,842,014:84:0	
1804	**0**	**364**	**10:01:59.133**	**432DQ6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**5,842,015:06:0**	
1805	0	364	10:02:46.466	117DQ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,842,015:77:0	
1806	**0**	**364**	**10:02:51.133**	**127DQ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,842,015:84:0**	
1807	0	364	10:02:51.133	127DQ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,842,015:84:0	
1808	**0**	**364**	**10:02:51.800**	**127DQ4B**	**37ETB**	**07,C7,1A,3C,D7,1**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,842,015:85:0**	
1809	0	364	10:02:55.800	117DQ105A106A4A	**7STRP**	**-0.0066,0.0026,0**	**Slew =,0.01**	2R3	4	0	5,842,016:00:0	
1810	0	364	10:02:59.800	127DQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,842,016:06:0	
1811	**0**	**364**	**10:08:01.800**	**432EQ6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**5,842,021:04:0**	
1812	0	364	10:14:03.133	117DQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,842,027:00:0	
1813	**0**	**364**	**10:14:07.132**	**29JNSTZRLT02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1814	0	364	10:59:27.800	488AI6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5,842,071:83:0	
1815	0	364	10:59:59.800	480SE6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,842,072:40:0	
1816	0	364	11:06:39.800	480SE6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,842,079:03:0	
1817	0	364	11:28:33.800	488AI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5,842,100:63:0	
1818	0	364	11:51:06.466	165GP4A	7SCAN	NORM,346.025997,	Check S/P Position	2R3	4	0	5,842,122:90:0	
1819	0	364	11:54:09.133	176GP6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,842,126:00:0	
1820	0	364	11:55:00.466	117GP	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,842,126:77:0	
1821	0	364	11:55:09.800	117GP105A106A4A	7STRP	0.0013,-0.0035,0	Slew =,0.08	2R3	4	0	5,842,127:00:0	
1822	0	364	11:55:59.133	117GP105A106A4B	7STRP	0.0003,0.0034,0,	Slew =12.01	2R3	4	0	5,842,127:74:0	
1823	0	364	11:56:14.466	117GP105A106A4C	7STRP	0.0013,-0.0035,0	Slew =,0.08	2R3	4	0	5,842,128:06:0	
1824	0	364	11:57:03.800	117GP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,842,128:80:0	
1825	0	364	11:58:41.800	176GP6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,842,130:45:0	
1826	0	364	11:58:43.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,842,130:48:0	
1827	0	364	11:58:43.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 968.85 +/- 2	2R3	4	0	5,842,130:48:0	
1828	0	364	11:58:45.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 968.97 +/- 2	2R3	4	0	5,842,130:50:1	
1829	0	364	11:58:50.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 970.21 +/- 2	2R3	4	0	5,842,130:58:0	
1830	0	364	11:58:51.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 970.27 +/- 2	2R3	4	0	5,842,130:59:8	
1831	0	364	11:58:53.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC * 970.15 +/- 2	2R3	4	0	5,842,130:61:9	
1832	0	364	11:58:53.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 969.98 +/- 2	2R3	4	0	5,842,130:63:0	
1833	0	364	11:59:06.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,842,130:82:0	
1834	0	364	11:59:06.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 967.01 +/- 2	2R3	4	0	5,842,130:82:0	
1835	0	364	11:59:07.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 966.95 +/- 2	2R3	4	0	5,842,130:83:8	
1836	**0**	**364**	**12:43:27.000**	**29NNAURORA01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1837	**0**	**364**	**12:43:27.133**	**20DR5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,842,174:69:0**	
1838	**0**	**364**	**12:43:34.466**	**20DR5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,842,174:80:0**	
1839	**0**	**364**	**12:43:42.466**	**20DR6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,842,175:01:0**	
1840	**0**	**364**	**12:43:52.466**	**20DR6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,842,175:16:0**	
1841	**0**	**364**	**12:44:02.466**	**20DR5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,842,175:31:0**	
1842	**0**	**364**	**12:44:09.133**	**20DR5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,842,175:41:0**	
1843	**0**	**364**	**12:44:35.133**	**20DR4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,842,175:80:0**	
1844	**0**	**364**	**12:44:36.000**	**29NNAURORA01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
1845	0	364	12:45:38.466	125DR11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,842,176:84:0	
1846	0	364	12:45:38.466	125DR	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,842,176:84:0	
1847	**0**	**364**	**12:45:38.466**	**125DR4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**5,842,176:84:0**	
1848	**0**	**364**	**12:47:39.800**	**127DR4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**5,842,178:84:0**	
1849	0	364	12:47:39.800	127DR	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,842,178:84:0	
1850	**0**	**364**	**12:47:40.466**	**127DR4B**	**37ETB**	**07,C7,30,3C,D7,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**5,842,178:85:0**	
1851	0	364	12:47:48.466	127DR11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,179:06:0	
1852	0	364	12:48:44.466	165DR4A	**7SCAN**	**NORM,41.509,13.5**	**Check S/P Position**	4R3	4	0	5,842,179:90:0	
1853	**0**	**364**	**12:48:49.132**	**29JNAURORA01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1854	0	364	12:50:34.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 966.95 +/- 2	4R3	4	0	5,842,181:73:0	
1855	0	364	12:50:34.466	175DR422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,842,181:73:0	
1856	0	364	12:50:35.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 967.07 +/- 2	4R3	4	0	5,842,181:75:1	
1857	0	364	12:50:37.133	117DR	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,842,181:77:0	
1858	0	364	12:50:41.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 968.30 +/- 2	4R3	4	0	5,842,181:83:0	
1859	0	364	12:50:42.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 968.36 +/- 2	4R3	4	0	5,842,181:84:8	
1860	0	364	12:50:43.133	175DR176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	5,842,181:86:0	
1861	0	364	12:50:43.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 968.24 +/- 2	4R3	4	0	5,842,181:86:9	
1862	0	364	12:50:43.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 968.24 +/- 2	4R3	4	0	5,842,181:86:9	
1863	**0**	**364**	**12:50:45.800**	**29JNAURORA01-**	**NIMPBK**	**301DR**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**	
1864	0	364	12:50:46.466	117DR105A106A4A	**7STRP**	**-0.013801,0.0041**	**Slew =,0.02**	4R3	4	0	5,842,182:00:0	
1865	**0**	**364**	**13:02:43.133**	**29JNAURORA01-**	**DESELC**	**300DR**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**	
1866	0	364	13:02:51.133	117DR11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,842,193:86:0	
1867	0	364	13:02:53.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 797.29 +/- 2	4R3	4	0	5,842,193:89:0	
1868	0	364	13:02:53.133	175DR6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,842,193:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	0	364	13:02:53.133	175DR422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,193:89:0	
1870	0	364	13:02:54.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 797.23 +/- 2	4R3	4	0	5,842,193:90:8	
1871	0	364	13:02:58.466	29JNAURORA01-		-----STOP-------		4R3	4	0	: :	
1872	0	364	13:03:54.466	165DS4A	7SCAN	NORM,40.917,23.4	Check S/P Position	4R3	4	0	5,842,194:90:0	
1873	0	364	13:03:59.132	29JNLIMBRT01-		-----START------		4R3	4	0	: :	
1874	0	364	13:04:51.133	125DS4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R3	4	0	5,842,195:84:0	
1875	0	364	13:04:51.133	125DS	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,842,195:84:0	
1876	0	364	13:04:51.133	125DS11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,842,195:84:0	
1877	0	364	13:05:47.133	117DS	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,842,196:77:0	
1878	0	364	13:05:56.466	117DS105A106A4A	7STRP	-0.0095,-0.002,0	Slew =,0.02	4R3	4	0	5,842,197:00:0	
1879	0	364	13:06:52.466	127DS4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,842,197:84:0	
1880	0	364	13:06:52.466	127DS	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,842,197:84:0	
1881	0	364	13:06:53.133	127DS4B	37ETB	07,C7,14,00,FF,2	Loads wavelength edit table	4R3	4	0	5,842,197:85:0	
1882	0	364	13:07:01.133	127DS11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,198:06:0	
1883	0	364	13:07:01.133	432DS6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	5,842,198:06:0	
1884	0	364	13:12:03.133	432ES6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	5,842,203:04:0	
1885	0	364	13:13:58.466	117DS11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,842,204:86:0	
1886	0	364	13:14:05.799	29JNLIMBRT01-		-----STOP-------		4R3	4	0	: :	
1887	0	364	13:24:54.000	29NNGLOBAL01-		-----START------		4R3	4	0	: :	
1888	0	364	13:24:54.466	20DT5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,842,215:69:0	
1889	0	364	13:25:01.800	20DT5B	37MRL		Memory Realocate (software operates from R		4	0	5,842,215:80:0	
1890	0	364	13:25:09.800	20DT6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,842,216:01:0	
1891	0	364	13:25:19.800	20DT6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,842,216:16:0	
1892	0	364	13:25:29.800	20DT5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,842,216:31:0	
1893	0	364	13:25:31.133	20DT5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,842,216:33:0	
1894	0	364	13:26:02.466	20DT4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,842,216:80:0	
1895	0	364	13:26:03.000	29NNGLOBAL01-		-----STOP-------		2R0	4	0	: :	
1896	0	364	13:26:09.133	165DT4A	7SCAN	NORM,355.199997,	Check S/P Position	2R0	4	0	5,842,216:90:0	
1897	0	364	13:26:13.799	29ENGLOBAL01-		-----START------		2R0	4	0	: :	
1898	0	364	13:27:05.800	125DT	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,842,217:84:0	
1899	0	364	13:27:05.800	125DT4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,842,217:84:0	
1900	0	364	13:27:05.800	125DT11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,842,217:84:0	
1901	0	364	13:28:05.800	33A4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R0	4	0	5,842,218:83:0	
1902	0	364	13:29:07.133	127DT	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,842,219:84:0	
1903	0	364	13:29:07.133	127DT4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,842,219:84:0	
1904	0	364	13:29:07.800	127DT4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	4R3	4	0	5,842,219:85:0	
1905	0	364	13:29:15.800	127DT11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,220:06:0	
1906	0	364	13:29:57.800	175DT422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R3	4	0	5,842,220:69:0	
1907	0	364	13:29:57.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 797.23 +/- 2	4R3	4	0	5,842,220:69:0	
1908	0	364	13:29:59.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 797.35 +/- 2	4R3	4	0	5,842,220:71:1	
1909	0	364	13:30:03.133	117DT	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,842,220:77:0	
1910	0	364	13:30:04.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 798.58 +/- 2	4R3	4	0	5,842,220:79:0	
1911	0	364	13:30:05.666		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC * 798.64 +/- 2	4R3	4	0	5,842,220:80:8	
1912	0	364	13:30:09.133	175DT176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	5,842,220:86:0	
1913	0	364	13:30:09.666		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 797.14 +/- 2	4R3	4	0	5,842,220:86:8	
1914	0	364	13:30:09.666		DMS:	: *RECORD	R28, TRACK 2, REV, TIC * 797.14 +/- 2	4R3	4	0	5,842,220:86:8	
1915	0	364	13:30:11.133	165DT4B	7VECT		Inert vect update UTC	4R3	4	0	5,842,220:89:0	
1916	0	364	13:30:11.133	29ENGLOBAL01-	NIMPBK	301DT	EUROPA GLOBAL OBSERVATION	4R3	4	0	: :	
1917	0	364	13:30:12.466	117DT105A106A4A	7STRP	-0.006,0.0,0,0,0	Slew =,0.03	4R3	4	0	5,842,221:00:0	
1918	0	364	13:31:45.800	29ENGLOBAL01-	NIMPBK	301DP	EUROPA GLOBAL OBSERVATION	4R3	4	0	: :	
1919	0	364	13:31:57.800	29ENGLOBAL01-	DESELC	300DP	EUROPA GLOBAL OBSERVATION	4R3	4	0	: :	
1920	0	364	13:33:09.800	29ENGLOBAL01-	DESELC	300DT	EUROPA GLOBAL OBSERVATION	4R3	4	0	: :	
1921	0	364	13:33:12.466		DMS:	: *RUNDOWN	R28, TRACK 2, REV, TIC * 636.48 +/- 2	4R3	4	0	5,842,223:88:0	
1922	0	364	13:33:12.466	175DT422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,223:88:0	
1923	0	364	13:33:13.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 636.18 +/- 2	4R3	4	0	5,842,223:89:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1924	0	364	13:33:26.466	488AI6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	5,842,224:18:0	
1925	0	364	13:33:37.800	117DT11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,842,224:35:0	
1926	0	364	13:42:24.466	29ENGLOBAL01-		-----STOP-------		4R3	4	0	: :	
1927	0	364	13:46:08.000	29NNAURORA02-		-----START------		4R3	4	0	: :	
1928	0	364	13:46:08.466	20DU5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,842,236:69:0	
1929	0	364	13:46:15.800	20DU5B	37MRL		Memory Realocate (software operates from R		4	0	5,842,236:80:0	
1930	0	364	13:46:22.466	165DU4A	7SCAN	NORM,45.797,15.0	Check S/P Position		4	0	5,842,236:90:0	
1931	0	364	13:46:23.800	20DU6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,842,237:01:0	
1932	0	364	13:46:33.800	20DU6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,842,237:16:0	
1933	0	364	13:46:43.800	20DU5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,842,237:31:0	
1934	0	364	13:46:50.466	20DU5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,842,237:41:0	
1935	0	364	13:47:16.466	20DU4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,842,237:80:0	
1936	0	364	13:47:17.000	29NNAURORA02-		-----STOP-------		2R0	4	0	: :	
1937	0	364	13:48:19.800	125DU4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R0	4	0	5,842,238:84:0	
1938	0	364	13:48:19.800	125DU11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	5,842,238:84:0	
1939	0	364	13:48:19.800	125DU	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	5,842,238:84:0	
1940	0	364	13:49:20.466	127DU4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,842,239:84:0	
1941	0	364	13:49:20.466	127DU	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,842,239:84:0	
1942	0	364	13:49:21.133	127DU4B	37ETB	07,C7,30,3C,D7,0	Loads wavelength edit table	4R3	4	0	5,842,239:85:0	
1943	0	364	13:49:29.132	29JNAURORA02-		-----START------		4R3	4	0	: :	
1944	0	364	13:49:29.133	127DU11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,240:06:0	
1945	0	364	13:50:13.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 636.18 +/- 2	4R3	4	0	5,842,240:73:0	
1946	0	364	13:50:13.800	175DU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,842,240:73:0	
1947	0	364	13:50:15.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 636.30 +/- 2	4R3	4	0	5,842,240:75:1	
1948	0	364	13:50:16.466	117DU	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,842,240:77:0	
1949	0	364	13:50:20.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 637.53 +/- 2	4R3	4	0	5,842,240:83:0	
1950	0	364	13:50:21.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 637.59 +/- 2	4R3	4	0	5,842,240:84:8	
1951	0	364	13:50:22.466	175DU176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	5,842,240:86:0	
1952	0	364	13:50:23.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 637.47 +/- 2	4R3	4	0	5,842,240:86:9	
1953	0	364	13:50:23.066		DMS:	: *RECORD	R7, TRACK 2, REV, TIC * 637.47 +/- 2	4R3	4	0	5,842,240:86:9	
1954	0	364	13:50:25.133	29JNAURORA02-	NIMPBK	301DU	JUPITER AURORA OBSERVATION	4R3	4	0	: :	
1955	0	364	13:50:25.800	117DU105A106A4A	7STRP	-0.014001,0.0070	Slew =,0.04	4R3	4	0	5,842,241:00:0	
1956	0	364	14:03:23.133	29JNAURORA02-	DESELC	300DU	JUPITER AURORA OBSERVATION	4R3	4	0	: :	
1957	0	364	14:03:31.133	117DU11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,842,253:86:0	
1958	0	364	14:03:33.133	175DU6A	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5,842,253:89:0	
1959	0	364	14:03:33.133	175DU422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,253:89:0	
1960	0	364	14:03:33.133		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC * 452.30 +/- 2	4R3	4	0	5,842,253:89:0	
1961	0	364	14:03:34.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 452.24 +/- 2	4R3	4	0	5,842,253:90:8	
1962	0	364	14:03:38.466	29JNAURORA02-		-----STOP-------		4R3	4	0	: :	
1963	0	364	14:04:34.466	165DV4A	7SCAN	NORM,45.455,24.4	Check S/P Position	4R3	4	0	5,842,254:90:0	
1964	0	364	14:04:39.132	29JNLIMBRT02-		-----START------		4R3	4	0	: :	
1965	0	364	14:06:27.133	117DV	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,842,256:77:0	
1966	0	364	14:06:31.800	125DV	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,842,256:84:0	
1967	0	364	14:06:31.800	125DV4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R3	4	0	5,842,256:84:0	
1968	0	364	14:06:31.800	125DV11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,842,256:84:0	
1969	0	364	14:06:36.466	117DV105A106A4A	7STRP	-0.0093,-0.0014,	Slew =,0.02	4R3	4	0	5,842,257:00:0	
1970	0	364	14:07:32.466	127DV4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,842,257:84:0	
1971	0	364	14:07:32.466	127DV	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,842,257:84:0	
1972	0	364	14:07:33.133	127DV4B	37ETB	07,C7,14,00,FF,2	Loads wavelength edit table	4R3	4	0	5,842,257:85:0	
1973	0	364	14:07:41.133	432DV6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	5,842,258:06:0	
1974	0	364	14:07:41.133	127DV11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,258:06:0	
1975	0	364	14:12:43.133	432EV6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	5,842,263:04:0	
1976	0	364	14:14:38.466	117DV11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,842,264:86:0	
1977	0	364	14:14:45.799	29JNLIMBRT02-		-----STOP-------		4R3	4	0	: :	
1978	0	364	14:46:48.000	29NNAURORA03-		-----START------		4R3	4	0	: :	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1979	0	364	14:46:48.466	20DX5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,842,296:69:0
1980	0	364	14:46:55.800	20DX5B	37MRL		Memory Realocate (software operates from R		4	0	5,842,296:80:0
1981	0	364	14:47:03.800	20DX6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,842,297:01:0
1982	0	364	14:47:13.800	20DX6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,842,297:16:0
1983	0	364	14:47:23.800	20DX5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,842,297:31:0
1984	0	364	14:47:30.466	20DX5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,842,297:41:0
1985	0	364	14:47:56.466	20DX4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,842,297:80:0
1986	0	364	14:47:57.000	29NNAURORA03-		-----STOP-------		2R0	4	0	: :
1987	0	364	14:48:03.133	165DX4A	7SCAN	NORM,49.712,16.4	Check S/P Position	2R0	4	0	5,842,297:90:0
1988	0	364	14:50:00.466	125DX4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R0	4	0	5,842,299:84:0
1989	0	364	14:50:00.466	125DX11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	5,842,299:84:0
1990	0	364	14:50:00.466	125DX	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	5,842,299:84:0
1991	0	364	14:50:09.132	29JNAURORA03-		-----START------		4R0	4	0	: :
1992	0	364	14:51:01.133	127DX	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,842,300:84:0
1993	0	364	14:51:01.133	127DX4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,842,300:84:0
1994	0	364	14:51:01.800	127DX4B	37ETB	07,C7,30,3C,D7,0	Loads wavelength edit table	4R3	4	0	5,842,300:85:0
1995	0	364	14:51:09.800	127DX11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,301:06:0
1996	0	364	14:51:54.466	175DX422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,842,301:73:0
1997	0	364	14:51:54.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 452.24 +/- 2	4R3	4	0	5,842,301:73:0
1998	0	364	14:51:55.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 452.36 +/- 2	4R3	4	0	5,842,301:75:1
1999	0	364	14:51:57.133	117DX	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,842,301:77:0
2000	0	364	14:52:01.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 453.60 +/- 2	4R3	4	0	5,842,301:83:0
2001	0	364	14:52:02.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 453.66 +/- 2	4R3	4	0	5,842,301:84:8
2002	0	364	14:52:03.133	175DX176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	5,842,301:86:0
2003	0	364	14:52:03.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 453.54 +/- 2	4R3	4	0	5,842,301:86:9
2004	0	364	14:52:03.733		DMS:	: *RECORD	R7, TRACK 2, REV, TIC * 453.54 +/- 2	4R3	4	0	5,842,301:86:9
2005	0	364	14:52:05.800	29JNAURORA03-	NIMPBK	301DX	JUPITER AURORA OBSERVATION	4R3	4	0	: :
2006	0	364	14:52:06.466	117DX105A106A4A	7STRP	-0.013601,0.0099	Slew =,0.08	4R3	4	0	5,842,302:00:0
2007	0	364	14:52:22.466	488AI6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	5,842,302:24:0
2008	0	364	14:59:59.800	488AJ6A	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4R3	4	0	5,842,309:73:0
2009	0	364	15:04:09.800	29JNAURORA03-	DESELC	300DX	JUPITER AURORA OBSERVATION	4R3	4	0	: :
2010	0	364	15:04:11.133	117DX11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,842,313:86:0
2011	0	364	15:04:11.800		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC * 282.89 +/- 2	4R3	4	0	5,842,313:87:0
2012	0	364	15:04:11.800	175DX6A	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5,842,313:87:0
2013	0	364	15:04:11.800	175DX422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,313:87:0
2014	0	364	15:04:13.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 282.83 +/- 2	4R3	4	0	5,842,313:88:8
2015	0	364	15:04:18.466	29JNAURORA03-		-----STOP-------		4R3	4	0	: :
2016	0	364	15:05:14.466	165DY4A	7SCAN	NORM,49.45,25.18	Check S/P Position	4R3	4	0	5,842,314:90:0
2017	0	364	15:05:19.132	29JNLIMBRT03-		-----START------		4R3	4	0	: :
2018	0	364	15:07:07.133	117DY	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,842,316:77:0
2019	0	364	15:07:11.800	125DY4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R3	4	0	5,842,316:84:0
2020	0	364	15:07:11.800	125DY	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,842,316:84:0
2021	0	364	15:07:11.800	125DY11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,842,316:84:0
2022	0	364	15:07:16.466	117DY105A106A4A	7STRP	-0.0095,-0.0008,	Slew =,0.02	4R3	4	0	5,842,317:00:0
2023	0	364	15:08:12.466	127DY4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,842,317:84:0
2024	0	364	15:08:12.466	127DY	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,842,317:84:0
2025	0	364	15:08:13.133	127DY4B	37ETB	07,C7,14,00,FF,2	Loads wavelength edit table	4R3	4	0	5,842,317:85:0
2026	0	364	15:08:21.133	127DY11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,318:06:0
2027	0	364	15:08:21.133	432DY6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	5,842,318:06:0
2028	0	364	15:13:23.133	432EY6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	5,842,323:04:0
2029	0	364	15:15:18.466	117DY11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,842,324:86:0
2030	0	364	15:15:25.799	29JNLIMBRT03-		-----STOP-------		4R3	4	0	: :
2031	0	364	15:45:42.466	488AJ6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R3	4	0	5,842,355:01:0
2032	0	364	15:46:42.466	465KC6A	6DMSC	RDY,3	DMS Control Tape stop	4R3	4	0	5,842,356:00:0
2033	0	364	15:46:42.466		DMS:	: READY	RDY, TRACK *3, *FWD, TIC 282.83 +/- 2	4R3	4	0	5,842,356:00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2034	**0**	**364**	**15:47:28.000**	**29NNAURORA04-**		**-----START------**		**4R3**	**4**	**0**	**: :**
2035	**0**	**364**	**15:47:28.466**	**20DZ5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,842,356:69:0**
2036	**0**	**364**	**15:47:35.800**	**20DZ5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,842,356:80:0**
2037	**0**	**364**	**15:47:43.800**	**20DZ6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,842,357:01:0**
2038	**0**	**364**	**15:47:53.800**	**20DZ6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,842,357:16:0**
2039	**0**	**364**	**15:48:03.800**	**20DZ5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,842,357:31:0**
2040	**0**	**364**	**15:48:10.466**	**20DZ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,842,357:41:0**
2041	**0**	**364**	**15:48:36.466**	**20DZ4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,842,357:80:0**
2042	**0**	**364**	**15:48:37.000**	**29NNAURORA04-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
2043	0	364	15:48:43.133	165DZ4A	**7SCAN**	**NORM,53.759,17.6**	**Check S/P Position**	2R0	4	0	5,842,357:90:0
2044	**0**	**364**	**15:49:39.800**	**125DZ4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**5,842,358:84:0**
2045	0	364	15:49:39.800	125DZ11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	5,842,358:84:0
2046	0	364	15:49:39.800	125DZ	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	5,842,358:84:0
2047	**0**	**364**	**15:50:49.132**	**29JNAURORA04-**		**-----START------**		**4R0**	**4**	**0**	**: :**
2048	**0**	**364**	**15:51:41.133**	**127DZ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**5,842,360:84:0**
2049	0	364	15:51:41.133	127DZ	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,842,360:84:0
2050	**0**	**364**	**15:51:41.800**	**127DZ4B**	**37ETB**	**07,C7,30,3C,D7,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**5,842,360:85:0**
2051	0	364	15:51:49.800	127DZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,361:06:0
2052	0	364	15:52:35.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 282.83 +/- 2	4R3	4	0	5,842,361:74:0
2053	0	364	15:52:35.133	175DZ422A6A	6DMSC	R7,3	DMS Control	4R3	4	0	5,842,361:74:0
2054	0	364	15:52:37.133	117DZ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,842,361:77:0
2055	0	364	15:52:41.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 282.83 +/- 2	4R3	4	0	5,842,361:84:0
2056	0	364	15:52:43.133	175DZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	5,842,361:86:0
2057	0	364	15:52:43.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 282.95 +/- 2	4R3	4	0	5,842,361:86:1
2058	0	364	15:52:43.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 282.95 +/- 2	4R3	4	0	5,842,361:86:1
2059	**0**	**364**	**15:52:45.800**	**29JNAURORA04-**	**NIMPBK**	**301DZ**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**
2060	0	364	15:52:46.466	117DZ105A106A4A	**7STRP**	**-0.013001,0.0261**	**Slew =,0.26**	4R3	4	0	5,842,362:00:0
2061	**0**	**364**	**16:04:51.133**	**29JNAURORA04-**	**DESELC**	**300DZ**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**
2062	0	364	16:04:51.133	117DZ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,842,373:86:0
2063	**0**	**364**	**16:04:58.466**	**29JNAURORA04-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
2064	0	364	16:05:43.800	175DZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,374:74:0
2065	0	364	16:05:43.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 465.91 +/- 2	4R3	4	0	5,842,374:74:0
2066	0	364	16:05:43.800	175DZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,842,374:74:0
2067	0	364	16:05:45.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 465.97 +/- 2	4R3	4	0	5,842,374:75:8
2068	0	364	16:06:41.133	488AJ6C	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	4R3	4	0	5,842,375:69:0
2069	0	364	16:28:49.800	165ID4A	7SCAN	NORM,74.957999,2	Check S/P Position	4R3	4	0	5,842,397:60:0
2070	0	364	16:32:04.466	118ID	**SMOS**	GS		4R3	4	0	5,842,400:79:0
2071	0	364	16:32:11.133	165ID4B	7VECT		Inert vect update UTC	4R3	4	0	5,842,400:89:0
2072	0	364	16:32:11.133	175ID422A6A	6DMSC	R806,3	DMS Control	4R3	4	0	5,842,400:89:0
2073	0	364	16:32:11.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 465.97 +/- 2	4R3	4	0	5,842,400:89:0
2074	0	364	16:32:14.466	118ID110A111A4A	7STRP	-0.0038,0.0,26,0	Slew =,1.91	4R3	4	0	5,842,401:03:0
2075	0	364	16:32:17.800		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 465.97 +/- 2	4R3	4	0	5,842,401:08:0
2076	0	364	16:32:22.466	175ID176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	5,842,401:15:0
2077	0	364	16:32:23.066		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 531.97 +/- 2	4R3	4	0	5,842,401:15:9
2078	0	364	16:32:23.066		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC * 531.97 +/- 2	4R3	4	0	5,842,401:15:9
2079	0	364	16:32:23.133	118ID110A111A4B	7STRP	0.0038,0.0,0,0,0	Slew =,1.91	4R3	4	0	5,842,401:16:0
2080	0	364	16:32:27.133	175ID422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,401:22:0
2081	0	364	16:32:27.133		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC * 632.05 +/- 2	4R3	4	0	5,842,401:22:0
2082	0	364	16:32:29.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 643.55 +/- 2	4R3	4	0	5,842,401:26:1
2083	0	364	16:32:31.800	118ID110A111A4C	7STRP	-0.0038,0.0,26,0	Slew =,1.91	4R3	4	0	5,842,401:29:0
2084	0	364	16:32:37.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 643.55 +/- 2	4R3	4	0	5,842,401:37:0
2085	0	364	16:32:37.133	175QD422A6A	6DMSC	R806,3	DMS Control	4R3	4	0	5,842,401:37:0
2086	0	364	16:32:40.466	118ID110A111A4D	7STRP	0.0038,0.0,0,0,0	Slew =,1.91	4R3	4	0	5,842,401:42:0
2087	0	364	16:32:43.800		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 643.55 +/- 2	4R3	4	0	5,842,401:47:0
2088	0	364	16:32:48.466	175QD176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	5,842,401:54:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2089	0	364	16:32:49.066		DMS:	: *RECORD	R806, TRACK 3, FWD, TIC * 709.55 +/- 2	4R3	4	0	5,842,401:54:9	
2090	0	364	16:32:49.066		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 709.55 +/- 2	4R3	4	0	5,842,401:54:9	
2091	0	364	16:32:49.133	118ID110A111A4E	7STRP	-0.0038,0.0,26,0	Slew =,1.91	4R3	4	0	5,842,401:55:0	
2092	0	364	16:32:53.133		DMS:	: *RUNDOWN	R806, TRACK 3, FWD, TIC * 809.62 +/- 2	4R3	4	0	5,842,401:61:0	
2093	0	364	16:32:53.133	175QD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,401:61:0	
2094	0	364	16:32:55.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 821.12 +/- 3	4R3	4	0	5,842,401:65:1	
2095	0	364	16:32:57.800	118ID11A	SMOS	GE		4R3	4	0	5,842,401:68:0	
2096	0	364	16:40:20.466	488AJ6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R3	4	0	5,842,409:04:0	
2097	0	364	16:47:07.000	29NNAURORA05-		-----START------		4R3	4	0	: :	
2098	0	364	16:47:07.800	20EB5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,842,415:69:0	
2099	0	364	16:47:15.133	20EB5B	37MRL		Memory Realocate (software operates from R		4	0	5,842,415:80:0	
2100	0	364	16:47:23.133	20EB6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,842,416:01:0	
2101	0	364	16:47:33.133	20EB6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,842,416:16:0	
2102	0	364	16:47:43.133	20EB5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,842,416:31:0	
2103	0	364	16:47:49.800	20EB5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,842,416:41:0	
2104	0	364	16:48:15.800	20EB4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,842,416:80:0	
2105	0	364	16:48:16.000	29NNAURORA05-		-----STOP-------		2R0	4	0	: :	
2106	0	364	16:48:22.466	165EB4A	7SCAN	NORM,56.545,18.3	Check S/P Position	2R0	4	0	5,842,416:90:0	
2107	0	364	16:49:19.133	125EB	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,842,417:84:0	
2108	0	364	16:49:19.133	125EB4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R0	4	0	5,842,417:84:0	
2109	0	364	16:49:19.133	125EB11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	5,842,417:84:0	
2110	0	364	16:51:20.466	127EB	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,842,419:84:0	
2111	0	364	16:51:20.466	127EB4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,842,419:84:0	
2112	0	364	16:51:21.133	127EB4B	37ETB	07,C7,30,3C,D7,0	Loads wavelength edit table	4R3	4	0	5,842,419:85:0	
2113	0	364	16:51:29.132	29JNAURORA05-		-----START------		4R3	4	0	: :	
2114	0	364	16:51:29.133	127EB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,420:06:0	
2115	0	364	16:52:14.466	175EB422A6A	6DMSC	R7,3	DMS Control	4R3	4	0	5,842,420:74:0	
2116	0	364	16:52:14.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 821.12 +/- 3	4R3	4	0	5,842,420:74:0	
2117	0	364	16:52:16.466	117EB	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,842,420:77:0	
2118	0	364	16:52:21.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 821.12 +/- 3	4R3	4	0	5,842,420:84:0	
2119	0	364	16:52:22.466	175EB176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	5,842,420:86:0	
2120	0	364	16:52:22.533		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC * 821.24 +/- 3	4R3	4	0	5,842,420:86:1	
2121	0	364	16:52:22.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 821.24 +/- 3	4R3	4	0	5,842,420:86:1	
2122	0	364	16:52:25.133	29JNAURORA05-	NIMPBK	301EB	JUPITER AURORA OBSERVATION	4R3	4	0	: :	
2123	0	364	16:52:25.800	117EB105A106A4A	7STRP	-0.0054,0.0,0,0,	Slew =,0.03	4R3	4	0	5,842,421:00:0	
2124	0	364	16:55:29.800	117EB105A106A4B	7STRP	0.0056,0.005003,	Slew =12.01	4R3	4	0	5,842,424:03:0	
2125	0	364	16:55:46.466	117EB105A106A4C	7STRP	-0.0054,0.0,0,0,	Slew =,0.03	4R3	4	0	5,842,424:28:0	
2126	0	364	16:58:50.466	117EB105A106A4D	7STRP	0.0056,0.005003,	Slew =12.01	4R3	4	0	5,842,427:31:0	
2127	0	364	16:59:07.133	117EB105A106A4E	7STRP	-0.0054,0.0,0,0,	Slew =,0.03	4R3	4	0	5,842,427:56:0	
2128	0	364	16:59:59.800	480SF6A	6MROH	44,23E8,0,A10	read from LLM2A44,23E8,0,A1	4R3	4	0	5,842,428:44:0	
2129	0	364	17:01:19.800	480SF6B	6MROH	45,23E8,0,B10	read from LLM2B45,23E8,0,B1	4R3	4	0	5,842,429:73:0	
2130	0	364	17:02:11.133	117EB105A106A4F	7STRP	0.0056,0.005003,	Slew =12.01	4R3	4	0	5,842,430:59:0	
2131	0	364	17:02:27.800	117EB105A106A4G	7STRP	-0.0054,0.0,0,0,	Slew =,0.03	4R3	4	0	5,842,430:84:0	
2132	0	364	17:05:21.133	29JNAURORA05-	DESELC	300EB	JUPITER AURORA OBSERVATION	4R3	4	0	: :	
2133	0	364	17:05:23.133		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *1004.20 +/- 3	4R3	4	0	5,842,433:74:0	
2134	0	364	17:05:23.133	175EB6A	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5,842,433:74:0	
2135	0	364	17:05:23.133	175EB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,433:74:0	
2136	0	364	17:05:24.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1004.26 +/- 3	4R3	4	0	5,842,433:75:8	
2137	0	364	17:05:31.800	117EB11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,842,433:87:0	
2138	0	364	17:05:38.466	29JNAURORA05-		-----STOP-------		4R3	4	0	: :	
2139	0	364	17:20:43.800	165GQ4A	7SCAN	NORM,14.527,8.37	Check S/P Position	4R3	4	0	5,842,448:90:0	
2140	0	364	17:23:46.466	176GQ6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,842,452:00:0	
2141	0	364	17:24:37.800	117GQ	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,842,452:77:0	
2142	0	364	17:24:47.133	117GQ105A106A4A	7STRP	0.0009,-0.0033,0	Slew =,0.11	4R3	4	0	5,842,453:00:0	
2143	0	364	17:25:35.800	117GQ105A106A4B	7STRP	-0.0003,0.0032,0	Slew =12.01	4R3	4	0	5,842,453:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2144	0	364	17:25:52.466	117GQ105A106A4C	7STRP	0.0009,-0.0033,0	Slew =,0.11	4R3	4	0	5,842,454:07:0
2145	0	364	17:26:41.133	117GQ11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,842,454:80:0
2146	0	364	17:28:19.133	176GQ6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5,842,456:45:0
2147	0	364	17:28:21.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,842,456:48:0
2148	0	364	17:28:21.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1004.26 +/- 3	4R3	4	0	5,842,456:48:0
2149	0	364	17:28:27.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1004.26 +/- 3	4R3	4	0	5,842,456:58:0
2150	0	364	17:28:29.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *1004.38 +/- 3	4R3	4	0	5,842,456:60:1
2151	0	364	17:28:31.133		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *1004.83 +/- 3	4R3	4	0	5,842,456:63:0
2152	0	364	17:28:43.800		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *1007.80 +/- 3	4R3	4	0	5,842,456:82:0
2153	0	364	17:28:43.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,456:82:0
2154	0	364	17:28:45.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1007.86 +/- 3	4R3	4	0	5,842,456:83:8
2155	0	364	17:50:49.000	29NNAURORA06-		-----START------		4R3	4	0	: :
2156	0	364	17:50:49.800	20ED5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,842,478:69:0
2157	0	364	17:50:57.133	20ED5B	37MRL		Memory Realocate (software operates from R		4	0	5,842,478:80:0
2158	0	364	17:51:05.133	20ED6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,842,479:01:0
2159	0	364	17:51:15.133	20ED6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,842,479:16:0
2160	0	364	17:51:25.133	20ED5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,842,479:31:0
2161	0	364	17:51:31.800	20ED5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,842,479:41:0
2162	0	364	17:51:57.800	20ED4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,842,479:80:0
2163	0	364	17:51:58.000	29NNAURORA06-		-----STOP-------		2R0	4	0	: :
2164	0	364	17:52:09.132	29JNAURORA06-		-----START------		2R0	4	0	: :
2165	0	364	17:53:01.133	125ED	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,842,480:84:0
2166	0	364	17:53:01.133	125ED11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,842,480:84:0
2167	0	364	17:53:01.133	125ED4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R0	4	0	5,842,480:84:0
2168	0	364	17:53:12.466	165ED4A	7SCAN	NORM,58.421,18.5	Check S/P Position	4R0	4	0	5,842,481:10:0
2169	0	364	17:54:01.800	127ED4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,842,481:84:0
2170	0	364	17:54:01.800	127ED	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,842,481:84:0
2171	0	364	17:54:02.466	127ED4B	37ETB	07,C7,30,3C,D7,0	Loads wavelength edit table	4R3	4	0	5,842,481:85:0
2172	0	364	17:54:10.466	127ED11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,482:06:0
2173	0	364	17:55:56.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1007.86 +/- 3	4R3	4	0	5,842,483:74:0
2174	0	364	17:55:56.466	175ED422A6A	6DMSC	R7,3	DMS Control	4R3	4	0	5,842,483:74:0
2175	0	364	17:55:58.466	117ED	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,842,483:77:0
2176	0	364	17:56:03.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1007.86 +/- 3	4R3	4	0	5,842,483:84:0
2177	0	364	17:56:04.466	175ED176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	5,842,483:86:0
2178	0	364	17:56:04.533		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *1007.98 +/- 3	4R3	4	0	5,842,483:86:1
2179	0	364	17:56:04.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1007.98 +/- 3	4R3	4	0	5,842,483:86:1
2180	0	364	17:56:07.133	29JNAURORA06-	NIMPBK	301ED	JUPITER AURORA OBSERVATION	4R3	4	0	: :
2181	0	364	17:56:07.800	117ED105A106A4A	7STRP	-0.0072,-0.05100	Slew =,0.58	4R3	4	0	5,842,484:00:0
2182	0	364	17:57:06.466	29JNAURORA06-	NIMPBK	301DS	JUPITER AURORA OBSERVATION	4R3	4	0	: :
2183	0	364	17:57:51.133	29JNAURORA06-	DESELC	300DS	JUPITER AURORA OBSERVATION	4R3	4	0	: :
2184	0	364	17:59:59.800	488AJ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	5,842,487:75:0
2185	0	364	18:06:11.133	117ED11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,842,493:86:0
2186	0	364	18:06:15.133	29JNAURORA06-	DESELC	300ED	JUPITER AURORA OBSERVATION	4R3	4	0	: :
2187	0	364	18:06:18.466	29JNAURORA06-		-----STOP-------		4R3	4	0	: :
2188	0	364	18:07:14.466	165EE4A	7SCAN	NORM,60.003,26.8	Check S/P Position	4R3	4	0	5,842,494:90:0
2189	0	364	18:07:19.132	29JNLIMBRT06-		-----START------		4R3	4	0	: :
2190	0	364	18:09:05.133		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *1190.93 +/- 3	4R3	4	0	5,842,496:74:0
2191	0	364	18:09:05.133	175ED6A	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5,842,496:74:0
2192	0	364	18:09:05.133	175ED422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,496:74:0
2193	0	364	18:09:06.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1190.99 +/- 3	4R3	4	0	5,842,496:75:8
2194	0	364	18:09:07.133	117EE	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,842,496:77:0
2195	0	364	18:09:16.466	117EE105A106A4A	7STRP	0.0095,0.0,0,0,0	Slew =,0.02	4R3	4	0	5,842,497:00:0
2196	0	364	18:10:12.466	127EE4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,842,497:84:0
2197	0	364	18:10:12.466	127EE	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,842,497:84:0
2198	0	364	18:10:13.133	127EE4B	37ETB	07,C7,14,00,FF,2	Loads wavelength edit table	4R3	4	0	5,842,497:85:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2199	0	364	18:10:21.133	127EE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,498:06:0	
2200	**0**	**364**	**18:10:21.133**	**432EE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**5,842,498:06:0**	
2201	**0**	**364**	**18:15:23.133**	**432FE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**5,842,503:04:0**	
2202	0	364	18:17:18.466	117EE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,842,504:86:0	
2203	**0**	**364**	**18:17:25.799**	**29JNLIMBRT06-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2204	0	364	18:25:26.466	165GF4A	7SCAN	NORM,83.002999,2	Check S/P Position	4R3	4	0	5,842,512:90:0	
2205	0	364	18:28:29.133	176GR6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,842,516:00:0	
2206	0	364	18:29:20.466	117GF	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,842,516:77:0	
2207	0	364	18:29:29.800	117GF105A106A4A	7STRP	-0.001,0.00245,0	Slew =,0.12	4R3	4	0	5,842,517:00:0	
2208	0	364	18:30:18.466	117GF105A106A4B	7STRP	0.00115,-0.00245	Slew =12.01	4R3	4	0	5,842,517:73:0	
2209	0	364	18:30:31.800	117GF105A106A4C	7STRP	-0.001,0.00245,0	Slew =,0.12	4R3	4	0	5,842,518:02:0	
2210	0	364	18:31:20.466	117GF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,842,518:75:0	
2211	0	364	18:33:01.800	176GR6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,842,520:45:0	
2212	0	364	18:33:03.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1190.99 +/- 3	4R3	4	0	5,842,520:48:0	
2213	0	364	18:33:03.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,842,520:48:0	
2214	0	364	18:33:10.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1190.99 +/- 3	4R3	4	0	5,842,520:58:0	
2215	0	364	18:33:11.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *1191.11 +/- 3	4R3	4	0	5,842,520:60:1	
2216	0	364	18:33:13.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1191.57 +/- 3	4R3	4	0	5,842,520:63:0	
2217	0	364	18:33:26.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,520:82:0	
2218	0	364	18:33:26.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1194.53 +/- 3	4R3	4	0	5,842,520:82:0	
2219	0	364	18:33:27.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1194.59 +/- 3	4R3	4	0	5,842,520:83:8	
2220	**0**	**364**	**19:09:41.000**	**29NNAURORA07-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2221	**0**	**364**	**19:09:41.800**	**20EF5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,842,556:69:0**	
2222	**0**	**364**	**19:09:49.133**	**20EF5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,842,556:80:0**	
2223	**0**	**364**	**19:09:57.133**	**20EF6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,842,557:01:0**	
2224	**0**	**364**	**19:10:07.133**	**20EF6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,842,557:16:0**	
2225	**0**	**364**	**19:10:17.133**	**20EF5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,842,557:31:0**	
2226	**0**	**364**	**19:10:23.800**	**20EF5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,842,557:41:0**	
2227	**0**	**364**	**19:10:49.800**	**20EF4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,842,557:80:0**	
2228	**0**	**364**	**19:10:50.000**	**29NNAURORA07-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2229	0	364	19:10:56.466	165EF4A	**7SCAN**	**NORM,62.164,19.5**	**Check S/P Position**	2R0	4	0	5,842,557:90:0	
2230	0	364	19:11:53.133	125EF11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,842,558:84:0	
2231	**0**	**364**	**19:11:53.133**	**125EF4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**5,842,558:84:0**	
2232	0	364	19:11:53.133	125EF	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	5,842,558:84:0	
2233	**0**	**364**	**19:13:02.466**	**29JNAURORA07-**		**-----START------**		**4R0**	**4**	**0**	**: :**	
2234	0	364	19:13:54.466	127EF	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,842,560:84:0	
2235	**0**	**364**	**19:13:54.466**	**127EF4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**5,842,560:84:0**	
2236	**0**	**364**	**19:13:55.133**	**127EF4B**	**37ETB**	**07,C7,30,3C,D7,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**5,842,560:85:0**	
2237	0	364	19:14:03.133	127EF11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,561:06:0	
2238	0	364	19:14:48.466	175EF422A6A	6DMSC	R7,3	DMS Control	4R3	4	0	5,842,561:74:0	
2239	0	364	19:14:48.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1194.59 +/- 3	4R3	4	0	5,842,561:74:0	
2240	0	364	19:14:50.466	117EF	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,842,561:77:0	
2241	0	364	19:14:55.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1194.59 +/- 3	4R3	4	0	5,842,561:84:0	
2242	0	364	19:14:56.466	175EF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	5,842,561:86:0	
2243	0	364	19:14:56.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1194.71 +/- 3	4R3	4	0	5,842,561:86:1	
2244	0	364	19:14:56.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1194.71 +/- 3	4R3	4	0	5,842,561:86:1	
2245	**0**	**364**	**19:14:59.133**	**29JNAURORA07-**	**NIMPBK**	**301EF**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**	
2246	0	364	19:14:59.800	117EF105A106A4A	**7STRP**	**-0.021003,-0.031**	**Slew =,0.23**	4R3	4	0	5,842,562:00:0	
2247	0	364	19:27:04.466	117EF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,842,573:86:0	
2248	**0**	**364**	**19:27:10.466**	**29JNAURORA07-**	**DESELC**	**300EF**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**	
2249	**0**	**364**	**19:27:11.799**	**29JNAURORA07-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2250	0	364	19:27:57.133	175EF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,574:74:0	
2251	0	364	19:27:57.133	175EF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,842,574:74:0	
2252	0	364	19:27:57.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1377.67 +/- 3	4R3	4	0	5,842,574:74:0	
2253	0	364	19:27:58.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1377.73 +/- 3	4R3	4	0	5,842,574:75:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2254	0	364	19:28:03.800	125EG4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R3	4	0	5,842,574:84:0
2255	0	364	19:28:03.800	125EG11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,842,574:84:0
2256	0	364	19:28:03.800	125EG	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,842,574:84:0
2257	0	364	19:28:07.800	165EG4A	7SCAN	NORM,63.825,27.2	Check S/P Position	4R3	4	0	5,842,574:90:0
2258	0	364	19:28:12.466	29JNLIMBRT07-		-----START------		4R3	4	0	: :
2259	0	364	19:29:04.466	127EG	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,842,575:84:0
2260	0	364	19:29:04.466	127EG4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,842,575:84:0
2261	0	364	19:29:05.133	127EG4B	37ETB	07,C7,14,00,FF,2	Loads wavelength edit table	4R3	4	0	5,842,575:85:0
2262	0	364	19:29:13.133	127EG11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,576:06:0
2263	0	364	19:30:00.466	117EG	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,842,576:77:0
2264	0	364	19:30:09.800	117EG105A106A4A	7STRP	0.0095,0.0,0,0,0	Slew =,0.02	4R3	4	0	5,842,577:00:0
2265	0	364	19:31:14.466	432EG6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	5,842,578:06:0
2266	0	364	19:36:16.466	432FG6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	5,842,583:04:0
2267	0	364	19:38:11.800	117EG11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,842,584:86:0
2268	0	364	19:38:19.132	29JNLIMBRT07-		-----STOP-------		4R3	4	0	: :
2269	0	364	19:57:07.133	165IS4A	7SCAN	NORM,88.167999,2	Check S/P Position	4R3	4	0	5,842,603:60:0
2270	0	364	20:00:19.800	175IS422A6A	6DMSC	R806,3	DMS Control	4R3	4	0	5,842,606:76:0
2271	0	364	20:00:19.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1377.73 +/- 3	4R3	4	0	5,842,606:76:0
2272	0	364	20:00:26.466		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 1377.73 +/- 3	4R3	4	0	5,842,606:86:0
2273	0	364	20:00:28.466	165IS4B	7VECT		Inert vect update UTC	4R3	4	0	5,842,606:89:0
2274	0	364	20:00:31.133	175IS176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	5,842,607:02:0
2275	0	364	20:00:31.733		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 1443.73 +/- 3	4R3	4	0	5,842,607:02:9
2276	0	364	20:00:31.733		DMS:	: *RECORD	R806, TRACK 3, FWD, TIC *1443.73 +/- 3	4R3	4	0	5,842,607:02:9
2277	0	364	20:00:33.800	118IS	SMOS	GS		4R3	4	0	5,842,607:06:0
2278	0	364	20:00:35.800	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,607:09:0
2279	0	364	20:00:35.800		DMS:	: *RUNDOWN	R806, TRACK 3, FWD, TIC *1543.81 +/- 3	4R3	4	0	5,842,607:09:0
2280	0	364	20:00:38.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1555.31 +/- 3	4R3	4	0	5,842,607:13:1
2281	0	364	20:00:45.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1555.31 +/- 3	4R3	4	0	5,842,607:24:0
2282	0	364	20:00:45.800	175IU422A6A	6DMSC	R806,3	DMS Control	4R3	4	0	5,842,607:24:0
2283	0	364	20:00:49.133	118IS110A111A4A	7STRP	0.0038,0.0,26,0,	Slew =,1.91	4R3	4	0	5,842,607:29:0
2284	0	364	20:00:52.466		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 1555.31 +/- 3	4R3	4	0	5,842,607:34:0
2285	0	364	20:00:57.133	175IU176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	5,842,607:41:0
2286	0	364	20:00:57.733		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 1621.31 +/- 3	4R3	4	0	5,842,607:41:9
2287	0	364	20:00:57.733		DMS:	: *RECORD	R806, TRACK 3, FWD, TIC *1621.31 +/- 3	4R3	4	0	5,842,607:41:9
2288	0	364	20:00:57.800	118IS11A	SMOS	GE		4R3	4	0	5,842,607:42:0
2289	0	364	20:01:01.800		DMS:	: *RUNDOWN	R806, TRACK 3, FWD, TIC *1721.38 +/- 3	4R3	4	0	5,842,607:48:0
2290	0	364	20:01:01.800	175IU422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,607:48:0
2291	0	364	20:01:04.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1732.88 +/- 4	4R3	4	0	5,842,607:52:1
2292	0	364	20:10:21.000	29NNAURORA08-		-----START------		4R3	4	0	: :
2293	0	364	20:10:21.800	20EH5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,842,616:69:0
2294	0	364	20:10:29.133	20EH5B	37MRL		Memory Realocate (software operates from R		4	0	5,842,616:80:0
2295	0	364	20:10:37.133	20EH6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,842,617:01:0
2296	0	364	20:10:47.133	20EH6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,842,617:16:0
2297	0	364	20:10:57.133	20EH5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,842,617:31:0
2298	0	364	20:11:03.800	20EH5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,842,617:41:0
2299	0	364	20:11:29.800	20EH4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,842,617:80:0
2300	0	364	20:11:30.000	29NNAURORA08-		-----STOP-------		2R0	4	0	: :
2301	0	364	20:11:36.466	165EH4A	7SCAN	NORM,64.719999,2	Check S/P Position	2R0	4	0	5,842,617:90:0
2302	0	364	20:12:33.133	125EH4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R0	4	0	5,842,618:84:0
2303	0	364	20:12:33.133	125EH11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	5,842,618:84:0
2304	0	364	20:12:33.133	125EH	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	5,842,618:84:0
2305	0	364	20:13:42.466	29JNAURORA08-		-----START------		4R0	4	0	: :
2306	0	364	20:14:34.466	127EH	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,842,620:84:0
2307	0	364	20:14:34.466	127EH4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,842,620:84:0
2308	0	364	20:14:35.133	127EH4B	37ETB	07,C7,30,3C,D7,0	Loads wavelength edit table	4R3	4	0	5,842,620:85:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2309	0	364	20:14:43.133	127EH11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,621:06:0	
2310	0	364	20:15:28.466	175EH422A6A	6DMSC	R7,3	DMS Control	4R3	4	0	5,842,621:74:0	
2311	0	364	20:15:28.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1732.88 +/- 4	4R3	4	0	5,842,621:74:0	
2312	0	364	20:15:30.466	117EH	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,842,621:77:0	
2313	0	364	20:15:35.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1732.88 +/- 4	4R3	4	0	5,842,621:84:0	
2314	0	364	20:15:36.466	175EH176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	5,842,621:86:0	
2315	0	364	20:15:36.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1733.00 +/- 4	4R3	4	0	5,842,621:86:1	
2316	0	364	20:15:36.533		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *1733.00 +/- 4	4R3	4	0	5,842,621:86:1	
2317	0	364	20:15:39.133	29JNAURORA08-	NIMPBK	301EH	JUPITER AURORA OBSERVATION	4R3	4	0	: :	
2318	0	364	20:15:39.800	117EH105A106A4A	7STRP	-0.024705,-0.025	Slew =,0.16	4R3	4	0	5,842,622:00:0	
2319	0	364	20:19:57.800	29JNAURORA08-	NIMPBK	301DY	JUPITER AURORA OBSERVATION	4R3	4	0	: :	
2320	0	364	20:20:17.800	29JNAURORA08-	DESELC	300DY	JUPITER AURORA OBSERVATION	4R3	4	0	: :	
2321	0	364	20:27:47.133	117EH11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,842,633:90:0	
2322	0	364	20:27:51.799	29JNAURORA08-		-----STOP-------		4R3	4	0	: :	
2323	0	364	20:27:53.133	29JNAURORA08-	DESELC	300EH	JUPITER AURORA OBSERVATION	4R3	4	0	: :	
2324	0	364	20:28:37.133		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *1915.96 +/- 4	4R3	4	0	5,842,634:74:0	
2325	0	364	20:28:37.133	175EH6A	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5,842,634:74:0	
2326	0	364	20:28:37.133	175EH422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,634:74:0	
2327	0	364	20:28:38.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1916.02 +/- 4	4R3	4	0	5,842,634:75:8	
2328	0	364	20:38:02.466	20MC6A	6CKSUM	MAG,4040,46F0		4R3	4	0	5,842,644:12:0	
2329	0	364	20:38:59.133	480MB6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	4R3	4	0	5,842,645:06:0	
2330	0	364	20:38:59.133	480MB6	6MROH	12	read from LLM1A12,2282,0,A2	4R3	4	0	5,842,645:06:0	
2331	0	364	20:44:58.466	165GR4A	7SCAN	NORM,28.664,14.0	Check S/P Position	4R3	4	0	5,842,650:90:0	
2332	0	364	20:48:01.133	176GS6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,842,654:00:0	
2333	0	364	20:48:52.466	117GR	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,842,654:77:0	
2334	0	364	20:49:01.800	117GR105A106A4A	7STRP	0.0006,-0.0024,0	Slew =,0.12	4R3	4	0	5,842,655:00:0	
2335	0	364	20:49:50.466	117GR105A106A4B	7STRP	0.0002,0.0022,0,	Slew =12.01	4R3	4	0	5,842,655:73:0	
2336	0	364	20:50:05.800	117GR105A106A4C	7STRP	0.0006,-0.0024,0	Slew =,0.12	4R3	4	0	5,842,656:05:0	
2337	0	364	20:50:54.466	117GR11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,842,656:78:0	
2338	0	364	20:52:33.800	176GS6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5,842,658:45:0	
2339	0	364	20:52:35.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1916.02 +/- 4	4R3	4	0	5,842,658:48:0	
2340	0	364	20:52:35.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,842,658:48:0	
2341	0	364	20:52:42.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1916.02 +/- 4	4R3	4	0	5,842,658:58:0	
2342	0	364	20:52:43.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *1916.14 +/- 4	4R3	4	0	5,842,658:60:1	
2343	0	364	20:52:45.800		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *1916.59 +/- 4	4R3	4	0	5,842,658:63:0	
2344	0	364	20:52:58.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,658:82:0	
2345	0	364	20:52:58.466		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *1919.56 +/- 4	4R3	4	0	5,842,658:82:0	
2346	0	364	20:52:59.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1919.62 +/- 4	4R3	4	0	5,842,658:83:8	
2347	0	364	20:55:05.800	192GT4A	7CONE	9.0,0.0	Check S/P Position	4R3	4	0	5,842,661:00:0	
2348	0	364	21:02:10.466	176GT6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,842,668:00:0	
2349	0	364	21:04:25.133	176GT6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5,842,670:20:0	
2350	0	364	21:04:27.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,842,670:23:0	
2351	0	364	21:04:27.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1919.62 +/- 4	4R3	4	0	5,842,670:23:0	
2352	0	364	21:04:33.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1919.62 +/- 4	4R3	4	0	5,842,670:33:0	
2353	0	364	21:04:35.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *1919.74 +/- 4	4R3	4	0	5,842,670:35:1	
2354	0	364	21:04:37.133		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *1920.19 +/- 4	4R3	4	0	5,842,670:38:0	
2355	0	364	21:04:48.466		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *1922.85 +/- 4	4R3	4	0	5,842,670:55:0	
2356	0	364	21:04:48.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,670:55:0	
2357	0	364	21:04:49.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1922.91 +/- 4	4R3	4	0	5,842,670:56:8	
2358	0	364	21:07:13.800	192GT4B	7CONE	9.0,90.0	Check S/P Position	4R3	4	0	5,842,673:00:0	
2359	0	364	21:10:00.000	29NNAURORA09-		-----START------		4R3	4	0	: :	
2360	0	364	21:10:01.133	20EK5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,842,675:69:0	
2361	0	364	21:10:08.466	20EK5B	37MRL		Memory Realocate (software operates from R		4	0	5,842,675:80:0	
2362	0	364	21:10:16.466	20EK6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,842,676:01:0	
2363	0	364	21:10:26.466	20EK6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,842,676:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2364	**0**	**364**	**21:10:36.466**	**20EK5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,842,676:31:0**	
2365	**0**	**364**	**21:10:43.133**	**20EK5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,842,676:41:0**	
2366	**0**	**364**	**21:11:09.133**	**20EK4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,842,676:80:0**	
2367	**0**	**364**	**21:11:10.000**	**29NNAURORA09-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2368	0	364	21:12:12.466	125EK	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,842,677:84:0	
2369	**0**	**364**	**21:12:12.466**	**125EK4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**5,842,677:84:0**	
2370	0	364	21:12:12.466	125EK11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	5,842,677:84:0	
2371	0	364	21:13:17.133	165EK4A	**7SCAN**	**NORM,67.172999,2**	**Check S/P Position**	4R0	4	0	5,842,678:90:0	
2372	0	364	21:14:13.800	127EK	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,842,679:84:0	
2373	**0**	**364**	**21:14:13.800**	**127EK4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**5,842,679:84:0**	
2374	**0**	**364**	**21:14:14.466**	**127EK4B**	**37ETB**	**07,C7,30,3C,D7,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**5,842,679:85:0**	
2375	0	364	21:14:22.466	127EK11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,680:06:0	
2376	**0**	**364**	**21:14:22.466**	**29JNAURORA09-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2377	0	364	21:17:09.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1922.91 +/- 4	4R3	4	0	5,842,682:74:0	
2378	0	364	21:17:09.133	175EK422A6A	6DMSC	R7,3	DMS Control	4R3	4	0	5,842,682:74:0	
2379	0	364	21:17:11.133	117EK	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,842,682:77:0	
2380	0	364	21:17:15.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1922.91 +/- 4	4R3	4	0	5,842,682:84:0	
2381	0	364	21:17:17.133	175EK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	5,842,682:86:0	
2382	0	364	21:17:17.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1923.03 +/- 4	4R3	4	0	5,842,682:86:1	
2383	0	364	21:17:17.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1923.03 +/- 4	4R3	4	0	5,842,682:86:1	
2384	**0**	**364**	**21:17:19.800**	**29JNAURORA09-**	**NIMPBK**	**301EK**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**	
2385	0	364	21:17:20.466	117EK105A106A4A	**7STRP**	**-0.028808,-0.024**	**Slew =,0.12**	4R3	4	0	5,842,683:00:0	
2386	**0**	**364**	**21:28:31.799**	**29JNAURORA09-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2387	**0**	**364**	**21:30:15.800**	**29JNAURORA09-**	**DESELC**	**300EK**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**	
2388	0	364	21:30:17.800	175EK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,695:74:0	
2389	0	364	21:30:17.800	175EK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,842,695:74:0	
2390	0	364	21:30:17.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2105.98 +/- 4	4R3	4	0	5,842,695:74:0	
2391	0	364	21:30:19.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2106.04 +/- 4	4R3	4	0	5,842,695:75:8	
2392	0	364	21:30:28.466	117EK11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,842,695:90:0	
2393	0	364	21:59:59.800	480SG6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	4R3	4	0	5,842,725:17:0	
2394	0	364	22:06:39.800	480SG6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	4R3	4	0	5,842,731:71:0	
2395	**0**	**364**	**22:10:41.000**	**29NNAURORA10-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2396	**0**	**364**	**22:10:41.133**	**20EL5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,842,735:69:0**	
2397	**0**	**364**	**22:10:48.466**	**20EL5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,842,735:80:0**	
2398	**0**	**364**	**22:10:56.466**	**20EL6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,842,736:01:0**	
2399	**0**	**364**	**22:11:06.466**	**20EL6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,842,736:16:0**	
2400	**0**	**364**	**22:11:16.466**	**20EL5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,842,736:31:0**	
2401	**0**	**364**	**22:11:23.133**	**20EL5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,842,736:41:0**	
2402	**0**	**364**	**22:11:49.133**	**20EL4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,842,736:80:0**	
2403	**0**	**364**	**22:11:50.000**	**29NNAURORA10-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2404	0	364	22:11:55.800	165EL4A	**7SCAN**	**NORM,69.778,21.1**	**Check S/P Position**	2R0	4	0	5,842,736:90:0	
2405	**0**	**364**	**22:12:52.466**	**125EL4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**5,842,737:84:0**	
2406	0	364	22:12:52.466	125EL	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	5,842,737:84:0	
2407	0	364	22:12:52.466	125EL11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	5,842,737:84:0	
2408	0	364	22:14:53.800	127EL	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,842,739:84:0	
2409	**0**	**364**	**22:14:53.800**	**127EL4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**5,842,739:84:0**	
2410	**0**	**364**	**22:14:54.466**	**127EL4B**	**37ETB**	**07,C7,30,3C,D7,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**5,842,739:85:0**	
2411	**0**	**364**	**22:15:02.466**	**29JNAURORA10-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2412	0	364	22:15:02.466	127EL11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,842,740:06:0	
2413	0	364	22:15:47.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2106.04 +/- 4	4R3	4	0	5,842,740:74:0	
2414	0	364	22:15:47.800	175EL422A6A	6DMSC	R7,3	DMS Control	4R3	4	0	5,842,740:74:0	
2415	0	364	22:15:49.800	117EL	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	5,842,740:77:0	
2416	0	364	22:15:54.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2106.04 +/- 4	4R3	4	0	5,842,740:84:0	
2417	0	364	22:15:55.800	175EL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	5,842,740:86:0	
2418	0	364	22:15:55.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2106.16 +/- 4	4R3	4	0	5,842,740:86:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2419	0	364	22:15:55.866		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *2106.16 +/- 4	4R3	4	0	5,842,740:86:1
2420	**0**	**364**	**22:15:58.466**	**29JNAURORA10-**	**NIMPBK**	**301EL**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**
2421	0	364	22:15:59.133	117EL105A106A4A	**7STRP**	**-0.029008,-0.023**	**Slew =0,0.1**	4R3	4	0	5,842,741:00:0
2422	**0**	**364**	**22:17:15.133**	**29JNAURORA10-**	**NIMPBK**	**301FR**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**
2423	**0**	**364**	**22:17:33.800**	**29JNAURORA10-**	**DESELC**	**300FR**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**
2424	**0**	**364**	**22:19:51.133**	**29JNAURORA10-**	**NIMPBK**	**301FS**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**
2425	**0**	**364**	**22:27:27.133**	**29JNAURORA10-**	**DESELC**	**300FS**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**
2426	**0**	**364**	**22:28:54.466**	**29JNAURORA10-**	**DESELC**	**300EL**	**JUPITER AURORA OBSERVATION**	**4R3**	**4**	**0**	**: :**
2427	0	364	22:28:56.466	175EL422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,842,753:74:0
2428	0	364	22:28:56.466	175EL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	5,842,753:74:0
2429	0	364	22:28:56.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2289.11 +/- 4	4R3	4	0	5,842,753:74:0
2430	0	364	22:28:57.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2289.17 +/- 4	4R3	4	0	5,842,753:75:8
2431	0	364	22:29:04.466	117EL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	5,842,753:86:0
2432	**0**	**364**	**22:29:11.799**	**29JNAURORA10-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
2433	0	364	22:41:39.133	488AK6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	5,842,766:35:0
2434	0	365	00:24:55.133	432OU431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	5,842,868:47:0
2435	0	365	00:24:55.800	432OU6A	6RTSL1		R/T Select of DDS and	4R3	4	0	5,842,868:48:0
2436	0	365	00:45:18.466	488AK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	5,842,888:62:0
2437	0	365	00:59:59.800	20TS4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4R3	4	0	5,842,903:19:0
2438	0	365	01:00:49.800	20TS4B	7SLEW	DIS,POS,0.0	Stator movement	4R3	4	0	5,842,904:03:0
2439	0	365	01:00:57.800	20TS4F	7STAR	1,1610,278.814,3	Star catalog update	4R3	4	0	5,842,904:15:0
2440	0	365	01:00:59.800	20TS4G	7STAR	2,383,331.275,-4	Star catalog update	4R3	4	0	5,842,904:18:0
2441	0	365	01:01:01.800	20TS4H	7STAR	3,147,167.865,20	Star catalog update	4R3	4	0	5,842,904:21:0
2442	0	365	01:01:03.800	20TS4I	7STAR	4,0,0.0,0.0	Star catalog update	4R3	4	0	5,842,904:24:0
2443	0	365	01:01:05.800	20TS4J	7STAR	5,0,0.0,0.0	Star catalog update	4R3	4	0	5,842,904:27:0
2444	0	365	01:01:07.800	20TS4K	7STAR	6,0,0.0,0.0	Star catalog update	4R3	4	0	5,842,904:30:0
2445	0	365	01:05:02.466	432OE431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	5,842,908:18:0
2446	0	365	01:05:03.133	432OE6A	6RTSL1		R/T Select of DDS and	4R3	4	0	5,842,908:19:0
2447	0	365	01:15:57.133	20UO4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R3	4	0	5,842,918:90:0
2448	0	365	01:22:59.800	488AK6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R3	4	0	5,842,925:87:0
2449	0	365	01:51:42.466	488AK6D	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	4R3	4	0	5,842,954:32:0
2450	0	365	01:58:59.800	20SV4I	**7MODE**	**INT**	AACS INERTIAL MODE	4R3	4	0	5,842,961:51:0
2451	0	365	02:13:59.800	20SV4K	7SLEW	INIT,POS,17.45	Stator movement	4R3	4	0	5,842,976:36:0
2452	0	365	02:25:21.133	488AK6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R3	4	0	5,842,987:57:0
2453	0	365	02:25:59.800	20SV4L	7SLEW	DIS,POS,0.0	Stator movement	4R3	4	0	5,842,988:24:0
2454	0	365	02:32:59.800	20SV4M	7SLEW	INIT,NEG,17.45	Stator movement	4R3	4	0	5,842,995:17:0
2455	0	365	02:44:59.800	20SV4N	7SLEW	DIS,POS,0.0	Stator movement	4R3	4	0	5,843,007:05:0
2456	0	365	02:56:59.800	20SV4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4R3	4	0	5,843,018:84:0
2457	0	365	03:32:59.800	488AL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	5,843,054:48:0
2458	0	365	03:44:59.800	480SH6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	4R3	4	0	5,843,066:36:0
2459	0	365	03:51:39.800	480SH6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	4R3	4	0	5,843,072:90:0
2460	**0**	**365**	**04:24:47.000**	**29NNSTZRLT03-**		**-----START------**		**4R3**	**4**	**0**	**: :**
2461	**0**	**365**	**04:24:47.733**	**20EP5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,843,105:69:0**
2462	**0**	**365**	**04:24:55.066**	**20EP5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,843,105:80:0**
2463	**0**	**365**	**04:25:03.066**	**20EP6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,843,106:01:0**
2464	**0**	**365**	**04:25:13.066**	**20EP6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,843,106:16:0**
2465	**0**	**365**	**04:25:23.066**	**20EP5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,843,106:31:0**
2466	**0**	**365**	**04:25:24.400**	**20EP5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,843,106:33:0**
2467	**0**	**365**	**04:25:55.733**	**20EP4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,843,106:80:0**
2468	**0**	**365**	**04:25:56.000**	**29NNSTZRLT03-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
2469	**0**	**365**	**04:27:59.733**	**125EP4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,843,108:84:0**
2470	0	365	04:27:59.733	125EP	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,843,108:84:0
2471	0	365	04:28:03.733	165EP4A	**7SCAN**	**NORM,83.547999,2**	**Check S/P Position**	2R0	4	0	5,843,108:90:0
2472	**0**	**365**	**04:28:08.466**	**29JNSTZRLT03-**		**-----START------**		**2R0**	**4**	**0**	**: :**
2473	**0**	**365**	**04:29:00.400**	**125EP4B**	**37MB**	**11,11,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,843,109:84:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2474	0	365	04:29:00.400	125EP11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,843,109:84:0
2475	0	365	04:30:01.066	127EP	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,843,110:84:0
2476	0	365	04:30:01.066	127EP4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,843,110:84:0
2477	0	365	04:30:01.733	127EP4B	37ETB	07,C7,1A,3C,D7,1	Loads wavelength edit table	2R3	4	0	5,843,110:85:0
2478	0	365	04:30:09.733	127EP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,843,111:06:0
2479	0	365	04:30:09.733	432ET6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,843,111:06:0
2480	0	365	04:31:57.733	117EP	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,843,112:77:0
2481	0	365	04:32:07.066	117EP105A106A4A	7STRP	0.018002,0.003,0	Slew =,0.03	2R3	4	0	5,843,113:00:0
2482	0	365	04:40:15.066	432FT6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,843,121:04:0
2483	0	365	04:41:59.000	29NNWHTOVL01-		-----START------		2R3	4	0	: :
2484	0	365	04:41:59.066	20EQ5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,843,122:69:0
2485	0	365	04:42:06.400	20EQ5B	37MRL		Memory Realocate (software operates from R		4	0	5,843,122:80:0
2486	0	365	04:42:13.733	117EP11A	CSMOS	GE	***** GROUP END CSMOS		4	0	5,843,123:00:0
2487	0	365	04:42:14.400	20EQ6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,843,123:01:0
2488	0	365	04:42:17.799	29JNSTZRLT03-		-----STOP-------			4	0	: :
2489	0	365	04:42:24.400	20EQ6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,843,123:16:0
2490	0	365	04:42:34.400	20EQ5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,843,123:31:0
2491	0	365	04:42:35.733	20EQ5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,843,123:33:0
2492	0	365	04:43:07.066	20EQ4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,843,123:80:0
2493	0	365	04:43:08.000	29NNWHTOVL01-		-----STOP-------		2R0	4	0	: :
2494	0	365	04:43:13.733	165EQ4A	7SCAN	NORM,83.745,23.8	Check S/P Position	2R0	4	0	5,843,123:90:0
2495	0	365	04:43:18.466	29JNWHTOVL01-		-----START------		2R0	4	0	: :
2496	0	365	04:44:10.400	125EQ11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,843,124:84:0
2497	0	365	04:44:10.400	125EQ	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,843,124:84:0
2498	0	365	04:44:10.400	125EQ4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,843,124:84:0
2499	0	365	04:45:11.066	127EQ	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,843,125:84:0
2500	0	365	04:45:11.066	127EQ4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,843,125:84:0
2501	0	365	04:45:11.733	127EQ4B	37ETB	07,C7,30,3C,D7,0	Loads wavelength edit table	2R3	4	0	5,843,125:85:0
2502	0	365	04:45:19.733	127EQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,843,126:06:0
2503	0	365	04:47:05.733	175EQ422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	5,843,127:74:0
2504	0	365	04:47:05.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2289.17 +/- 4	2R3	4	0	5,843,127:74:0
2505	0	365	04:47:07.733	117EQ	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,843,127:77:0
2506	0	365	04:47:12.400		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2289.17 +/- 4	2R3	4	0	5,843,127:84:0
2507	0	365	04:47:13.733	175EQ176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	5,843,127:86:0
2508	0	365	04:47:13.800		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *2289.29 +/- 4	2R3	4	0	5,843,127:86:1
2509	0	365	04:47:13.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2289.29 +/- 4	2R3	4	0	5,843,127:86:1
2510	0	365	04:47:16.400	29JNWTOVAL01-	NIMPBK	301EQ	JUPITER WHITE OVAL OBSERVATION	2R3	4	0	: :
2511	0	365	04:47:17.066	117EQ105A106A4A	7STRP	0.028908,0.006,0	Slew =,0.03	2R3	4	0	5,843,128:00:0
2512	0	365	04:50:15.733	29JNWTOVAL01-	NIMPBK	301EI	JUPITER WHITE OVAL OBSERVATION	2R3	4	0	: :
2513	0	365	04:50:47.733	29JNWTOVAL01-	DESELC	300EI	JUPITER WHITE OVAL OBSERVATION	2R3	4	0	: :
2514	0	365	04:52:18.400	29JNWTOVAL01-	NIMPBK	301EM	JUPITER WHITE OVAL OBSERVATION	2R3	4	0	: :
2515	0	365	04:52:54.400	29JNWTOVAL01-	DESELC	300EM	JUPITER WHITE OVAL OBSERVATION	2R3	4	0	: :
2516	0	365	04:58:28.466	29JNWHTOVL01-		-----STOP-------		2R3	4	0	: :
2517	0	365	05:03:23.733	29JNWTOVAL01-	DESELC	300EQ	JUPITER WHITE OVAL OBSERVATION	2R3	4	0	: :
2518	0	365	05:03:25.733		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *2517.09 +/- 4	2R3	4	0	5,843,143:88:0
2519	0	365	05:03:25.733	175EQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,843,143:88:0
2520	0	365	05:03:25.733	175EQ6A	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,843,143:88:0
2521	0	365	05:03:26.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2517.15 +/- 4	2R3	4	0	5,843,143:89:8
2522	0	365	05:03:27.733	117EQ11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,843,144:00:0
2523	0	365	05:03:31.799	29JNJUPNTZ01-		-----START------		2R3	4	0	: :
2524	0	365	05:04:23.733	125ER	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	5,843,144:84:0
2525	0	365	05:04:23.733	125ER4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R3	4	0	5,843,144:84:0
2526	0	365	05:04:23.733	125ER11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	5,843,144:84:0
2527	0	365	05:04:27.733	165ER4A	7SCAN	NORM,79.384999,2	Check S/P Position	2R3	4	0	5,843,144:90:0
2528	0	365	05:05:24.400	127ER4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,843,145:84:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2529	0	365	05:05:24.400	127ER	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,843,145:84:0	
2530	**0**	**365**	**05:05:25.066**	**127ER4B**	**37ETB**	**07,C7,30,3C,D7,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,843,145:85:0**	
2531	0	365	05:05:33.066	127ER11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,843,146:06:0	
2532	0	365	05:07:19.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2517.15 +/- 4	2R3	4	0	5,843,147:74:0	
2533	0	365	05:07:19.066	175ER422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	5,843,147:74:0	
2534	0	365	05:07:21.066	117ER	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,843,147:77:0	
2535	0	365	05:07:25.733		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2517.15 +/- 4	2R3	4	0	5,843,147:84:0	
2536	0	365	05:07:27.066	175ER176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	5,843,147:86:0	
2537	0	365	05:07:27.133		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2517.27 +/- 4	2R3	4	0	5,843,147:86:1	
2538	0	365	05:07:27.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2517.27 +/- 4	2R3	4	0	5,843,147:86:1	
2539	**0**	**365**	**05:07:29.733**	**29JNJUPNTZ01-**	**NIMPBK**	**301ER**	**JUPITER NTZ OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2540	0	365	05:07:30.400	117ER105A106A4A	**7STRP**	**-0.058015,-0.006**	**Slew =,0.03**	2R3	4	0	5,843,148:00:0	
2541	**0**	**365**	**05:10:39.000**	**29JNJUPNTZ01-**	**NIMPBK**	**301FT**	**JUPITER NTZ OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2542	**0**	**365**	**05:12:03.000**	**29JNJUPNTZ01-**	**DESELC**	**300FT**	**JUPITER NTZ OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2543	**0**	**365**	**05:18:41.799**	**29JNJUPNTZ01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2544	**0**	**365**	**05:38:23.000**	**29JNJUPNTZ01-**	**NIMPBK**	**301FU**	**JUPITER NTZ OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2545	**0**	**365**	**05:39:33.066**	**29JNJUPNTZ01-**	**DESELC**	**300FU**	**JUPITER NTZ OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2546	**0**	**365**	**05:39:33.066**	**29JNJUPNTZ01-**	**DESELC**	**300ER**	**JUPITER NTZ OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2547	0	365	05:39:35.066	175ER6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,843,179:66:0	
2548	0	365	05:39:35.066	175ER422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,843,179:66:0	
2549	0	365	05:39:35.066		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2969.13 +/- 4	2R3	4	0	5,843,179:66:0	
2550	0	365	05:39:36.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2969.19 +/- 4	2R3	4	0	5,843,179:67:8	
2551	0	365	05:39:51.733	117ER11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,843,180:00:0	
2552	0	365	08:18:41.066	165IE4A	7SCAN	NORM,90.266,25.3	Check S/P Position	2R3	4	0	5,843,337:07:0	
2553	0	365	08:20:41.733	118IE	**SMOS**	GS		2R3	4	0	5,843,339:06:0	
2554	0	365	08:21:28.400	165IE4B	7VECT		Inert vect update UTC	2R3	4	0	5,843,339:76:0	
2555	0	365	08:21:31.733	118IE110A111A4A	7STRP	0.0038,0.0,182,0	Slew =,1.91	2R3	4	0	5,843,339:81:0	
2556	0	365	08:21:35.066	175IE422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,843,339:86:0	
2557	0	365	08:21:35.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2969.19 +/- 4	2R3	4	0	5,843,339:86:0	
2558	0	365	08:21:41.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2969.19 +/- 4	2R3	4	0	5,843,340:05:0	
2559	0	365	08:21:45.066	175IE176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	5,843,340:10:0	
2560	0	365	08:21:45.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2975.49 +/- 4	2R3	4	0	5,843,340:11:0	
2561	0	365	08:21:45.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2975.49 +/- 4	2R3	4	0	5,843,340:11:0	
2562	0	365	08:22:23.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3106.74 +/- 4	2R3	4	0	5,843,340:67:0	
2563	0	365	08:22:23.066	175IE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,843,340:67:0	
2564	0	365	08:22:24.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3107.74 +/- 4	2R3	4	0	5,843,340:68:8	
2565	0	365	08:22:32.400	118IE110A111A4B	7STRP	-0.0038,0.0,0,0,	Slew =,1.91	2R3	4	0	5,843,340:81:0	
2566	0	365	08:23:33.066	118IE110A111A4C	7STRP	0.0038,0.0,182,0	Slew =,1.91	2R3	4	0	5,843,341:81:0	
2567	0	365	08:23:36.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3107.74 +/- 4	2R3	4	0	5,843,341:86:0	
2568	0	365	08:23:36.400	175IR422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,843,341:86:0	
2569	0	365	08:23:43.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3107.74 +/- 4	2R3	4	0	5,843,342:05:0	
2570	0	365	08:23:46.400	175IR176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	5,843,342:10:0	
2571	0	365	08:23:47.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3114.04 +/- 4	2R3	4	0	5,843,342:11:0	
2572	0	365	08:23:47.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3114.04 +/- 4	2R3	4	0	5,843,342:11:0	
2573	0	365	08:24:24.400	175IR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,843,342:67:0	
2574	0	365	08:24:24.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3245.29 +/- 4	2R3	4	0	5,843,342:67:0	
2575	0	365	08:24:25.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3246.29 +/- 4	2R3	4	0	5,843,342:68:8	
2576	0	365	08:24:33.733	118IE11A	**SMOS**	GE		2R3	4	0	5,843,342:81:0	
2577	0	365	08:29:59.733	480SI6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,843,348:24:0	
2578	0	365	08:36:39.733	480SI6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,843,354:78:0	
2579	0	365	10:23:34.400	488AM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,843,460:54:0	
2580	0	365	10:27:00.400	165IK4A	7SCAN	NORM,83.259999,2	Check S/P Position	2R3	4	0	5,843,463:90:0	
2581	0	365	10:29:55.733	175IK422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,843,466:80:0	
2582	0	365	10:29:55.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3246.29 +/- 4	2R3	4	0	5,843,466:80:0	
2583	0	365	10:30:01.733	165IK4B	7VECT		Inert vect update UTC	2R3	4	0	5,843,466:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2584	0	365	10:30:02.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3246.29 +/- 4	2R3	4	0	5,843,466:90:0	
2585	0	365	10:30:05.733	175IK176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,843,467:04:0	
2586	0	365	10:30:06.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3252.59 +/- 4	2R3	4	0	5,843,467:05:0	
2587	0	365	10:30:06.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3252.59 +/- 4	2R3	4	0	5,843,467:05:0	
2588	0	365	10:30:33.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3348.68 +/- 4	2R3	4	0	5,843,467:46:0	
2589	0	365	10:30:33.733	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,843,467:46:0	
2590	0	365	10:30:34.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3349.68 +/- 4	2R3	4	0	5,843,467:47:8	
2591	0	365	10:40:38.400	488AM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5,843,477:43:0	
2592	0	365	11:39:29.733	488AM6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5,843,535:62:0	
2593	0	365	12:01:01.733	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,843,556:89:0	
2594	0	365	12:01:03.066	432ZL6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,843,557:00:0	
2595	0	365	12:05:09.733	20ZM6A	6EUVON			2R3	4	0	5,843,561:06:0	
2596	0	365	12:06:06.400	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2R3	4	0	5,843,562:00:0	
2597	0	365	12:08:35.733	488AM6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5,843,564:42:0	
2598	0	365	13:59:02.400	488AM6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,843,673:63:0	
2599	0	365	14:43:50.400	488AN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,843,718:00:0	
2600	0	365	15:35:02.400	488AN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,843,768:58:0	
2601	0	365	15:56:44.400	488AN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,843,790:09:0	
2602	0	365	16:30:23.733	488AN6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,843,823:35:0	
2603	0	365	17:09:59.733	488FA6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R3	4	0	5,843,862:50:0	
2604	0	365	18:52:25.066	165IF4A	7SCAN	NORM,81.776999,2	Check S/P Position	2R3	4	0	5,843,963:77:0	
2605	0	365	18:54:39.733	118IF	**SMOS**	GS		2R3	4	0	5,843,966:06:0	
2606	0	365	18:55:26.400	165IF4B	7VECT		Inert vect update UTC	2R3	4	0	5,843,966:76:0	
2607	0	365	18:55:29.733	118IF110A111A4A	7STRP	0.0038,0.0,182,0	Slew =,1.91	2R3	4	0	5,843,966:81:0	
2608	0	365	18:55:33.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3349.68 +/- 4	2R3	4	0	5,843,966:86:0	
2609	0	365	18:55:33.066	175IF422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,843,966:86:0	
2610	0	365	18:55:39.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3349.68 +/- 4	2R3	4	0	5,843,967:05:0	
2611	0	365	18:55:43.066	175IF176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	5,843,967:10:0	
2612	0	365	18:55:43.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3355.98 +/- 4	2R3	4	0	5,843,967:11:0	
2613	0	365	18:55:43.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3355.98 +/- 4	2R3	4	0	5,843,967:11:0	
2614	0	365	18:56:10.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3449.73 +/- 4	2R3	4	0	5,843,967:51:0	
2615	0	365	18:56:10.400	175IF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,843,967:51:0	
2616	0	365	18:56:11.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3450.73 +/- 4	2R3	4	0	5,843,967:52:8	
2617	0	365	18:56:30.400	118IF110A111A4B	7STRP	-0.0038,0.0,0,0,	Slew =,1.91	2R3	4	0	5,843,967:81:0	
2618	0	365	18:57:31.066	118IF110A111A4C	7STRP	0.0038,0.0,182,0	Slew =,1.91	2R3	4	0	5,843,968:81:0	
2619	0	365	18:57:34.400	175IT422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,843,968:86:0	
2620	0	365	18:57:34.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3450.73 +/- 4	2R3	4	0	5,843,968:86:0	
2621	0	365	18:57:41.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3450.73 +/- 4	2R3	4	0	5,843,969:05:0	
2622	0	365	18:57:44.400	175IT176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	5,843,969:10:0	
2623	0	365	18:57:45.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3457.03 +/- 4	2R3	4	0	5,843,969:11:0	
2624	0	365	18:57:45.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3457.03 +/- 4	2R3	4	0	5,843,969:11:0	
2625	0	365	18:58:11.733	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,843,969:51:0	
2626	0	365	18:58:11.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3550.78 +/- 4	2R3	4	0	5,843,969:51:0	
2627	0	365	18:58:12.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3551.78 +/- 4	2R3	4	0	5,843,969:52:8	
2628	0	365	18:58:31.733	118IF11A	**SMOS**	GE		2R3	4	0	5,843,969:81:0	
2629	0	366	00:57:34.400	165JK4A	7SCAN	NORM,97.132,24.8	Check S/P Position	2R3	4	0	5,844,324:90:0	
2630	0	366	01:00:29.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3551.78 +/- 4	2R3	4	0	5,844,327:80:0	
2631	0	366	01:00:29.733	175JK422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,327:80:0	
2632	0	366	01:00:35.733	165JK4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,327:89:0	
2633	0	366	01:00:36.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3551.78 +/- 4	2R3	4	0	5,844,327:90:0	
2634	0	366	01:00:39.733	175JK176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,328:04:0	
2635	0	366	01:00:40.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3558.08 +/- 4	2R3	4	0	5,844,328:05:0	
2636	0	366	01:00:40.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3558.08 +/- 4	2R3	4	0	5,844,328:05:0	
2637	0	366	01:01:07.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3654.18 +/- 4	2R3	4	0	5,844,328:46:0	
2638	0	366	01:01:07.733	175JK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,328:46:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2639	0	366	01:01:08.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3655.18 +/- 4	2R3	4	0	5,844,328:47:8
2640	0	366	02:13:24.400	165QG4A	7SCAN	NORM,95.162999,2	Check S/P Position	2R3	4	0	5,844,399:90:0
2641	0	366	02:44:59.733	444SM443A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2R3	4	0	5,844,431:21:0
2642	0	366	02:55:34.400	488AO6A	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2R3	4	0	5,844,441:63:0
2643	0	366	03:06:14.400	488AO6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2R3	4	0	5,844,452:22:0
2644	0	366	03:19:32.400	488AO6C	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	2R3	4	0	5,844,465:36:0
2645	0	366	03:35:18.400	165IG4A	7SCAN	NORM,95.172,24.9	Check S/P Position	2R3	4	0	5,844,480:90:0
2646	0	366	03:37:19.066	165IG4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,482:89:0
2647	0	366	03:37:19.733	118IG	**SMOS**	GS		2R3	4	0	5,844,482:90:0
2648	0	366	03:37:29.733	118IG110A111A4A	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,483:14:0
2649	0	366	03:38:13.733	175IG422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,483:80:0
2650	0	366	03:38:13.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3655.18 +/- 4	2R3	4	0	5,844,483:80:0
2651	0	366	03:38:20.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3655.18 +/- 4	2R3	4	0	5,844,483:90:0
2652	0	366	03:38:23.733	175IG176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,484:04:0
2653	0	366	03:38:24.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3661.48 +/- 4	2R3	4	0	5,844,484:05:0
2654	0	366	03:38:24.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3661.48 +/- 4	2R3	4	0	5,844,484:05:0
2655	0	366	03:38:25.066	118IG110A111A4B	7STRP	0.0038,0.0,0,0,0	Slew =,1.91	2R3	4	0	5,844,484:06:0
2656	0	366	03:38:51.733	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,484:46:0
2657	0	366	03:38:51.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3757.57 +/- 4	2R3	4	0	5,844,484:46:0
2658	0	366	03:38:52.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3758.57 +/- 4	2R3	4	0	5,844,484:47:8
2659	0	366	03:39:20.400	118IG110A111A4C	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,484:89:0
2660	0	366	03:39:45.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3758.57 +/- 4	2R3	4	0	5,844,485:35:0
2661	0	366	03:39:45.066	175QG422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,485:35:0
2662	0	366	03:39:51.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3758.57 +/- 4	2R3	4	0	5,844,485:45:0
2663	0	366	03:39:55.066	175QG176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,485:50:0
2664	0	366	03:39:55.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3764.87 +/- 4	2R3	4	0	5,844,485:51:0
2665	0	366	03:39:55.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3764.87 +/- 4	2R3	4	0	5,844,485:51:0
2666	0	366	03:40:15.733	118IG11A	**SMOS**	GE		2R3	4	0	5,844,485:81:0
2667	0	366	03:40:23.066	175QG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,486:01:0
2668	0	366	03:40:23.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3860.97 +/- 4	2R3	4	0	5,844,486:01:0
2669	0	366	03:40:24.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3861.97 +/- 4	2R3	4	0	5,844,486:02:8
2670	0	366	03:48:38.400	488AO6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2R3	4	0	5,844,494:16:0
2671	0	366	03:52:29.733	165IH4A	7SCAN	NORM,95.733999,2	Check S/P Position	2R3	4	0	5,844,497:90:0
2672	0	366	03:54:30.400	165IH4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,499:89:0
2673	0	366	03:54:31.066	118IH	**SMOS**	GS		2R3	4	0	5,844,499:90:0
2674	0	366	03:54:41.066	118IH110A111A4A	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,500:14:0
2675	0	366	03:55:25.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3861.97 +/- 4	2R3	4	0	5,844,500:80:0
2676	0	366	03:55:25.066	175IH422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,500:80:0
2677	0	366	03:55:31.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3861.97 +/- 4	2R3	4	0	5,844,500:90:0
2678	0	366	03:55:35.066	175IH176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,501:04:0
2679	0	366	03:55:35.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3868.27 +/- 4	2R3	4	0	5,844,501:05:0
2680	0	366	03:55:35.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3868.27 +/- 4	2R3	4	0	5,844,501:05:0
2681	0	366	03:55:36.400	118IH110A111A4B	7STRP	0.0038,0.0,0,0,0	Slew =,1.91	2R3	4	0	5,844,501:06:0
2682	0	366	03:56:03.066	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,501:46:0
2683	0	366	03:56:03.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3964.36 +/- 4	2R3	4	0	5,844,501:46:0
2684	0	366	03:56:04.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3965.36 +/- 4	2R3	4	0	5,844,501:47:8
2685	0	366	03:56:31.733	118IH110A111A4C	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,501:89:0
2686	0	366	03:56:56.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3965.36 +/- 4	2R3	4	0	5,844,502:35:0
2687	0	366	03:56:56.400	175QH422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,502:35:0
2688	0	366	03:57:03.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3965.36 +/- 4	2R3	4	0	5,844,502:45:0
2689	0	366	03:57:06.400	175QH176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,502:50:0
2690	0	366	03:57:07.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3971.66 +/- 4	2R3	4	0	5,844,502:51:0
2691	0	366	03:57:07.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3971.66 +/- 4	2R3	4	0	5,844,502:51:0
2692	0	366	03:57:27.066	118IH11A	**SMOS**	GE		2R3	4	0	5,844,502:81:0
2693	0	366	03:57:34.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4067.75 +/- 4	2R3	4	0	5,844,503:01:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2694	0	366	03:57:34.400	175QH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,503:01:0	
2695	0	366	03:57:35.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4068.75 +/- 4	2R3	4	0	5,844,503:02:8	
2696	**0**	**366**	**04:00:21.000**	**29NNIWATCH03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2697	**0**	**366**	**04:00:21.066**	**20ES5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,844,505:69:0**	
2698	**0**	**366**	**04:00:28.400**	**20ES5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,844,505:80:0**	
2699	**0**	**366**	**04:00:36.400**	**20ES6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,844,506:01:0**	
2700	**0**	**366**	**04:00:46.400**	**20ES6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,844,506:16:0**	
2701	**0**	**366**	**04:00:56.400**	**20ES5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,844,506:31:0**	
2702	**0**	**366**	**04:00:57.733**	**20ES5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,844,506:33:0**	
2703	**0**	**366**	**04:01:29.066**	**20ES4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,844,506:80:0**	
2704	**0**	**366**	**04:01:30.000**	**29NNIWATCH03-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2705	0	366	04:02:32.400	125ES	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,844,507:84:0	
2706	0	366	04:02:32.400	125ES11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,844,507:84:0	
2707	**0**	**366**	**04:02:32.400**	**125ES4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,844,507:84:0**	
2708	0	366	04:03:37.066	165ES4A	**7SCAN**	**NORM,96.082999,2**	**Check S/P Position**	2R0	4	0	5,844,508:90:0	
2709	0	366	04:04:33.733	127ES	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,844,509:84:0	
2710	**0**	**366**	**04:04:33.733**	**127ES4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,844,509:84:0**	
2711	**0**	**366**	**04:04:34.400**	**127ES4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,844,509:85:0**	
2712	0	366	04:04:42.400	127ES11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,844,510:06:0	
2713	0	366	04:05:25.733	175ES422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	5,844,510:71:0	
2714	0	366	04:05:25.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4068.75 +/- 4	2R3	4	0	5,844,510:71:0	
2715	0	366	04:05:29.733	117ES	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,844,510:77:0	
2716	0	366	04:05:32.400		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 4068.75 +/- 4	2R3	4	0	5,844,510:81:0	
2717	0	366	04:05:35.733	175ES176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,844,510:86:0	
2718	0	366	04:05:36.400		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *4070.25 +/- 4	2R3	4	0	5,844,510:87:0	
2719	0	366	04:05:36.400		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 4070.25 +/- 4	2R3	4	0	5,844,510:87:0	
2720	0	366	04:05:37.733	165ES4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,510:89:0	
2721	**0**	**366**	**04:05:38.400**	**29INIWATCH03-**	**NIMPBK**	**301ES**	**IO MONITOR OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2722	0	366	04:05:39.066	117ES105A106A4A	**7STRP**	**-0.0052,0.0,0,0,**	**Slew =,0.03**	2R3	4	0	5,844,511:00:0	
2723	**0**	**366**	**04:05:43.133**	**29INIWATCH03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2724	**0**	**366**	**04:06:03.066**	**29INIWATCH03-**	**NIMPBK**	**301FF**	**IO MONITOR OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2725	**0**	**366**	**04:06:16.400**	**29INIWATCH03-**	**DESELC**	**300FF**	**IO MONITOR OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2726	**0**	**366**	**04:08:19.733**	**29INIWATCH03-**	**DESELC**	**300ES**	**IO MONITOR OBSERVATION**	**2R3**	**4**	**0**	**: :**	
2727	0	366	04:08:21.733	175ES422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,513:62:0	
2728	0	366	04:08:21.733		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *4215.57 +/- 4	2R3	4	0	5,844,513:62:0	
2729	0	366	04:08:22.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4215.87 +/- 4	2R3	4	0	5,844,513:63:8	
2730	0	366	04:08:37.733	117ES11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,844,513:86:0	
2731	0	366	04:09:41.066	165II4A	7SCAN	NORM,96.297999,2	Check S/P Position	2R3	4	0	5,844,514:90:0	
2732	0	366	04:11:41.733	165II4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,516:89:0	
2733	0	366	04:11:42.400	118II	**SMOS**	GS		2R3	4	0	5,844,516:90:0	
2734	0	366	04:11:52.400	118II110A111A4A	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,517:14:0	
2735	0	366	04:12:36.400	175II422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,517:80:0	
2736	0	366	04:12:36.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4215.87 +/- 4	2R3	4	0	5,844,517:80:0	
2737	0	366	04:12:43.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4215.87 +/- 4	2R3	4	0	5,844,517:90:0	
2738	0	366	04:12:46.400	175II176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,518:04:0	
2739	0	366	04:12:47.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4222.17 +/- 4	2R3	4	0	5,844,518:05:0	
2740	0	366	04:12:47.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4222.17 +/- 4	2R3	4	0	5,844,518:05:0	
2741	0	366	04:12:47.733	118II110A111A4B	7STRP	0.0038,0.0,0,0,0	Slew =,1.91	2R3	4	0	5,844,518:06:0	
2742	**0**	**366**	**04:12:47.799**	**29INIWATCH03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2743	0	366	04:13:14.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4318.26 +/- 4	2R3	4	0	5,844,518:46:0	
2744	0	366	04:13:14.400	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,518:46:0	
2745	0	366	04:13:15.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4319.26 +/- 4	2R3	4	0	5,844,518:47:8	
2746	0	366	04:13:43.066	118II110A111A4C	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,518:89:0	
2747	0	366	04:14:07.733	175QI422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,519:35:0	
2748	0	366	04:14:07.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4319.26 +/- 4	2R3	4	0	5,844,519:35:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2749	0	366	04:14:14.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4319.26 +/- 4	2R3	4	0	5,844,519:45:0
2750	0	366	04:14:17.733	175QI176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,519:50:0
2751	0	366	04:14:18.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4325.56 +/- 4	2R3	4	0	5,844,519:51:0
2752	0	366	04:14:18.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4325.56 +/- 4	2R3	4	0	5,844,519:51:0
2753	0	366	04:14:38.400	118II11A	**SMOS**	GE		2R3	4	0	5,844,519:81:0
2754	0	366	04:14:45.733	175QI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,520:01:0
2755	0	366	04:14:45.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4421.65 +/- 4	2R3	4	0	5,844,520:01:0
2756	0	366	04:14:46.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4422.65 +/- 4	2R3	4	0	5,844,520:02:8
2757	0	366	04:26:52.400	165IJ4A	7SCAN	NORM,96.863999,2	Check S/P Position	2R3	4	0	5,844,531:90:0
2758	0	366	04:28:53.066	165IJ4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,533:89:0
2759	0	366	04:28:53.733	118IJ	**SMOS**	GS		2R3	4	0	5,844,533:90:0
2760	0	366	04:29:03.733	118IJ110A111A4A	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,534:14:0
2761	0	366	04:29:47.733	175IJ422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,534:80:0
2762	0	366	04:29:47.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4422.65 +/- 4	2R3	4	0	5,844,534:80:0
2763	0	366	04:29:54.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4422.65 +/- 4	2R3	4	0	5,844,534:90:0
2764	0	366	04:29:57.733	175IJ176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,535:04:0
2765	0	366	04:29:58.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4428.95 +/- 4	2R3	4	0	5,844,535:05:0
2766	0	366	04:29:58.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4428.95 +/- 4	2R3	4	0	5,844,535:05:0
2767	0	366	04:29:59.066	118IJ110A111A4B	7STRP	0.0038,0.0,0,0,0	Slew =,1.91	2R3	4	0	5,844,535:06:0
2768	0	366	04:30:25.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4525.05 +/- 4	2R3	4	0	5,844,535:46:0
2769	0	366	04:30:25.733	175IJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,535:46:0
2770	0	366	04:30:26.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4526.05 +/- 5	2R3	4	0	5,844,535:47:8
2771	0	366	04:30:54.400	118IJ110A111A4C	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,535:89:0
2772	0	366	04:31:19.066	175QJ422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,536:35:0
2773	0	366	04:31:19.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4526.05 +/- 5	2R3	4	0	5,844,536:35:0
2774	0	366	04:31:25.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4526.05 +/- 5	2R3	4	0	5,844,536:45:0
2775	0	366	04:31:29.066	175QJ176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,536:50:0
2776	0	366	04:31:29.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4532.35 +/- 5	2R3	4	0	5,844,536:51:0
2777	0	366	04:31:29.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4532.35 +/- 5	2R3	4	0	5,844,536:51:0
2778	0	366	04:31:49.733	118IJ11A	**SMOS**	GE		2R3	4	0	5,844,536:81:0
2779	0	366	04:31:57.066	175QJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,537:01:0
2780	0	366	04:31:57.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4628.44 +/- 5	2R3	4	0	5,844,537:01:0
2781	0	366	04:31:58.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4629.44 +/- 5	2R3	4	0	5,844,537:02:8
2782	0	366	04:44:03.733	165JG4A	7SCAN	NORM,97.431,24.8	Check S/P Position	2R3	4	0	5,844,548:90:0
2783	0	366	04:46:04.400	165JG4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,550:89:0
2784	0	366	04:46:05.066	118JG	**SMOS**	GS		2R3	4	0	5,844,550:90:0
2785	0	366	04:46:15.066	118JG110A111A4A	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,551:14:0
2786	0	366	04:46:59.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4629.44 +/- 5	2R3	4	0	5,844,551:80:0
2787	0	366	04:46:59.066	175JG422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,551:80:0
2788	0	366	04:47:05.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4629.44 +/- 5	2R3	4	0	5,844,551:90:0
2789	0	366	04:47:09.066	175JG176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,552:04:0
2790	0	366	04:47:09.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4635.74 +/- 5	2R3	4	0	5,844,552:05:0
2791	0	366	04:47:09.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4635.74 +/- 5	2R3	4	0	5,844,552:05:0
2792	0	366	04:47:10.400	118JG110A111A4B	7STRP	0.0038,0.0,0,0,0	Slew =,1.91	2R3	4	0	5,844,552:06:0
2793	0	366	04:47:37.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4731.83 +/- 5	2R3	4	0	5,844,552:46:0
2794	0	366	04:47:37.066	175JG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,552:46:0
2795	0	366	04:47:38.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4732.83 +/- 5	2R3	4	0	5,844,552:47:8
2796	0	366	04:48:05.733	118JG110A111A4C	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,552:89:0
2797	0	366	04:48:30.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4732.83 +/- 5	2R3	4	0	5,844,553:35:0
2798	0	366	04:48:30.400	175QM422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,553:35:0
2799	0	366	04:48:37.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4732.83 +/- 5	2R3	4	0	5,844,553:45:0
2800	0	366	04:48:40.400	175QM176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,553:50:0
2801	0	366	04:48:41.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4739.13 +/- 5	2R3	4	0	5,844,553:51:0
2802	0	366	04:48:41.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4739.13 +/- 5	2R3	4	0	5,844,553:51:0
2803	0	366	04:49:01.066	118JG11A	**SMOS**	GE		2R3	4	0	5,844,553:81:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2804	0	366	04:49:08.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4835.23 +/- 5	2R3	4	0	5,844,554:01:0	
2805	0	366	04:49:08.400	175QM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,554:01:0	
2806	0	366	04:49:09.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4836.23 +/- 5	2R3	4	0	5,844,554:02:8	
2807	0	366	05:01:15.066	165JH4A	7SCAN	NORM,97.999,24.8	Check S/P Position	2R3	4	0	5,844,565:90:0	
2808	0	366	05:03:15.733	165JH4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,567:89:0	
2809	0	366	05:03:16.400	118JH	**SMOS**	GS		2R3	4	0	5,844,567:90:0	
2810	0	366	05:03:26.400	118JH110A111A4A	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,568:14:0	
2811	0	366	05:04:10.400	175JH422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,568:80:0	
2812	0	366	05:04:10.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4836.23 +/- 5	2R3	4	0	5,844,568:80:0	
2813	0	366	05:04:17.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4836.23 +/- 5	2R3	4	0	5,844,568:90:0	
2814	0	366	05:04:20.400	175JH176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,569:04:0	
2815	0	366	05:04:21.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4842.53 +/- 5	2R3	4	0	5,844,569:05:0	
2816	0	366	05:04:21.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4842.53 +/- 5	2R3	4	0	5,844,569:05:0	
2817	0	366	05:04:21.733	118JH110A111A4B	7STRP	0.0038,0.0,0,0,0	Slew =,1.91	2R3	4	0	5,844,569:06:0	
2818	0	366	05:04:48.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4938.62 +/- 5	2R3	4	0	5,844,569:46:0	
2819	0	366	05:04:48.400	175JH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,569:46:0	
2820	0	366	05:04:49.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4939.62 +/- 5	2R3	4	0	5,844,569:47:8	
2821	0	366	05:05:17.066	118JH110A111A4C	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,569:89:0	
2822	0	366	05:05:41.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4939.62 +/- 5	2R3	4	0	5,844,570:35:0	
2823	0	366	05:05:41.733	175QN422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,570:35:0	
2824	0	366	05:05:48.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4939.62 +/- 5	2R3	4	0	5,844,570:45:0	
2825	0	366	05:05:51.733	175QN176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,570:50:0	
2826	0	366	05:05:52.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4945.92 +/- 5	2R3	4	0	5,844,570:51:0	
2827	0	366	05:05:52.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4945.92 +/- 5	2R3	4	0	5,844,570:51:0	
2828	0	366	05:06:12.400	118JH11A	**SMOS**	GE		2R3	4	0	5,844,570:81:0	
2829	0	366	05:06:19.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5042.02 +/- 5	2R3	4	0	5,844,571:01:0	
2830	0	366	05:06:19.733	175QN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,571:01:0	
2831	0	366	05:06:20.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5043.02 +/- 5	2R3	4	0	5,844,571:02:8	
2832	0	366	05:18:26.400	165JI4A	7SCAN	NORM,98.568,24.7	Check S/P Position	2R3	4	0	5,844,582:90:0	
2833	0	366	05:20:27.066	165JI4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,584:89:0	
2834	0	366	05:20:27.733	118JI	**SMOS**	GS		2R3	4	0	5,844,584:90:0	
2835	0	366	05:20:37.733	118JI110A111A4A	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,585:14:0	
2836	0	366	05:21:21.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5043.02 +/- 5	2R3	4	0	5,844,585:80:0	
2837	0	366	05:21:21.733	175JI422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,585:80:0	
2838	0	366	05:21:28.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5043.02 +/- 5	2R3	4	0	5,844,585:90:0	
2839	0	366	05:21:31.733	175JI176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,586:04:0	
2840	0	366	05:21:32.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5049.32 +/- 5	2R3	4	0	5,844,586:05:0	
2841	0	366	05:21:32.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5049.32 +/- 5	2R3	4	0	5,844,586:05:0	
2842	0	366	05:21:33.066	118JI110A111A4B	7STRP	0.0038,0.0,0,0,0	Slew =,1.91	2R3	4	0	5,844,586:06:0	
2843	0	366	05:21:59.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5145.41 +/- 5	2R3	4	0	5,844,586:46:0	
2844	0	366	05:21:59.733	175JI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,586:46:0	
2845	0	366	05:22:00.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5146.41 +/- 5	2R3	4	0	5,844,586:47:8	
2846	0	366	05:22:28.400	118JI110A111A4C	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,586:89:0	
2847	0	366	05:22:53.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5146.41 +/- 5	2R3	4	0	5,844,587:35:0	
2848	0	366	05:22:53.066	175QO422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,587:35:0	
2849	0	366	05:22:59.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5146.41 +/- 5	2R3	4	0	5,844,587:45:0	
2850	0	366	05:23:03.066	175QO176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,587:50:0	
2851	0	366	05:23:03.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5152.71 +/- 5	2R3	4	0	5,844,587:51:0	
2852	0	366	05:23:03.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5152.71 +/- 5	2R3	4	0	5,844,587:51:0	
2853	0	366	05:23:23.733	118JI11A	**SMOS**	GE		2R3	4	0	5,844,587:81:0	
2854	0	366	05:23:31.066	175QO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,588:01:0	
2855	0	366	05:23:31.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5248.80 +/- 5	2R3	4	0	5,844,588:01:0	
2856	0	366	05:23:32.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5249.80 +/- 5	2R3	4	0	5,844,588:02:8	
2857	0	366	05:35:37.733	165JJ4A	7SCAN	NORM,99.136999,2	Check S/P Position	2R3	4	0	5,844,599:90:0	
2858	0	366	05:37:38.400	165JJ4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,601:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2859	0	366	05:37:39.066	118JJ	**SMOS**	GS		2R3	4	0	5,844,601:90:0	
2860	0	366	05:37:49.066	118JJ110A111A4A	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,602:14:0	
2861	0	366	05:38:33.066	175JJ422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,602:80:0	
2862	0	366	05:38:33.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5249.80 +/- 5	2R3	4	0	5,844,602:80:0	
2863	0	366	05:38:39.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5249.80 +/- 5	2R3	4	0	5,844,602:90:0	
2864	0	366	05:38:43.066	175JJ176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,603:04:0	
2865	0	366	05:38:43.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5256.10 +/- 5	2R3	4	0	5,844,603:05:0	
2866	0	366	05:38:43.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5256.10 +/- 5	2R3	4	0	5,844,603:05:0	
2867	0	366	05:38:44.400	118JJ110A111A4B	7STRP	0.0038,0.0,0,0,0	Slew =,1.91	2R3	4	0	5,844,603:06:0	
2868	0	366	05:39:11.066	175JJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,603:46:0	
2869	0	366	05:39:11.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5352.20 +/- 5	2R3	4	0	5,844,603:46:0	
2870	0	366	05:39:12.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5353.20 +/- 5	2R3	4	0	5,844,603:47:8	
2871	0	366	05:39:39.733	118JJ110A111A4C	7STRP	-0.0038,0.0,166,	Slew =,1.91	2R3	4	0	5,844,603:89:0	
2872	0	366	05:40:04.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5353.20 +/- 5	2R3	4	0	5,844,604:35:0	
2873	0	366	05:40:04.400	175QP422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,604:35:0	
2874	0	366	05:40:11.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5353.20 +/- 5	2R3	4	0	5,844,604:45:0	
2875	0	366	05:40:14.400	175QP176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,604:50:0	
2876	0	366	05:40:15.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5359.50 +/- 5	2R3	4	0	5,844,604:51:0	
2877	0	366	05:40:15.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5359.50 +/- 5	2R3	4	0	5,844,604:51:0	
2878	0	366	05:40:35.066	118JJ11A	**SMOS**	GE		2R3	4	0	5,844,604:81:0	
2879	0	366	05:40:42.400	175QP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,605:01:0	
2880	0	366	05:40:42.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5455.59 +/- 5	2R3	4	0	5,844,605:01:0	
2881	0	366	05:40:43.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5456.59 +/- 5	2R3	4	0	5,844,605:02:8	
2882	0	366	05:44:59.733	444SN443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	2R3	4	0	5,844,609:23:0	
2883	0	366	08:36:06.400	165IM4A	7SCAN	NORM,105.381,23.	Check S/P Position	2R3	4	0	5,844,778:44:0	
2884	0	366	08:39:02.400	175IM422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,781:35:0	
2885	0	366	08:39:02.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5456.59 +/- 5	2R3	4	0	5,844,781:35:0	
2886	0	366	08:39:07.733	165IM4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,781:43:0	
2887	0	366	08:39:09.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5456.59 +/- 5	2R3	4	0	5,844,781:45:0	
2888	0	366	08:39:12.400	175IM176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,781:50:0	
2889	0	366	08:39:13.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5462.89 +/- 5	2R3	4	0	5,844,781:51:0	
2890	0	366	08:39:13.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5462.89 +/- 5	2R3	4	0	5,844,781:51:0	
2891	0	366	08:40:10.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5664.45 +/- 5	2R3	4	0	5,844,782:46:0	
2892	0	366	08:40:10.400	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,782:46:0	
2893	0	366	08:40:11.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5665.45 +/- 5	2R3	4	0	5,844,782:47:8	
2894	0	366	09:01:23.066	165IN4A	7SCAN	NORM,105.594,23.	Check S/P Position	2R3	4	0	5,844,803:44:0	
2895	0	366	09:04:19.066	175IN422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	5,844,806:35:0	
2896	0	366	09:04:19.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5665.45 +/- 5	2R3	4	0	5,844,806:35:0	
2897	0	366	09:04:24.400	165IN4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,806:43:0	
2898	0	366	09:04:25.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5665.45 +/- 5	2R3	4	0	5,844,806:45:0	
2899	0	366	09:04:29.066	175IN176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,806:50:0	
2900	0	366	09:04:29.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5671.75 +/- 5	2R3	4	0	5,844,806:51:0	
2901	0	366	09:04:29.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5671.75 +/- 5	2R3	4	0	5,844,806:51:0	
2902	0	366	09:05:27.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5873.32 +/- 5	2R3	4	0	5,844,807:46:0	
2903	0	366	09:05:27.066	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,807:46:0	
2904	0	366	09:05:28.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5874.32 +/- 5	2R3	4	0	5,844,807:47:8	
2905	0	366	09:17:04.400		DMS:	: READY	RDY, TRACK *4, *REV, TIC 5874.32 +/- 5	2R3	4	0	5,844,819:00:0	
2906	0	366	09:17:04.400	465KD6A	6DMSC	RDY,4	DMS Control Tape stop	2R3	4	0	5,844,819:00:0	
2907	0	366	09:26:39.733	165IO4A	7SCAN	NORM,105.802999,	Check S/P Position	2R3	4	0	5,844,828:44:0	
2908	0	366	09:29:34.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5874.32 +/- 5	2R3	4	0	5,844,831:33:0	
2909	0	366	09:29:34.400	175IO422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	5,844,831:33:0	
2910	0	366	09:29:35.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5874.44 +/- 5	2R3	4	0	5,844,831:35:1	
2911	0	366	09:29:41.066	165IO4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,831:43:0	
2912	0	366	09:29:41.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5875.67 +/- 5	2R3	4	0	5,844,831:43:0	
2913	0	366	09:29:42.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5875.73 +/- 5	2R3	4	0	5,844,831:44:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2914	0	366	09:29:45.733	175IO176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,831:50:0	
2915	0	366	09:29:46.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5869.43 +/- 5	2R3	4	0	5,844,831:50:8	
2916	0	366	09:29:46.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5869.43 +/- 5	2R3	4	0	5,844,831:50:8	
2917	0	366	09:30:43.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *5667.40 +/- 5	2R3	4	0	5,844,832:46:0	
2918	0	366	09:30:43.733	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,832:46:0	
2919	0	366	09:30:44.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5666.40 +/- 5	2R3	4	0	5,844,832:47:8	
2920	0	366	09:51:56.400	165IP4A	7SCAN	NORM,106.011,23.	Check S/P Position	2R3	4	0	5,844,853:44:0	
2921	0	366	09:53:42.400	488AP6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R3	4	0	5,844,855:21:0	
2922	0	366	09:54:51.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5666.40 +/- 5	2R3	4	0	5,844,856:33:0	
2923	0	366	09:54:51.066	175IP422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	5,844,856:33:0	
2924	0	366	09:54:52.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5666.52 +/- 5	2R3	4	0	5,844,856:35:1	
2925	0	366	09:54:57.733	165IP4B	7VECT		Inert vect update UTC	2R3	4	0	5,844,856:43:0	
2926	0	366	09:54:57.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5667.75 +/- 5	2R3	4	0	5,844,856:43:0	
2927	0	366	09:54:58.933		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5667.81 +/- 5	2R3	4	0	5,844,856:44:8	
2928	0	366	09:55:02.400	175IP176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	5,844,856:50:0	
2929	0	366	09:55:02.933		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5661.51 +/- 5	2R3	4	0	5,844,856:50:8	
2930	0	366	09:55:02.933		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5661.51 +/- 5	2R3	4	0	5,844,856:50:8	
2931	0	366	09:56:01.066	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,844,857:47:0	
2932	0	366	09:56:01.066		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *5457.14 +/- 5	2R3	4	0	5,844,857:47:0	
2933	0	366	09:56:02.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5456.14 +/- 5	2R3	4	0	5,844,857:48:8	
2934	0	366	10:27:50.400	488AP6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2R3	4	0	5,844,888:90:0	
2935	0	366	11:59:59.733	480SJ6A	6MROH	44,23E8,0,A10	read from LLM2A44,23E8,0,A1	2R3	4	0	5,844,980:12:0	
2936	0	366	12:01:19.733	480SJ6B	6MROH	45,23E8,0,B10	read from LLM2B45,23E8,0,B1	2R3	4	0	5,844,981:41:0	
2937	**0**	**366**	**12:26:55.000**	**29NNGLOBAL01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2938	**0**	**366**	**12:26:55.066**	**20ET5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,845,006:69:0**	
2939	**0**	**366**	**12:27:02.400**	**20ET5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,845,006:80:0**	
2940	**0**	**366**	**12:27:10.400**	**20ET6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,845,007:01:0**	
2941	**0**	**366**	**12:27:20.400**	**20ET6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,845,007:16:0**	
2942	**0**	**366**	**12:27:30.400**	**20ET5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,845,007:31:0**	
2943	**0**	**366**	**12:27:31.733**	**20ET5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,845,007:33:0**	
2944	**0**	**366**	**12:28:03.066**	**20ET4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,845,007:80:0**	
2945	**0**	**366**	**12:28:04.000**	**29NNGLOBAL01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2946	0	366	12:28:09.733	165ET4A	**7SCAN**	**NORM,109.681,24.**	**Check S/P Position**	2R0	4	0	5,845,007:90:0	
2947	**0**	**366**	**12:28:14.466**	**29JNGLOBAL01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2948	0	366	12:29:06.400	125ET	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,845,008:84:0	
2949	0	366	12:29:06.400	125ET11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,845,008:84:0	
2950	**0**	**366**	**12:29:06.400**	**125ET4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,845,008:84:0**	
2951	**0**	**366**	**12:30:07.066**	**127ET4A**	**37IOP**	**7,0**	**Fixed Map, Grating Start Position =00**	**2R7**	**4**	**0**	**5,845,009:84:0**	
2952	0	366	12:30:07.066	127ET	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	0	5,845,009:84:0	
2953	**0**	**366**	**12:30:07.733**	**127ET4B**	**37ETB**	**07,C7,18,3C,D7,0**	**Loads wavelength edit table**	**2R7**	**4**	**0**	**5,845,009:85:0**	
2954	0	366	12:30:15.733	127ET11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	0	5,845,010:06:0	
2955	0	366	12:32:01.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5456.14 +/- 5	2R7	4	0	5,845,011:73:0	
2956	0	366	12:32:01.066	175ET422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	0	5,845,011:73:0	
2957	0	366	12:32:02.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5456.26 +/- 5	2R7	4	0	5,845,011:75:1	
2958	0	366	12:32:03.733	117ET	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	0	5,845,011:77:0	
2959	0	366	12:32:07.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5457.49 +/- 5	2R7	4	0	5,845,011:83:0	
2960	0	366	12:32:08.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5457.55 +/- 5	2R7	4	0	5,845,011:84:8	
2961	0	366	12:32:09.733	175ET176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	0	5,845,011:86:0	
2962	0	366	12:32:10.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5457.43 +/- 5	2R7	4	0	5,845,011:86:9	
2963	0	366	12:32:10.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5457.43 +/- 5	2R7	4	0	5,845,011:86:9	
2964	**0**	**366**	**12:32:12.400**	**29JNGLOBAL01-**	**NIMPBK**	**301ET**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
2965	0	366	12:32:13.066	117ET105A106A4A	**7STRP**	**0.058065,0.0,0,0**	**Slew =,0.76**	2R7	4	0	5,845,012:00:0	
2966	0	366	12:33:35.066	117ET105A106A4B	**7STRP**	**-0.058065,0.008,**	**Slew =12.01**	2R7	4	0	5,845,013:32:0	
2967	0	366	12:33:49.733	117ET105A106A4C	**7STRP**	**0.058065,0.0,0,0**	**Slew =,0.76**	2R7	4	0	5,845,013:54:0	
2968	0	366	12:35:11.733	117ET105A106A4D	**7STRP**	**-0.058065,0.008,**	**Slew =12.01**	2R7	4	0	5,845,014:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2969	0	366	12:35:26.400	117ET105A106A4E	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,015:17:0	
2970	0	366	12:36:48.400	117ET105A106A4F	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,016:49:0	
2971	0	366	12:37:03.066	117ET105A106A4G	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,016:71:0	
2972	0	366	12:38:25.066	117ET105A106A4H	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,018:12:0	
2973	0	366	12:38:39.733	117ET105A106A4I	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,018:34:0	
2974	0	366	12:40:01.733	117ET105A106A4J	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,019:66:0	
2975	0	366	12:40:16.400	117ET105A106A4K	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,019:88:0	
2976	0	366	12:41:38.400	117ET105A106A4L	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,021:29:0	
2977	0	366	12:41:53.066	117ET105A106A4M	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,021:51:0	
2978	0	366	12:42:46.400	29JNGLOBAL01-	DESELC	300ET	JUPITER GLOBAL OBSERVATION	2R7	4	0	: :	
2979	0	366	12:42:56.400		DMS:	: *RUNDOWN	R7, TRACK 4, REV, TIC *5306.01 +/- 5	2R7	4	0	5,845,022:55:0	
2980	0	366	12:42:56.400	175ET422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,845,022:55:0	
2981	0	366	12:42:56.400	175ET6A	6TMREC	NRC	NO RECORD Record Mode Change	2R7	4	0	5,845,022:55:0	
2982	0	366	12:42:57.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5305.95 +/- 5	2R7	4	0	5,845,022:56:8	
2983	0	366	12:43:15.066	117ET11A	CSMOS	GE	***** GROUP END CSMOS	2R7	4	0	5,845,022:83:0	
2984	0	366	12:43:24.466	29JNGLOBAL01-		-----STOP-------		2R7	4	0	: :	
2985	0	366	12:57:10.400	488AP6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2R7	4	0	5,845,036:62:0	
2986	0	366	13:59:59.733	488AP6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R7	4	0	5,845,098:74:0	
2987	0	366	14:08:01.000	29NNGLOBAL02-		-----START------		2R7	4	0	: :	
2988	0	366	14:08:01.733	20EU5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,845,106:69:0	
2989	0	366	14:08:09.066	20EU5B	37MRL		Memory Realocate (software operates from R		4	0	5,845,106:80:0	
2990	0	366	14:08:15.733	165EU4A	7SCAN	NORM,110.44,24.7	Check S/P Position		4	0	5,845,106:90:0	
2991	0	366	14:08:17.066	20EU6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,845,107:01:0	
2992	0	366	14:08:20.466	29JNGLOBAL02-		-----START------			4	0	: :	
2993	0	366	14:08:27.066	20EU6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,845,107:16:0	
2994	0	366	14:08:37.066	20EU5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,845,107:31:0	
2995	0	366	14:08:38.400	20EU5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,845,107:33:0	
2996	0	366	14:09:09.733	20EU4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,845,107:80:0	
2997	0	366	14:09:10.000	29NNGLOBAL02-		-----STOP-------		2R0	4	0	: :	
2998	0	366	14:10:13.066	125EU	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,845,108:84:0	
2999	0	366	14:10:13.066	125EU11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,845,108:84:0	
3000	0	366	14:10:13.066	125EU4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,845,108:84:0	
3001	0	366	14:11:13.733	127EU4A	37IOP	7,0	Fixed Map, Grating Start Position =00	2R7	4	0	5,845,109:84:0	
3002	0	366	14:11:13.733	127EU	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	0	5,845,109:84:0	
3003	0	366	14:11:14.400	127EU4B	37ETB	07,C7,18,3C,D7,0	Loads wavelength edit table	2R7	4	0	5,845,109:85:0	
3004	0	366	14:11:22.400	127EU11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	0	5,845,110:06:0	
3005	0	366	14:12:07.066	175EU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	0	5,845,110:73:0	
3006	0	366	14:12:07.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5305.95 +/- 5	2R7	4	0	5,845,110:73:0	
3007	0	366	14:12:08.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5306.07 +/- 5	2R7	4	0	5,845,110:75:1	
3008	0	366	14:12:09.733	117EU	CSMOS	GS	***** GROUP START CSMOS	2R7	4	0	5,845,110:77:0	
3009	0	366	14:12:13.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5307.30 +/- 5	2R7	4	0	5,845,110:83:0	
3010	0	366	14:12:14.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5307.36 +/- 5	2R7	4	0	5,845,110:84:8	
3011	0	366	14:12:15.733	175EU176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	0	5,845,110:86:0	
3012	0	366	14:12:16.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5307.24 +/- 5	2R7	4	0	5,845,110:86:9	
3013	0	366	14:12:16.333		DMS:	: *RECORD	R7, TRACK 4, REV, TIC *5307.24 +/- 5	2R7	4	0	5,845,110:86:9	
3014	0	366	14:12:18.400	29JNGLOBAL02-	NIMPBK	301EU	JUPITER GLOBAL OBSERVATION	2R7	4	0	: :	
3015	0	366	14:12:19.066	117EU105A106A4A	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,111:00:0	
3016	0	366	14:13:41.066	117EU105A106A4B	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,112:32:0	
3017	0	366	14:13:43.733	29JNGLOBAL02-	NIMPBK	301EN	JUPITER GLOBAL OBSERVATION	2R7	4	0	: :	
3018	0	366	14:13:55.733	117EU105A106A4C	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,112:54:0	
3019	0	366	14:14:01.733	29JNGLOBAL02-	DESELC	300EN	JUPITER GLOBAL OBSERVATION	2R7	4	0	: :	
3020	0	366	14:15:17.733	117EU105A106A4D	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,113:86:0	
3021	0	366	14:15:32.400	117EU105A106A4E	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,114:17:0	
3022	0	366	14:16:54.400	117EU105A106A4F	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,115:49:0	
3023	0	366	14:17:09.066	117EU105A106A4G	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,115:71:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3024	0	366	14:18:31.066	117EU105A106A4H	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,117:12:0	
3025	0	366	14:18:45.733	117EU105A106A4I	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,117:34:0	
3026	**0**	**366**	**14:19:30.400**	**29JNGLOBAL02-**	**NIMPBK**	**301EO**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3027	0	366	14:20:07.733	117EU105A106A4J	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,118:66:0	
3028	0	366	14:20:22.400	117EU105A106A4K	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,118:88:0	
3029	**0**	**366**	**14:20:41.733**	**29JNGLOBAL02-**	**DESELC**	**300EO**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3030	0	366	14:21:44.400	117EU105A106A4L	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,120:29:0	
3031	0	366	14:21:59.066	117EU105A106A4M	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,120:51:0	
3032	**0**	**366**	**14:22:52.400**	**29JNGLOBAL02-**	**DESELC**	**300EU**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3033	0	366	14:23:02.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5155.82 +/- 5	2R7	4	0	5,845,121:55:0	
3034	0	366	14:23:02.400	175EU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	0	5,845,121:55:0	
3035	0	366	14:23:02.400	175EU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,845,121:55:0	
3036	0	366	14:23:03.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5155.76 +/- 5	2R7	4	0	5,845,121:56:8	
3037	0	366	14:23:21.066	117EU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	0	5,845,121:83:0	
3038	**0**	**366**	**14:23:30.466**	**29JNGLOBAL02-**		**-----STOP-------**		**2R7**	**4**	**0**	**: :**	
3039	0	366	14:28:54.333	488AP6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R7	4	0	5,845,127:37:0	
3040	0	366	14:46:33.000	488AQ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R7	4	0	5,845,144:78:0	
3041	0	366	14:56:38.333	488AQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R7	4	0	5,845,154:76:0	
3042	0	366	15:48:21.666	165EV4A	**7SCAN**	**NORM,111.106,24.**	**Check S/P Position**	2R7	4	0	5,845,205:90:0	
3043	**0**	**366**	**15:48:26.466**	**29JNGLOBAL03-**		**-----START------**		**2R7**	**4**	**0**	**: :**	
3044	**0**	**366**	**15:49:08.000**	**29NNGLOBAL03-**		**-----START------**		**2R7**	**4**	**0**	**: :**	
3045	**0**	**366**	**15:49:08.333**	**20EV5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,845,206:69:0**	
3046	**0**	**366**	**15:49:15.666**	**20EV5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,845,206:80:0**	
3047	**0**	**366**	**15:49:23.666**	**20EV6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,845,207:01:0**	
3048	**0**	**366**	**15:49:33.666**	**20EV6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,845,207:16:0**	
3049	**0**	**366**	**15:49:43.666**	**20EV5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,845,207:31:0**	
3050	**0**	**366**	**15:49:45.000**	**20EV5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,845,207:33:0**	
3051	**0**	**366**	**15:50:16.333**	**20EV4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,845,207:80:0**	
3052	**0**	**366**	**15:50:17.000**	**29NNGLOBAL03-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
3053	0	366	15:51:19.666	125EV	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,845,208:84:0	
3054	0	366	15:51:19.666	125EV11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,845,208:84:0	
3055	**0**	**366**	**15:51:19.666**	**125EV4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,845,208:84:0**	
3056	0	366	15:52:13.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5155.76 +/- 5	2R0	4	0	5,845,209:73:0	
3057	0	366	15:52:13.000	175EV422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	5,845,209:73:0	
3058	0	366	15:52:14.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5155.88 +/- 5	2R0	4	0	5,845,209:75:1	
3059	0	366	15:52:15.666	117EV	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,845,209:77:0	
3060	0	366	15:52:19.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5157.12 +/- 5	2R0	4	0	5,845,209:83:0	
3061	**0**	**366**	**15:52:20.333**	**127EV4A**	**37IOP**	**7,0**	**Fixed Map, Grating Start Position =00**	**2R7**	**4**	**0**	**5,845,209:84:0**	
3062	0	366	15:52:20.333	127EV	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	0	5,845,209:84:0	
3063	0	366	15:52:20.866		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5157.18 +/- 5	2R7	4	0	5,845,209:84:8	
3064	**0**	**366**	**15:52:21.000**	**127EV4B**	**37ETB**	**07,C7,18,3C,D7,0**	**Loads wavelength edit table**	**2R7**	**4**	**0**	**5,845,209:85:0**	
3065	0	366	15:52:21.666	175EV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	0	5,845,209:86:0	
3066	0	366	15:52:22.266		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5157.06 +/- 5	2R7	4	0	5,845,209:86:9	
3067	0	366	15:52:22.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5157.06 +/- 5	2R7	4	0	5,845,209:86:9	
3068	**0**	**366**	**15:52:24.333**	**29JNGLOBAL03-**	**NIMPBK**	**301EV**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3069	0	366	15:52:25.000	117EV105A106A4A	**7STRP**	**0.058065,0.0,0,0**	**Slew =,0.76**	2R7	4	0	5,845,210:00:0	
3070	0	366	15:52:29.000	127EV11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	0	5,845,210:06:0	
3071	**0**	**366**	**15:53:41.000**	**29JNGLOBAL03-**	**NIMPBK**	**301EP**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3072	0	366	15:53:47.000	117EV105A106A4B	**7STRP**	**-0.058065,0.008,**	**Slew =12.01**	2R7	4	0	5,845,211:32:0	
3073	0	366	15:54:01.666	117EV105A106A4C	**7STRP**	**0.058065,0.0,0,0**	**Slew =,0.76**	2R7	4	0	5,845,211:54:0	
3074	**0**	**366**	**15:54:05.000**	**29JNGLOBAL03-**	**DESELC**	**300EP**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3075	**0**	**366**	**15:54:50.333**	**29JNGLOBAL03-**	**NIMPBK**	**301FY**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3076	**0**	**366**	**15:55:12.333**	**29JNGLOBAL03-**	**DESELC**	**300FY**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3077	0	366	15:55:23.666	117EV105A106A4D	**7STRP**	**-0.058065,0.008,**	**Slew =12.01**	2R7	4	0	5,845,212:86:0	
3078	0	366	15:55:38.333	117EV105A106A4E	**7STRP**	**0.058065,0.0,0,0**	**Slew =,0.76**	2R7	4	0	5,845,213:17:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3079	0	366	15:57:00.333	117EV105A106A4F	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,214:49:0	
3080	0	366	15:57:15.000	117EV105A106A4G	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,214:71:0	
3081	0	366	15:58:37.000	117EV105A106A4H	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,216:12:0	
3082	0	366	15:58:51.666	117EV105A106A4I	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,216:34:0	
3083	0	366	16:00:13.666	117EV105A106A4J	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,217:66:0	
3084	0	366	16:00:28.333	117EV105A106A4K	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,217:88:0	
3085	0	366	16:01:50.333	117EV105A106A4L	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,219:29:0	
3086	0	366	16:02:05.000	117EV105A106A4M	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,219:51:0	
3087	**0**	**366**	**16:02:58.333**	**29JNGLOBAL03-**	**DESELC**	**300EV**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3088	0	366	16:03:08.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5005.64 +/- 5	2R7	4	0	5,845,220:55:0	
3089	0	366	16:03:08.333	175EV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	0	5,845,220:55:0	
3090	0	366	16:03:08.333	175EV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,845,220:55:0	
3091	0	366	16:03:09.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5005.58 +/- 5	2R7	4	0	5,845,220:56:8	
3092	0	366	16:03:27.000	117EV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	0	5,845,220:83:0	
3093	**0**	**366**	**16:03:36.466**	**29JNGLOBAL03-**		**-----STOP-------**		**2R7**	**4**	**0**	**: :**	
3094	**0**	**366**	**17:28:13.000**	**29NNGLOBAL04-**		**-----START------**		**2R7**	**4**	**0**	**: :**	
3095	**0**	**366**	**17:28:13.666**	**20EW5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,845,304:69:0**	
3096	**0**	**366**	**17:28:21.000**	**20EW5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,845,304:80:0**	
3097	0	366	17:28:27.666	165EW4A	**7SCAN**	**NORM,111.802999,**	**Check S/P Position**		4	0	5,845,304:90:0	
3098	**0**	**366**	**17:28:29.000**	**20EW6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,845,305:01:0**	
3099	**0**	**366**	**17:28:32.466**	**29JNGLOBAL04-**		**-----START------**			**4**	**0**	**: :**	
3100	**0**	**366**	**17:28:39.000**	**20EW6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,845,305:16:0**	
3101	**0**	**366**	**17:28:49.000**	**20EW5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,845,305:31:0**	
3102	**0**	**366**	**17:28:50.333**	**20EW5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,845,305:33:0**	
3103	**0**	**366**	**17:29:21.666**	**20EW4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**5,845,305:80:0**	
3104	**0**	**366**	**17:29:22.000**	**29NNGLOBAL04-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
3105	0	366	17:31:25.666	127EW	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,845,307:84:0	
3106	**0**	**366**	**17:31:25.666**	**127EW4A**	**37IOP**	**7,0**	**Fixed Map, Grating Start Position =00**	**2R7**	**4**	**0**	**5,845,307:84:0**	
3107	**0**	**366**	**17:31:26.333**	**127EW4B**	**37ETB**	**07,C7,18,3C,D7,0**	**Loads wavelength edit table**	**2R7**	**4**	**0**	**5,845,307:85:0**	
3108	0	366	17:31:34.333	127EW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	0	5,845,308:06:0	
3109	0	366	17:32:19.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5005.58 +/- 5	2R7	4	0	5,845,308:73:0	
3110	0	366	17:32:19.000	175EW422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	0	5,845,308:73:0	
3111	0	366	17:32:20.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5005.70 +/- 5	2R7	4	0	5,845,308:75:1	
3112	0	366	17:32:21.666	117EW	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	0	5,845,308:77:0	
3113	0	366	17:32:25.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5006.93 +/- 5	2R7	4	0	5,845,308:83:0	
3114	0	366	17:32:26.866		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5006.99 +/- 5	2R7	4	0	5,845,308:84:8	
3115	0	366	17:32:27.666	175EW176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	0	5,845,308:86:0	
3116	0	366	17:32:28.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5006.87 +/- 5	2R7	4	0	5,845,308:86:9	
3117	0	366	17:32:28.266		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5006.87 +/- 5	2R7	4	0	5,845,308:86:9	
3118	**0**	**366**	**17:32:30.333**	**29JNGLOBAL04-**	**NIMPBK**	**301EW**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3119	0	366	17:32:31.000	117EW105A106A4A	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,309:00:0	
3120	0	366	17:33:53.000	117EW105A106A4B	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,310:32:0	
3121	0	366	17:34:07.666	117EW105A106A4C	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,310:54:0	
3122	0	366	17:35:29.666	117EW105A106A4D	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,311:86:0	
3123	0	366	17:35:44.333	117EW105A106A4E	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,312:17:0	
3124	0	366	17:37:06.333	117EW105A106A4F	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,313:49:0	
3125	0	366	17:37:21.000	117EW105A106A4G	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,313:71:0	
3126	0	366	17:38:43.000	117EW105A106A4H	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,315:12:0	
3127	**0**	**366**	**17:38:50.333**	**29JNGLOBAL04-**	**NIMPBK**	**301FC**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3128	0	366	17:38:57.666	117EW105A106A4I	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,315:34:0	
3129	**0**	**366**	**17:39:10.333**	**29JNGLOBAL04-**	**DESELC**	**300FC**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3130	0	366	17:40:19.666	117EW105A106A4J	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,316:66:0	
3131	0	366	17:40:34.333	117EW105A106A4K	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,316:88:0	
3132	0	366	17:41:56.333	117EW105A106A4L	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,318:29:0	
3133	**0**	**366**	**17:42:09.666**	**29JNGLOBAL04-**	**NIMPBK**	**301FD**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3134	0	366	17:42:11.000	117EW105A106A4M	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,318:51:0	
3135	0	366	17:42:28.333	29JNGLOBAL04-	DESELC	300FD	JUPITER GLOBAL OBSERVATION	2R7	4	0	: :	
3136	0	366	17:43:04.333	29JNGLOBAL04-	DESELC	300EW	JUPITER GLOBAL OBSERVATION	2R7	4	0	: :	
3137	0	366	17:43:14.333	175EW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,845,319:55:0	
3138	0	366	17:43:14.333		DMS:	: *RUNDOWN	R7, TRACK 4, REV, TIC *4855.45 +/- 5	2R7	4	0	5,845,319:55:0	
3139	0	366	17:43:14.333	175EW6A	6TMREC	NRC	NO RECORD Record Mode Change	2R7	4	0	5,845,319:55:0	
3140	0	366	17:43:15.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4855.39 +/- 5	2R7	4	0	5,845,319:56:8	
3141	0	366	17:43:33.000	117EW11A	CSMOS	GE	***** GROUP END CSMOS	2R7	4	0	5,845,319:83:0	
3142	0	366	17:43:42.466	29JNGLOBAL04-		-----STOP-------		2R7	4	0	: :	
3143	0	366	18:37:43.000	165IQ4A	7SCAN	NORM,109.919,22.	Check S/P Position	2R7	4	0	5,845,373:44:0	
3144	0	366	18:40:37.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4855.39 +/- 5	2R7	4	0	5,845,376:33:0	
3145	0	366	18:40:37.666	175IQ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	0	5,845,376:33:0	
3146	0	366	18:40:39.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4855.51 +/- 5	2R7	4	0	5,845,376:35:1	
3147	0	366	18:40:44.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4856.74 +/- 5	2R7	4	0	5,845,376:43:0	
3148	0	366	18:40:44.333	165IQ4B	7VECT		Inert vect update UTC	2R7	4	0	5,845,376:43:0	
3149	0	366	18:40:45.533		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4856.80 +/- 5	2R7	4	0	5,845,376:44:8	
3150	0	366	18:40:49.000	175IQ176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	0	5,845,376:50:0	
3151	0	366	18:40:49.533		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4850.50 +/- 5	2R7	4	0	5,845,376:50:8	
3152	0	366	18:40:49.533		DMS:	: *RECORD	R115, TRACK 4, REV, TIC *4850.50 +/- 5	2R7	4	0	5,845,376:50:8	
3153	0	366	18:41:47.000		DMS:	: *RUNDOWN	R115, TRACK 4, REV, TIC *4648.47 +/- 5	2R7	4	0	5,845,377:46:0	
3154	0	366	18:41:47.000	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,845,377:46:0	
3155	0	366	18:41:48.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4647.47 +/- 6	2R7	4	0	5,845,377:47:8	
3156	0	366	19:02:59.666	165IZ4A	7SCAN	NORM,110.080999,	Check S/P Position	2R7	4	0	5,845,398:44:0	
3157	0	366	19:05:54.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4647.47 +/- 6	2R7	4	0	5,845,401:33:0	
3158	0	366	19:05:54.333	175IZ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	0	5,845,401:33:0	
3159	0	366	19:05:55.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4647.59 +/- 6	2R7	4	0	5,845,401:35:1	
3160	0	366	19:06:01.000	165IZ4B	7VECT		Inert vect update UTC	2R7	4	0	5,845,401:43:0	
3161	0	366	19:06:01.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4648.83 +/- 6	2R7	4	0	5,845,401:43:0	
3162	0	366	19:06:02.200		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4648.89 +/- 6	2R7	4	0	5,845,401:44:8	
3163	0	366	19:06:05.666	175IZ176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	0	5,845,401:50:0	
3164	0	366	19:06:06.200		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4642.59 +/- 6	2R7	4	0	5,845,401:50:8	
3165	0	366	19:06:06.200		DMS:	: *RECORD	R115, TRACK 4, REV, TIC *4642.59 +/- 6	2R7	4	0	5,845,401:50:8	
3166	0	366	19:07:04.333		DMS:	: *RUNDOWN	R115, TRACK 4, REV, TIC *4438.21 +/- 6	2R7	4	0	5,845,402:47:0	
3167	0	366	19:07:04.333	175IZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,845,402:47:0	
3168	0	366	19:07:05.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4437.21 +/- 6	2R7	4	0	5,845,402:48:8	
3169	0	366	19:08:19.000	29NNGLOBAL05-		-----START------		2R7	4	0	: :	
3170	0	366	19:08:19.666	20EX5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,845,403:69:0	
3171	0	366	19:08:24.333	488AQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan		4	0	5,845,403:76:0	
3172	0	366	19:08:27.000	20EX5B	37MRL		Memory Realocate (software operates from R		4	0	5,845,403:80:0	
3173	0	366	19:08:33.666	165EX4A	7SCAN	NORM,112.473,24.	Check S/P Position		4	0	5,845,403:90:0	
3174	0	366	19:08:35.000	20EX6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,845,404:01:0	
3175	0	366	19:08:38.466	29JNGLOBAL05-		-----START------			4	0	: :	
3176	0	366	19:08:45.000	20EX6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,845,404:16:0	
3177	0	366	19:08:55.000	20EX5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,845,404:31:0	
3178	0	366	19:08:56.333	20EX5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,845,404:33:0	
3179	0	366	19:09:27.666	20EX4A	37IST	1,2,0,OFF,0,1,0	Chopper ON, Sync, Chopper (Ref)Gain State	2R0	4	0	5,845,404:80:0	
3180	0	366	19:09:28.000	29NNGLOBAL05-		-----STOP-------		2R0	4	0	: :	
3181	0	366	19:11:31.666	127EX	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,845,406:84:0	
3182	0	366	19:11:31.666	127EX4A	37IOP	7,0	Fixed Map, Grating Start Position =00	2R7	4	0	5,845,406:84:0	
3183	0	366	19:11:32.333	127EX4B	37ETB	07,C7,18,3C,D7,0	Loads wavelength edit table	2R7	4	0	5,845,406:85:0	
3184	0	366	19:11:40.333	127EX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	0	5,845,407:06:0	
3185	0	366	19:12:25.000	175EX422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	0	5,845,407:73:0	
3186	0	366	19:12:25.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4437.21 +/- 6	2R7	4	0	5,845,407:73:0	
3187	0	366	19:12:26.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4437.33 +/- 6	2R7	4	0	5,845,407:75:1	
3188	0	366	19:12:27.666	117EX	CSMOS	GS	***** GROUP START CSMOS	2R7	4	0	5,845,407:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3189	0	366	19:12:31.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4438.56 +/- 6	2R7	4	0	5,845,407:83:0	
3190	0	366	19:12:32.866		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4438.62 +/- 6	2R7	4	0	5,845,407:84:8	
3191	0	366	19:12:33.666	175EX176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	0	5,845,407:86:0	
3192	0	366	19:12:34.266		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4438.50 +/- 6	2R7	4	0	5,845,407:86:9	
3193	0	366	19:12:34.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4438.50 +/- 6	2R7	4	0	5,845,407:86:9	
3194	**0**	**366**	**19:12:36.333**	**29JNGLOBAL05-**	**NIMPBK**	**301EX**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3195	0	366	19:12:37.000	117EX105A106A4A	**7STRP**	**0.058065,0.0,0,0**	**Slew =,0.76**	2R7	4	0	5,845,408:00:0	
3196	0	366	19:13:59.000	117EX105A106A4B	**7STRP**	**-0.058065,0.008,**	**Slew =12.01**	2R7	4	0	5,845,409:32:0	
3197	0	366	19:14:13.666	117EX105A106A4C	**7STRP**	**0.058065,0.0,0,0**	**Slew =,0.76**	2R7	4	0	5,845,409:54:0	
3198	0	366	19:15:35.666	117EX105A106A4D	**7STRP**	**-0.058065,0.008,**	**Slew =12.01**	2R7	4	0	5,845,410:86:0	
3199	0	366	19:15:50.333	117EX105A106A4E	**7STRP**	**0.058065,0.0,0,0**	**Slew =,0.76**	2R7	4	0	5,845,411:17:0	
3200	0	366	19:17:12.333	117EX105A106A4F	**7STRP**	**-0.058065,0.008,**	**Slew =12.01**	2R7	4	0	5,845,412:49:0	
3201	0	366	19:17:27.000	117EX105A106A4G	**7STRP**	**0.058065,0.0,0,0**	**Slew =,0.76**	2R7	4	0	5,845,412:71:0	
3202	0	366	19:18:49.000	117EX105A106A4H	**7STRP**	**-0.058065,0.008,**	**Slew =12.01**	2R7	4	0	5,845,414:12:0	
3203	0	366	19:19:03.666	117EX105A106A4I	**7STRP**	**0.058065,0.0,0,0**	**Slew =,0.76**	2R7	4	0	5,845,414:34:0	
3204	0	366	19:20:25.666	117EX105A106A4J	**7STRP**	**-0.058065,0.008,**	**Slew =12.01**	2R7	4	0	5,845,415:66:0	
3205	0	366	19:20:40.333	117EX105A106A4K	**7STRP**	**0.058065,0.0,0,0**	**Slew =,0.76**	2R7	4	0	5,845,415:88:0	
3206	0	366	19:22:02.333	117EX105A106A4L	**7STRP**	**-0.058065,0.008,**	**Slew =12.01**	2R7	4	0	5,845,417:29:0	
3207	0	366	19:22:17.000	117EX105A106A4M	**7STRP**	**0.058065,0.0,0,0**	**Slew =,0.76**	2R7	4	0	5,845,417:51:0	
3208	**0**	**366**	**19:23:10.333**	**29JNGLOBAL05-**	**DESELC**	**300EX**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
3209	0	366	19:23:20.333	175EX6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	0	5,845,418:55:0	
3210	0	366	19:23:20.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4287.08 +/- 6	2R7	4	0	5,845,418:55:0	
3211	0	366	19:23:20.333	175EX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,845,418:55:0	
3212	0	366	19:23:21.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4287.02 +/- 6	2R7	4	0	5,845,418:56:8	
3213	0	366	19:23:39.000	117EX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	0	5,845,418:83:0	
3214	**0**	**366**	**19:23:48.466**	**29JNGLOBAL05-**		**-----STOP-------**		**2R7**	**4**	**0**	**: :**	
3215	0	366	19:28:16.333	165JM4A	7SCAN	NORM,110.242,22.	Check S/P Position	2R7	4	0	5,845,423:44:0	
3216	0	366	19:31:11.000	175JM422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	0	5,845,426:33:0	
3217	0	366	19:31:11.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4287.02 +/- 6	2R7	4	0	5,845,426:33:0	
3218	0	366	19:31:12.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4287.14 +/- 6	2R7	4	0	5,845,426:35:1	
3219	0	366	19:31:17.666	165JM4B	7VECT		Inert vect update UTC	2R7	4	0	5,845,426:43:0	
3220	0	366	19:31:17.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4288.38 +/- 6	2R7	4	0	5,845,426:43:0	
3221	0	366	19:31:18.866		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4288.44 +/- 6	2R7	4	0	5,845,426:44:8	
3222	0	366	19:31:22.333	175JM176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	0	5,845,426:50:0	
3223	0	366	19:31:22.866		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4282.14 +/- 6	2R7	4	0	5,845,426:50:8	
3224	0	366	19:31:22.866		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4282.14 +/- 6	2R7	4	0	5,845,426:50:8	
3225	0	366	19:32:20.333		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4080.11 +/- 6	2R7	4	0	5,845,427:46:0	
3226	0	366	19:32:20.333	175JM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,845,427:46:0	
3227	0	366	19:32:21.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4079.11 +/- 6	2R7	4	0	5,845,427:47:8	
3228	0	366	19:53:33.000	165JN4A	7SCAN	NORM,110.400999,	Check S/P Position	2R7	4	0	5,845,448:44:0	
3229	0	366	19:56:27.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4079.11 +/- 6	2R7	4	0	5,845,451:33:0	
3230	0	366	19:56:27.666	175JN422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	0	5,845,451:33:0	
3231	0	366	19:56:29.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4079.23 +/- 6	2R7	4	0	5,845,451:35:1	
3232	0	366	19:56:34.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4080.46 +/- 6	2R7	4	0	5,845,451:43:0	
3233	0	366	19:56:34.333	165JN4B	7VECT		Inert vect update UTC	2R7	4	0	5,845,451:43:0	
3234	0	366	19:56:35.533		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4080.52 +/- 6	2R7	4	0	5,845,451:44:8	
3235	0	366	19:56:39.000	175JN176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	0	5,845,451:50:0	
3236	0	366	19:56:39.533		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4074.22 +/- 6	2R7	4	0	5,845,451:50:8	
3237	0	366	19:56:39.533		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4074.22 +/- 6	2R7	4	0	5,845,451:50:8	
3238	0	366	19:57:37.666	175JN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,845,452:47:0	
3239	0	366	19:57:37.666		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3869.85 +/- 6	2R7	4	0	5,845,452:47:0	
3240	0	366	19:57:38.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3868.85 +/- 6	2R7	4	0	5,845,452:48:8	
3241	0	366	20:48:39.666	165EY4A	**7SCAN**	**NORM,113.177999,**	**Check S/P Position**	2R7	4	0	5,845,502:90:0	
3242	**0**	**366**	**20:48:44.466**	**29JNGLOBAL06-**		**-----START------**		**2R7**	**4**	**0**	**: :**	
3243	**0**	**366**	**20:49:26.000**	**29NNGLOBAL06-**		**-----START------**		**2R7**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3244	0	366	20:49:26.333	20EY5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,845,503:69:0	
3245	0	366	20:49:33.666	20EY5B	37MRL		Memory Realocate (software operates from R		4	0	5,845,503:80:0	
3246	0	366	20:49:41.666	20EY6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,845,504:01:0	
3247	0	366	20:49:51.666	20EY6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,845,504:16:0	
3248	0	366	20:50:01.666	20EY5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,845,504:31:0	
3249	0	366	20:50:03.000	20EY5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,845,504:33:0	
3250	0	366	20:50:34.333	20EY4A	37IST	1,2,0,OFF,0,1,0	Chopper ON, Sync, Chopper (Ref)Gain State	2R0	4	0	5,845,504:80:0	
3251	0	366	20:50:35.000	29NNGLOBAL06-		-----STOP-------		2R0	4	0	: :	
3252	0	366	20:51:37.666	127EY4A	37IOP	7,0	Fixed Map, Grating Start Position =00	2R7	4	0	5,845,505:84:0	
3253	0	366	20:51:37.666	127EY	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	0	5,845,505:84:0	
3254	0	366	20:51:38.333	127EY4B	37ETB	07,C7,18,3C,D7,0	Loads wavelength edit table	2R7	4	0	5,845,505:85:0	
3255	0	366	20:51:46.333	127EY11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	0	5,845,506:06:0	
3256	0	366	20:52:31.000	175EY422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	0	5,845,506:73:0	
3257	0	366	20:52:31.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3868.85 +/- 6	2R7	4	0	5,845,506:73:0	
3258	0	366	20:52:32.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3868.97 +/- 6	2R7	4	0	5,845,506:75:1	
3259	0	366	20:52:33.666	117EY	CSMOS	GS	***** GROUP START CSMOS	2R7	4	0	5,845,506:77:0	
3260	0	366	20:52:37.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3870.20 +/- 6	2R7	4	0	5,845,506:83:0	
3261	0	366	20:52:38.866		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3870.26 +/- 6	2R7	4	0	5,845,506:84:8	
3262	0	366	20:52:39.666	175EY176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	0	5,845,506:86:0	
3263	0	366	20:52:40.266		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3870.14 +/- 6	2R7	4	0	5,845,506:86:9	
3264	0	366	20:52:40.266		DMS:	: *RECORD	R7, TRACK 4, REV, TIC *3870.14 +/- 6	2R7	4	0	5,845,506:86:9	
3265	0	366	20:52:42.333	29JNGLOBAL06-	NIMPBK	301EY	JUPITER GLOBAL OBSERVATION	2R7	4	0	: :	
3266	0	366	20:52:43.000	117EY105A106A4A	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,507:00:0	
3267	0	366	20:54:05.000	117EY105A106A4B	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,508:32:0	
3268	0	366	20:54:19.666	117EY105A106A4C	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,508:54:0	
3269	0	366	20:55:41.666	117EY105A106A4D	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,509:86:0	
3270	0	366	20:55:56.333	117EY105A106A4E	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,510:17:0	
3271	0	366	20:57:18.333	117EY105A106A4F	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,511:49:0	
3272	0	366	20:57:33.000	117EY105A106A4G	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,511:71:0	
3273	0	366	20:58:55.000	117EY105A106A4H	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,513:12:0	
3274	0	366	20:59:09.666	117EY105A106A4I	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,513:34:0	
3275	0	366	21:00:31.666	117EY105A106A4J	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,514:66:0	
3276	0	366	21:00:37.666	29JNGLOBAL06-	NIMPBK	301FE	JUPITER GLOBAL OBSERVATION	2R7	4	0	: :	
3277	0	366	21:00:46.333	117EY105A106A4K	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,514:88:0	
3278	0	366	21:01:28.333	29JNGLOBAL06-	DESELC	300FE	JUPITER GLOBAL OBSERVATION	2R7	4	0	: :	
3279	0	366	21:02:08.333	117EY105A106A4L	7STRP	-0.058065,0.008,	Slew =12.01	2R7	4	0	5,845,516:29:0	
3280	0	366	21:02:23.000	117EY105A106A4M	7STRP	0.058065,0.0,0,0	Slew =,0.76	2R7	4	0	5,845,516:51:0	
3281	0	366	21:03:16.333	29JNGLOBAL06-	DESELC	300EY	JUPITER GLOBAL OBSERVATION	2R7	4	0	: :	
3282	0	366	21:03:26.333	175EY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,845,517:55:0	
3283	0	366	21:03:26.333		DMS:	: *RUNDOWN	R7, TRACK 4, REV, TIC *3718.72 +/- 6	2R7	4	0	5,845,517:55:0	
3284	0	366	21:03:26.333	175EY6A	6TMREC	NRC	NO RECORD Record Mode Change	2R7	4	0	5,845,517:55:0	
3285	0	366	21:03:27.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3718.66 +/- 6	2R7	4	0	5,845,517:56:8	
3286	0	366	21:03:45.000	117EY11A	CSMOS	GE	***** GROUP END CSMOS	2R7	4	0	5,845,517:83:0	
3287	0	366	21:03:54.466	29JNGLOBAL06-		-----STOP-------		2R7	4	0	: :	
3288	1	1	01:00:00.333	481UA4A	7VECT		Inert vect update UTC	2R7	4	0	5,845,751:52:0	
3289	1	1	02:12:54.333	488AR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R7	4	0	5,845,823:61:0	
3290	1	1	02:57:42.333	488AR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R7	4	0	5,845,867:89:0	
3291	1	1	04:39:19.666	165JO4A	7SCAN	NORM,113.467999,	Check S/P Position	2R7	4	0	5,845,968:44:0	
3292	1	1	04:42:14.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3718.66 +/- 6	2R7	4	0	5,845,971:33:0	
3293	1	1	04:42:14.333	175JO422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	0	5,845,971:33:0	
3294	1	1	04:42:15.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3718.78 +/- 6	2R7	4	0	5,845,971:35:1	
3295	1	1	04:42:21.000	165JO4B	7VECT		Inert vect update UTC	2R7	4	0	5,845,971:43:0	
3296	1	1	04:42:21.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3720.01 +/- 6	2R7	4	0	5,845,971:43:0	
3297	1	1	04:42:22.200		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *3720.07 +/- 6	2R7	4	0	5,845,971:44:8	
3298	1	1	04:42:25.666	175JO176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	0	5,845,971:50:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3299	1	1	04:42:26.200		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3713.77 +/- 6	2R7	4	0	5,845,971:50:8
3300	1	1	04:42:26.200		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 3713.77 +/- 6	2R7	4	0	5,845,971:50:8
3301	1	1	04:44:24.333		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3298.46 +/- 6	2R7	4	0	5,845,973:46:0
3302	1	1	04:44:24.333	175JO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,845,973:46:0
3303	1	1	04:44:25.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3297.46 +/- 6	2R7	4	0	5,845,973:47:8
3304	1	1	05:04:36.333	165JP4A	7SCAN	NORM,113.598,22.	Check S/P Position	2R7	4	0	5,845,993:44:0
3305	1	1	05:07:31.000	175JP422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	0	5,845,996:33:0
3306	1	1	05:07:31.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3297.46 +/- 6	2R7	4	0	5,845,996:33:0
3307	1	1	05:07:32.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3297.58 +/- 6	2R7	4	0	5,845,996:35:1
3308	1	1	05:07:37.666	165JP4B	7VECT		Inert vect update UTC	2R7	4	0	5,845,996:43:0
3309	1	1	05:07:37.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3298.81 +/- 6	2R7	4	0	5,845,996:43:0
3310	1	1	05:07:38.866		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *3298.87 +/- 6	2R7	4	0	5,845,996:44:8
3311	1	1	05:07:42.333	175JP176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	0	5,845,996:50:0
3312	1	1	05:07:42.866		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3292.57 +/- 6	2R7	4	0	5,845,996:50:8
3313	1	1	05:07:42.866		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 3292.57 +/- 6	2R7	4	0	5,845,996:50:8
3314	1	1	05:09:41.000		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2877.26 +/- 6	2R7	4	0	5,845,998:46:0
3315	1	1	05:09:41.000	175JP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,845,998:46:0
3316	1	1	05:09:42.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2876.26 +/- 6	2R7	4	0	5,845,998:47:8
3317	1	1	05:29:53.000	165JQ4A	7SCAN	NORM,113.726,22.	Check S/P Position	2R7	4	0	5,846,018:44:0
3318	1	1	05:32:47.666	175JQ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	0	5,846,021:33:0
3319	1	1	05:32:47.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2876.26 +/- 6	2R7	4	0	5,846,021:33:0
3320	1	1	05:32:49.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2876.38 +/- 6	2R7	4	0	5,846,021:35:1
3321	1	1	05:32:54.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2877.62 +/- 6	2R7	4	0	5,846,021:43:0
3322	1	1	05:32:54.333	165JQ4B	7VECT		Inert vect update UTC	2R7	4	0	5,846,021:43:0
3323	1	1	05:32:55.533		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2877.68 +/- 6	2R7	4	0	5,846,021:44:8
3324	1	1	05:32:59.000	175JQ176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	0	5,846,021:50:0
3325	1	1	05:32:59.533		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2871.38 +/- 6	2R7	4	0	5,846,021:50:8
3326	1	1	05:32:59.533		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2871.38 +/- 6	2R7	4	0	5,846,021:50:8
3327	1	1	05:34:57.666		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2456.06 +/- 6	2R7	4	0	5,846,023:46:0
3328	1	1	05:34:57.666	175JQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,846,023:46:0
3329	1	1	05:34:58.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2455.06 +/- 6	2R7	4	0	5,846,023:47:8
3330	1	1	05:55:09.666	165JZ4A	7SCAN	NORM,113.853,22.	Check S/P Position	2R7	4	0	5,846,043:44:0
3331	1	1	05:58:04.333	175JZ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	0	5,846,046:33:0
3332	1	1	05:58:04.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2455.06 +/- 6	2R7	4	0	5,846,046:33:0
3333	1	1	05:58:05.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2455.18 +/- 6	2R7	4	0	5,846,046:35:1
3334	1	1	05:58:11.000	165JZ4B	7VECT		Inert vect update UTC	2R7	4	0	5,846,046:43:0
3335	1	1	05:58:11.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2456.42 +/- 6	2R7	4	0	5,846,046:43:0
3336	1	1	05:58:12.200		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2456.48 +/- 6	2R7	4	0	5,846,046:44:8
3337	1	1	05:58:15.666	175JZ176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	0	5,846,046:50:0
3338	1	1	05:58:16.200		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2450.18 +/- 6	2R7	4	0	5,846,046:50:8
3339	1	1	05:58:16.200		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2450.18 +/- 6	2R7	4	0	5,846,046:50:8
3340	1	1	06:00:14.333		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2034.87 +/- 6	2R7	4	0	5,846,048:46:0
3341	1	1	06:00:14.333	175JZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,846,048:46:0
3342	1	1	06:00:15.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2033.87 +/- 6	2R7	4	0	5,846,048:47:8
3343	1	1	08:28:22.333	488AS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R7	4	0	5,846,195:01:0
3344	1	1	10:02:14.333	488AS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R7	4	0	5,846,287:77:0
3345	1	1	10:26:29.000	488AS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R7	4	0	5,846,311:75:0
3346	1	1	10:36:22.333	488AS6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R7	4	0	5,846,321:55:0
3347	1	1	14:38:55.000	165QA4A	7SCAN	NORM,116.367,21.	Check S/P Position	2R7	4	0	5,846,561:44:0
3348	1	1	14:41:49.666	175QA422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	0	5,846,564:33:0
3349	1	1	14:41:49.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2033.87 +/- 6	2R7	4	0	5,846,564:33:0
3350	1	1	14:41:51.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2033.99 +/- 6	2R7	4	0	5,846,564:35:1
3351	1	1	14:41:56.333	165QA4B	7VECT		Inert vect update UTC	2R7	4	0	5,846,564:43:0
3352	1	1	14:41:56.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2035.22 +/- 6	2R7	4	0	5,846,564:43:0
3353	1	1	14:41:57.533		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2035.28 +/- 6	2R7	4	0	5,846,564:44:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3354	1	1	14:42:01.000	175QA176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	0	5,846,564:50:0
3355	1	1	14:42:01.533		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2028.98 +/- 6	2R7	4	0	5,846,564:50:8
3356	1	1	14:42:01.533		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2028.98 +/- 6	2R7	4	0	5,846,564:50:8
3357	1	1	14:42:59.000		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1826.95 +/- 6	2R7	4	0	5,846,565:46:0
3358	1	1	14:42:59.000	175QA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,846,565:46:0
3359	1	1	14:43:00.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1825.95 +/- 6	2R7	4	0	5,846,565:47:8
3360	1	1	15:04:11.666	165QB4A	7SCAN	NORM,116.473,21.	Check S/P Position	2R7	4	0	5,846,586:44:0
3361	1	1	15:07:06.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1825.95 +/- 6	2R7	4	0	5,846,589:33:0
3362	1	1	15:07:06.333	175QB422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	0	5,846,589:33:0
3363	1	1	15:07:07.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1826.07 +/- 6	2R7	4	0	5,846,589:35:1
3364	1	1	15:07:13.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1827.30 +/- 6	2R7	4	0	5,846,589:43:0
3365	1	1	15:07:13.000	165QB4B	7VECT		Inert vect update UTC	2R7	4	0	5,846,589:43:0
3366	1	1	15:07:14.200		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1827.36 +/- 6	2R7	4	0	5,846,589:44:8
3367	1	1	15:07:17.666	175QB176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	0	5,846,589:50:0
3368	1	1	15:07:18.200		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1821.06 +/- 6	2R7	4	0	5,846,589:50:8
3369	1	1	15:07:18.200		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1821.06 +/- 6	2R7	4	0	5,846,589:50:8
3370	1	1	15:08:16.333	175QB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,846,590:47:0
3371	1	1	15:08:16.333		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1616.69 +/- 6	2R7	4	0	5,846,590:47:0
3372	1	1	15:08:17.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1615.69 +/- 6	2R7	4	0	5,846,590:48:8
3373	1	1	17:33:21.000	411JA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	0	5,846,734:00:0
3374	1	1	17:33:21.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1615.69 +/- 6	2R7	4	0	5,846,734:00:0
3375	1	1	17:33:22.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1615.81 +/- 6	2R7	4	0	5,846,734:02:1
3376	1	1	17:33:27.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1617.04 +/- 6	2R7	4	0	5,846,734:10:0
3377	1	1	17:33:28.866		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1617.10 +/- 6	2R7	4	0	5,846,734:11:8
3378	1	1	17:33:30.266		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1616.98 +/- 6	2R7	4	0	5,846,734:13:9
3379	1	1	17:33:30.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1616.98 +/- 6	2R7	4	0	5,846,734:13:9
3380	1	1	17:33:31.000	411JA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R7	4	0	5,846,734:15:0
3381	1	1	17:35:32.333	411JA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	0	5,846,736:15:0
3382	1	1	17:35:35.000	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R7	4	0	5,846,736:19:0
3383	1	1	17:35:35.666	175TC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	0	5,846,736:20:0
3384	1	1	17:35:42.333	175TC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,846,736:30:0
3385	1	1	17:35:42.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1586.03 +/- 6	2R7	4	0	5,846,736:30:0
3386	1	1	17:35:43.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1585.97 +/- 6	2R7	4	0	5,846,736:31:8
3387	1	1	19:13:20.333	488AT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R7	4	0	5,846,832:81:0
3388	1	1	20:24:40.333	488AT6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R7	4	0	5,846,903:40:0
3389	1	1	20:53:46.333	488AT6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R7	4	0	5,846,932:20:0
3390	1	2	00:11:43.000	165IL4A	7SCAN	NORM,120.915,21.	Check S/P Position	2R7	4	0	5,847,127:90:0
3391	1	2	00:14:37.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1585.97 +/- 6	2R7	4	0	5,847,130:78:0
3392	1	2	00:14:37.000	175IL422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	0	5,847,130:78:0
3393	1	2	00:14:38.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1586.09 +/- 6	2R7	4	0	5,847,130:80:1
3394	1	2	00:14:43.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1587.32 +/- 6	2R7	4	0	5,847,130:88:0
3395	1	2	00:14:44.333	165IL4B	7VECT		Inert vect update UTC	2R7	4	0	5,847,130:89:0
3396	1	2	00:14:44.866		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1587.38 +/- 6	2R7	4	0	5,847,130:89:8
3397	1	2	00:14:48.333	175IL176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	0	5,847,131:04:0
3398	1	2	00:14:48.866		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1581.08 +/- 6	2R7	4	0	5,847,131:04:8
3399	1	2	00:14:48.866		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1581.08 +/- 6	2R7	4	0	5,847,131:04:8
3400	1	2	00:15:16.333		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1484.52 +/- 6	2R7	4	0	5,847,131:46:0
3401	1	2	00:15:16.333	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,847,131:46:0
3402	1	2	00:15:17.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1483.52 +/- 6	2R7	4	0	5,847,131:47:8
3403	1	2	00:53:58.266	488AT6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R7	4	0	5,847,169:71:0
3404	1	2	01:02:16.266	165JL4A	7SCAN	NORM,121.101999,	Check S/P Position	2R7	4	0	5,847,177:90:0
3405	1	2	01:05:10.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1483.52 +/- 6	2R7	4	0	5,847,180:78:0
3406	1	2	01:05:10.266	175JL422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	0	5,847,180:78:0
3407	1	2	01:05:11.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1483.64 +/- 6	2R7	4	0	5,847,180:80:1
3408	1	2	01:05:16.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1484.88 +/- 6	2R7	4	0	5,847,180:88:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3409	1	2	01:05:17.600	165JL4B	7VECT		Inert vect update UTC	2R7	4	0	5,847,180:89:0
3410	1	2	01:05:18.133		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1484.94 +/- 6	2R7	4	0	5,847,180:89:8
3411	1	2	01:05:21.600	175JL176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	0	5,847,181:04:0
3412	1	2	01:05:22.133		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1478.64 +/- 6	2R7	4	0	5,847,181:04:8
3413	1	2	01:05:22.133		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1478.64 +/- 6	2R7	4	0	5,847,181:04:8
3414	1	2	01:05:49.600	175JL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,847,181:46:0
3415	1	2	01:05:49.600		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1382.07 +/- 6	2R7	4	0	5,847,181:46:0
3416	1	2	01:05:50.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1381.07 +/- 6	2R7	4	0	5,847,181:47:8
3417	1	2	01:26:32.266	165JD4A	7SCAN	NORM,116.872,22.	Check S/P Position	2R7	4	0	5,847,201:90:0
3418	1	2	01:29:26.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1381.07 +/- 6	2R7	4	0	5,847,204:78:0
3419	1	2	01:29:26.266	175JD422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	0	5,847,204:78:0
3420	1	2	01:29:27.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1381.19 +/- 6	2R7	4	0	5,847,204:80:1
3421	1	2	01:29:32.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1382.43 +/- 6	2R7	4	0	5,847,204:88:0
3422	1	2	01:29:33.600	165JD4B	7VECT		Inert vect update UTC	2R7	4	0	5,847,204:89:0
3423	1	2	01:29:34.133		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1382.49 +/- 6	2R7	4	0	5,847,204:89:8
3424	1	2	01:29:37.600	175JD176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	0	5,847,205:04:0
3425	1	2	01:29:38.133		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1376.19 +/- 6	2R7	4	0	5,847,205:04:8
3426	1	2	01:29:38.133		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1376.19 +/- 6	2R7	4	0	5,847,205:04:8
3427	1	2	01:30:06.266		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1277.28 +/- 6	2R7	4	0	5,847,205:47:0
3428	1	2	01:30:06.266	175JD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	5,847,205:47:0
3429	1	2	01:30:07.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1276.28 +/- 6	2R7	4	0	5,847,205:48:8
3430	1	2	01:34:46.266	20KA4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R7	4	0	5,847,210:12:0
3431	**1**	**2**	**01:56:32.000**	**29NNRELOAD02-**		**-----START------**		**2R7**	**4**	**0**	**: :**
3432	**1**	**2**	**01:56:32.933**	**20FN5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,847,231:61:0**
3433	**1**	**2**	**01:56:36.266**	**20FN5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,847,231:66:0**
3434	**1**	**2**	**01:56:39.600**	**20FN6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,847,231:71:0**
3435	**1**	**2**	**01:56:49.600**	**20FN6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,847,231:86:0**
3436	**1**	**2**	**01:57:03.600**	**20FN5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,847,232:16:0**
3437	**1**	**2**	**01:57:06.933**	**20FN5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,847,232:21:0**
3438	**1**	**2**	**01:57:46.933**	**20FN4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**5,847,232:81:0**
3439	1	2	01:58:49.600	127FN	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,847,233:84:0
3440	**1**	**2**	**01:58:49.600**	**127FN4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,847,233:84:0**
3441	**1**	**2**	**01:58:50.266**	**127FN4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,847,233:85:0**
3442	1	2	01:58:58.266	127FN11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,847,234:06:0
3443	**1**	**2**	**02:03:52.933**	**127FO4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**2R0**	**4**	**0**	**5,847,238:84:0**
3444	1	2	02:03:52.933	127FO	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,847,238:84:0
3445	**1**	**2**	**02:03:53.600**	**127FO4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**2R0**	**4**	**0**	**5,847,238:85:0**
3446	1	2	02:04:01.600	127FO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R0	4	0	5,847,239:06:0
3447	**1**	**2**	**02:04:02.000**	**29NNRELOAD02-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
3448	**1**	**2**	**02:06:54.000**	**29NNCHOPOF01-**		**-----START------**		**2R0**	**4**	**0**	**: :**
3449	**1**	**2**	**02:06:54.933**	**125FN4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**5,847,241:84:0**
3450	1	2	02:06:54.933	125FN	NIMSINIT	GS	##### GROUP START INIT	260	4	0	5,847,241:84:0
3451	**1**	**2**	**02:07:55.600**	**125FN4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**2O0**	**4**	**0**	**5,847,242:84:0**
3452	1	2	02:08:56.266	125FN11A	NIMSINIT	GE	##### GROUP END INIT	2O0	4	0	5,847,243:84:0
3453	**1**	**2**	**02:08:56.266**	**125FN4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2O0**	**4**	**0**	**5,847,243:84:0**
3454	**1**	**2**	**02:08:57.000**	**29NNCHOPOF01-**		**-----STOP-------**		**2O0**	**4**	**0**	**: :**
3455	1	2	02:57:42.266	488AU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,847,292:14:0
3456	1	2	03:09:41.600	488AU6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,847,304:01:0
3457	1	2	03:38:47.600	488AU6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,847,332:72:0
3458	1	2	04:09:41.600	488AU6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,847,363:32:0
3459	1	2	04:38:47.600	488AU6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,847,392:12:0
3460	1	2	09:08:54.266	488AV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,847,659:25:0
3461	1	2	10:26:24.933	488AV6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,847,735:85:0
3462	1	2	10:36:22.266	488AV6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,847,745:71:0
3463	1	2	17:33:10.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1276.28 +/- 6	2O0	4	0	5,848,158:00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3464	1	2	17:33:10.266	411JB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,848,158:00:0
3465	1	2	17:33:11.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1276.40 +/- 6	2O0	4	0	5,848,158:02:1
3466	1	2	17:33:16.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1277.64 +/- 6	2O0	4	0	5,848,158:10:0
3467	1	2	17:33:18.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1277.70 +/- 6	2O0	4	0	5,848,158:11:8
3468	1	2	17:33:19.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1277.58 +/- 6	2O0	4	0	5,848,158:13:9
3469	1	2	17:33:19.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1277.58 +/- 6	2O0	4	0	5,848,158:13:9
3470	1	2	17:33:20.266	411JB6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,848,158:15:0
3471	1	2	17:35:21.600	411JB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,848,160:15:0
3472	1	2	17:35:24.266	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,848,160:19:0
3473	1	2	17:35:24.933	175TD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,848,160:20:0
3474	1	2	17:35:31.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1246.62 +/- 6	2O0	4	0	5,848,160:30:0
3475	1	2	17:35:31.600	175TD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,848,160:30:0
3476	1	2	17:35:32.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1246.56 +/- 6	2O0	4	0	5,848,160:31:8
3477	1	2	19:13:15.600	488AW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,848,256:90:0
3478	1	2	20:24:45.600	488AW6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,848,327:64:0
3479	1	2	20:46:20.266	20UL4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	5,848,349:04:0
3480	1	2	20:53:51.600	488AW6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,848,356:44:0
3481	1	2	21:05:20.266	20UL4D	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	5,848,367:76:0
3482	1	2	23:52:00.266	20UL4F	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,848,532:61:0
3483	1	2	23:53:00.266	488AW6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	5,848,533:60:0
3484	1	3	00:24:00.266	20AA4AA	7STAT	10.00,301.7175,3	Stator inertial point	2O0	4	0	5,848,564:29:0
3485	1	3	00:24:12.266	20AA6AA	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	2O0	4	0	5,848,564:47:0
3486	1	3	00:30:00.266	474AA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	5,848,570:23:0
3487	1	3	00:32:00.266	474AA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	5,848,572:21:0
3488	1	3	00:32:20.266	20AA4AD	7STAT	17.45,301.7175,3	Stator inertial point	2O0	4	0	5,848,572:51:0
3489	1	3	00:36:14.266	474AA416A4E	**7BURN**	**301.717499,38.63**	ALERT -- Thruster fire	2O0	4	0	5,848,576:38:0
3490	1	3	00:49:04.266	20AA4AI	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,848,589:10:0
3491	1	3	00:53:56.266	20AA4AJ	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,848,593:84:0
3492	1	3	00:53:58.266	488AW6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	5,848,593:87:0
3493	1	3	01:49:36.933	432PB431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	5,848,648:90:0
3494	1	3	01:49:37.600	432PB6A	6RTSL1		R/T Select of DDS and	2O0	4	0	5,848,649:00:0
3495	1	3	02:53:26.266	488AX6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	5,848,712:10:0
3496	1	3	03:04:46.266	488AX6B	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	2O0	4	0	5,848,723:29:0
3497	1	3	03:33:52.933	488AX6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	5,848,752:10:0
3498	1	3	04:04:46.266	488AX6D	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	2O0	4	0	5,848,782:60:0
3499	1	3	04:33:52.933	488AX6E	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	5,848,811:41:0
3500	1	3	09:08:54.266	488AY6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	5,849,083:41:0
3501	1	3	10:01:00.266	488AY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,849,134:89:0
3502	1	3	10:09:06.266	432OG431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	5,849,142:90:0
3503	1	3	10:09:06.933	432OG6A	6RTSL1		R/T Select of DDS and	2O0	4	0	5,849,143:00:0
3504	1	3	10:25:01.600	488AY6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,849,158:67:0
3505	1	3	10:27:50.266	488AY6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,849,161:47:0
3506	1	3	10:38:30.200	488AY6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,849,172:06:0
3507	1	3	16:58:10.866	488AZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,849,547:52:0
3508	1	3	18:09:49.533	488AZ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,849,618:39:0
3509	1	3	18:38:55.533	488AZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,849,647:19:0
3510	1	3	19:53:00.200	488AZ6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	5,849,720:43:0
3511	1	3	20:06:00.200	20RP4C	7STAT	10.00,238.47,-19	Stator inertial point	2O0	4	0	5,849,733:30:0
3512	1	3	20:06:12.200	20RP6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	2O0	4	0	5,849,733:48:0
3513	1	3	20:25:02.200	490UA412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	5,849,752:14:0
3514	1	3	20:30:00.200	490UA412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	5,849,757:06:0
3515	1	3	20:30:20.200	20RP4D	7STAT	17.45,238.47,-19	Stator inertial point	2O0	4	0	5,849,757:36:0
3516	1	3	20:34:10.200	490UA412A4E	7VECT		Inert vect update UTC	2O0	4	0	5,849,761:17:0
3517	1	3	20:34:14.200	490UA412A4F	7TURN	2,RTH	ALERT Thruster	2O0	4	0	5,849,761:23:0
3518	1	3	20:38:02.200	490UA412A406A4A	7STAR	1,383,331.28	Star catalog update	2O0	4	0	5,849,765:01:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3519	1	3	20:38:04.200	490UA412A406A4B	7STAR	2,253,200.48	Star catalog update	2O0	4	0	5,849,765:04:0	
3520	1	3	20:38:06.200	490UA412A406A4C	7STAR	3,128,295.85	Star catalog update	2O0	4	0	5,849,765:07:0	
3521	1	3	20:38:08.200	490UA412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	2O0	4	0	5,849,765:10:0	
3522	1	3	20:38:10.200	490UA412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	2O0	4	0	5,849,765:13:0	
3523	1	3	20:38:12.200	490UA412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2O0	4	0	5,849,765:16:0	
3524	1	3	20:48:06.200	20RP4F	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,849,774:88:0	
3525	1	3	20:56:10.200	490UA412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,849,782:86:0	
3526	1	3	22:09:59.533	432OI431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	5,849,855:87:0	
3527	1	3	22:10:00.200	432OI6A	6RTSL1		R/T Select of DDS and	2O0	4	0	5,849,855:88:0	
3528	1	3	22:31:00.200	488AZ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,849,876:67:0	
3529	1	4	00:47:34.200	488BA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,850,011:73:0	
3530	1	4	02:42:46.200	488BA6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,850,125:67:0	
3531	1	4	03:01:14.866	488BA6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,850,144:01:0	
3532	1	4	03:28:04.200	488BA6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,850,170:49:0	
3533	1	4	08:28:22.200	488BB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,850,467:49:0	
3534	1	4	09:53:42.200	488BB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,850,551:85:0	
3535	1	4	10:11:14.200	488BB6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,850,569:25:0	
3536	1	4	10:21:26.200	488BB6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,850,579:33:0	
3537	1	4	17:18:39.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1246.56 +/- 6	2O0	4	0	5,850,992:00:0	
3538	1	4	17:18:39.533	411JC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,850,992:00:0	
3539	1	4	17:18:40.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1246.68 +/- 6	2O0	4	0	5,850,992:02:1	
3540	1	4	17:18:46.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1247.92 +/- 6	2O0	4	0	5,850,992:10:0	
3541	1	4	17:18:47.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1247.98 +/- 6	2O0	4	0	5,850,992:11:8	
3542	1	4	17:18:48.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1247.86 +/- 6	2O0	4	0	5,850,992:13:9	
3543	1	4	17:18:48.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1247.86 +/- 6	2O0	4	0	5,850,992:13:9	
3544	1	4	17:18:49.533	411JC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,850,992:15:0	
3545	1	4	17:20:50.866	411JC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,850,994:15:0	
3546	1	4	17:20:53.533	175TE176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,850,994:19:0	
3547	1	4	17:20:54.200	175TE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,850,994:20:0	
3548	1	4	17:21:00.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1216.90 +/- 6	2O0	4	0	5,850,994:30:0	
3549	1	4	17:21:00.866	175TE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,850,994:30:0	
3550	1	4	17:21:02.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1216.84 +/- 6	2O0	4	0	5,850,994:31:8	
3551	1	4	19:22:11.533	488BC6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,851,114:16:0	
3552	1	5	01:41:20.800	488BD6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,851,489:15:0	
3553	1	5	02:08:10.133	488BD6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,851,515:63:0	
3554	1	5	09:17:26.133	488BE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,851,940:22:0	
3555	1	5	09:58:55.466	488BE6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,851,981:25:0	
3556	1	5	10:06:30.133	488BE6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,851,988:70:0	
3557	1	5	17:06:20.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1216.84 +/- 6	2O0	4	0	5,852,404:00:0	
3558	1	5	17:06:20.800	411JD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,852,404:00:0	
3559	1	5	17:06:22.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1216.96 +/- 6	2O0	4	0	5,852,404:02:1	
3560	1	5	17:06:27.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1218.20 +/- 6	2O0	4	0	5,852,404:10:0	
3561	1	5	17:06:28.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1218.26 +/- 6	2O0	4	0	5,852,404:11:8	
3562	1	5	17:06:30.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1218.14 +/- 6	2O0	4	0	5,852,404:13:9	
3563	1	5	17:06:30.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1218.14 +/- 6	2O0	4	0	5,852,404:13:9	
3564	1	5	17:06:30.800	411JD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,852,404:15:0	
3565	1	5	17:08:32.133	411JD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,852,406:15:0	
3566	1	5	17:08:34.800	175TF176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,852,406:19:0	
3567	1	5	17:08:35.466	175TF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,852,406:20:0	
3568	1	5	17:08:42.133	175TF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,852,406:30:0	
3569	1	5	17:08:42.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1187.18 +/- 6	2O0	4	0	5,852,406:30:0	
3570	1	5	17:08:43.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1187.12 +/- 6	2O0	4	0	5,852,406:31:8	
3571	1	5	19:27:05.466	488BF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,852,543:18:0	
3572	1	5	20:41:24.800	488BF6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,852,616:64:0	
3573	1	5	21:08:14.133	488BF6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,852,643:21:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3574	1	5	23:11:10.800	465KX6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,852,764:75:0	
3575	1	5	23:11:10.800		DMS:	: *E4-DELAY	RDY, TRACK *1, *FWD, TIC 1187.12 +/- 6	2O0	4	0	5,852,764:75:0	
3576	1	5	23:11:17.466		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 1187.12 +/- 6	2O0	4	0	5,852,764:85:0	
3577	1	5	23:11:21.333		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 1192.62 +/- 6	2O0	4	0	5,852,764:90:8	
3578	1	5	23:11:21.333		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC *1192.62 +/- 6	2O0	4	0	5,852,764:90:8	
3579	1	5	23:29:42.133		DMS:	**: *RUNDOWN**	P100, TRACK 1, FWD, TIC *4578.87 +/- 6	2O0	4	0	5,852,783:13:0	
3580	1	5	23:29:42.133	465KX6B	6DMSC	RDY,1	DMS Control Tape stop	2O0	4	0	5,852,783:13:0	
3581	1	5	23:29:43.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4579.67 +/- 6	2O0	4	0	5,852,783:14:8	
3582	1	5	23:31:34.800	465KY6A	6DMSC	RDY,2	DMS Control Tape stop	2O0	4	0	5,852,785:00:0	
3583	1	5	23:31:34.800		DMS:	: READY	RDY, TRACK *2, *REV, TIC 4579.67 +/- 6	2O0	4	0	5,852,785:00:0	
3584	1	5	23:34:36.800	176SP6A	6TMREC	IPB	INITIATE PLAYBACK (PB CONTROL) Record Mod	2O0	4	0	5,852,788:00:0	
3585	1	6	01:13:10.133	488BF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,852,885:43:0	
3586	1	6	02:32:06.133	488BG6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,852,963:49:0	
3587	1	6	02:57:49.466	488BG6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,852,988:89:0	
3588	1	6	03:22:22.800	488BG6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,853,013:24:0	
3589	1	6	07:43:34.066	488BG6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,853,271:53:0	
3590	1	6	08:44:39.400	176SQ6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,853,332:00:0	
3591	1	6	09:51:34.066	488BH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,853,398:16:0	
3592	1	6	10:16:32.066	488BH6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,853,422:79:0	
3593	1	6	10:17:10.066	488BH6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,853,423:45:0	
3594	1	6	10:25:42.066	488BH6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,853,431:85:0	
3595	1	6	16:57:00.066	488BI6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,853,818:85:0	
3596	1	6	16:59:05.400	176SR6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,853,821:00:0	
3597	1	7	02:06:30.066	488BJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,854,362:36:0	
3598	1	7	02:32:06.066	488BJ6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,854,387:65:0	
3599	1	7	07:32:54.066	488BJ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,854,685:19:0	
3600	1	7	09:43:02.066	488BK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,854,813:83:0	
3601	1	7	09:58:43.400	488BK6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,854,829:39:0	
3602	1	7	09:59:18.066	176ST6A	6TMREC	TPB	TERMINATE PLAYBACK (PB CONTROL) Record Mo	2O0	4	0	5,854,830:00:0	
3603	1	7	10:01:10.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4579.67 +/- 6	2O0	4	0	5,854,831:77:0	
3604	1	7	10:01:10.066	465KZ6A	6DMSC	P7,4	DMS Control Tape P/B 7.68kbps	2O0	4	0	5,854,831:77:0	
3605	1	7	10:01:11.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4579.79 +/- 6	2O0	4	0	5,854,831:79:1	
3606	1	7	10:01:16.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4581.03 +/- 6	2O0	4	0	5,854,831:87:0	
3607	1	7	10:01:17.933		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC *4581.09 +/- 6	2O0	4	0	5,854,831:88:8	
3608	1	7	10:01:19.333		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC 4580.97 +/- 6	2O0	4	0	5,854,831:90:9	
3609	1	7	10:01:19.333		DMS:	: *P_SLEW	P7, TRACK 4, REV, TIC *4580.97 +/- 6	2O0	4	0	5,854,831:90:9	
3610	1	7	10:02:53.400		DMS:	**: *RUNDOWN**	P7, TRACK 4, REV, TIC *4558.92 +/- 6	2O0	4	0	5,854,833:50:0	
3611	1	7	10:02:53.400	465KZ6B	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,854,833:50:0	
3612	1	7	10:02:54.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4558.86 +/- 6	2O0	4	0	5,854,833:51:8	
3613	1	7	10:04:22.066	488BK6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,854,835:01:0	
3614	1	7	10:09:58.066		DMS:	: *SLEW-TIC	P7, TRACK *2, REV, TIC 4558.86 +/- 6	2O0	4	0	5,854,840:50:0	
3615	1	7	10:09:58.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4558.86 +/- 6	2O0	4	0	5,854,840:50:0	
3616	1	7	10:09:59.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4558.98 +/- 6	2O0	4	0	5,854,840:52:1	
3617	1	7	10:10:04.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4560.22 +/- 6	2O0	4	0	5,854,840:60:0	
3618	1	7	10:10:05.933		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC *4560.28 +/- 6	2O0	4	0	5,854,840:61:8	
3619	1	7	10:10:07.333		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC *4560.16 +/- 6	2O0	4	0	5,854,840:63:9	
3620	1	7	14:16:00.866		DMS:	**: *RUNDOWN**	P7, TRACK 2, REV, TIC *1102.06 +/- 6	2O0	4	0	5,855,083:81:2	
3621	1	7	14:16:02.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1102.00 +/- 6	2O0	4	0	5,855,083:83:0	
3622	1	7	16:59:55.333		DMS:	: READY	RDY, TRACK *4, REV, TIC 1102.00 +/- 6	2O0	4	0	5,855,246:00:0	
3623	1	7	17:05:59.333	411JE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,855,252:00:0	
3624	1	7	17:05:59.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1102.00 +/- 6	2O0	4	0	5,855,252:00:0	
3625	1	7	17:06:00.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1102.12 +/- 6	2O0	4	0	5,855,252:02:1	
3626	1	7	17:06:06.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1103.35 +/- 6	2O0	4	0	5,855,252:10:0	
3627	1	7	17:06:07.200		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1103.41 +/- 6	2O0	4	0	5,855,252:11:8	
3628	1	7	17:06:08.600		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1103.29 +/- 6	2O0	4	0	5,855,252:13:9	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3629	1	7	17:06:08.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1103.29 +/- 6	2O0	4	0	5,855,252:13:9	
3630	1	7	17:06:09.333	411JE6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,855,252:15:0	
3631	1	7	17:08:10.666	411JE6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,855,254:15:0	
3632	1	7	17:08:13.333	175TG176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,855,254:19:0	
3633	1	7	17:08:14.000	175TG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,855,254:20:0	
3634	1	7	17:08:20.666		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1072.34 +/- 6	2O0	4	0	5,855,254:30:0	
3635	1	7	17:08:20.666	175TG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,855,254:30:0	
3636	1	7	17:08:21.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1072.28 +/- 6	2O0	4	0	5,855,254:31:8	
3637	1	7	19:16:54.000	488BL6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,855,381:43:0	
3638	1	8	00:30:30.000	488BL6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,855,691:57:0	
3639	1	8	05:55:46.000	488BM6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,856,013:29:0	
3640	1	8	05:56:54.000	488BM6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,856,014:40:0	
3641	1	8	13:03:08.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1072.28 +/- 6	2O0	4	0	5,856,436:00:0	
3642	1	8	13:03:08.666	411JF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,856,436:00:0	
3643	1	8	13:03:10.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1072.40 +/- 6	2O0	4	0	5,856,436:02:1	
3644	1	8	13:03:15.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1073.64 +/- 6	2O0	4	0	5,856,436:10:0	
3645	1	8	13:03:16.533		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1073.70 +/- 6	2O0	4	0	5,856,436:11:8	
3646	1	8	13:03:17.933		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1073.58 +/- 6	2O0	4	0	5,856,436:13:9	
3647	1	8	13:03:17.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1073.58 +/- 6	2O0	4	0	5,856,436:13:9	
3648	1	8	13:03:18.666	411JF6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,856,436:15:0	
3649	1	8	13:05:20.000	411JF6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,856,438:15:0	
3650	1	8	13:05:22.666	175TH176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,856,438:19:0	
3651	1	8	13:05:23.333	175TH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,856,438:20:0	
3652	1	8	13:05:30.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1042.62 +/- 6	2O0	4	0	5,856,438:30:0	
3653	1	8	13:05:30.000	175TH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,856,438:30:0	
3654	1	8	13:05:31.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1042.56 +/- 6	2O0	4	0	5,856,438:31:8	
3655	1	8	19:21:48.000	488BN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,856,810:45:0	
3656	1	8	20:36:42.666	488BN6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,856,884:53:0	
3657	1	8	21:03:32.000	488BN6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,856,911:10:0	
3658	1	8	22:02:00.000	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,856,968:85:0	
3659	1	8	22:03:00.000	20UR4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2O0	4	0	5,856,969:84:0	
3660	1	8	22:05:00.000	20UR4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	5,856,971:82:0	
3661	1	8	22:10:30.000	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	5,856,977:31:0	
3662	1	8	22:10:30.666	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	5,856,977:32:0	
3663	1	8	22:10:50.666	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	5,856,977:62:0	
3664	1	8	22:10:51.333	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	5,856,977:63:0	
3665	1	8	22:11:11.333	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,856,978:02:0	
3666	1	8	22:11:12.000	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,856,978:03:0	
3667	1	8	22:11:22.000	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,856,978:18:0	
3668	1	8	22:11:22.666	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,856,978:19:0	
3669	1	8	22:11:32.666	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	5,856,978:34:0	
3670	1	8	22:11:33.333	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	5,856,978:35:0	
3671	1	8	22:13:20.000	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	5,856,980:13:0	
3672	1	8	22:13:20.666	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	5,856,980:14:0	
3673	1	8	22:13:40.666	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	5,856,980:44:0	
3674	1	8	22:13:41.333	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	5,856,980:45:0	
3675	1	8	22:14:01.333	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,856,980:75:0	
3676	1	8	22:14:02.000	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,856,980:76:0	
3677	1	8	22:14:12.000	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,856,981:00:0	
3678	1	8	22:14:12.666	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,856,981:01:0	
3679	1	8	22:14:22.666	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	5,856,981:16:0	
3680	1	8	22:14:23.333	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	5,856,981:17:0	
3681	1	8	22:15:20.000	20UR4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,856,982:11:0	
3682	1	8	22:34:59.333	432OK431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	5,857,001:51:0	
3683	1	8	22:35:00.000	432OK6A	6RTSL1		R/T Select of DDS and	2O0	4	0	5,857,001:52:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3684	1	8	22:40:04.000	20UC4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,857,006:53:0
3685	1	8	22:40:54.000	20UC4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,857,007:37:0
3686	1	9	00:41:10.000	488BN6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,857,126:32:0
3687	1	9	01:48:06.666	488BO6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,857,192:51:0
3688	1	9	02:12:40.000	488BO6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,857,216:77:0
3689	1	9	07:11:33.933	488BO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,857,512:42:0
3690	1	9	08:14:39.266	488BP6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,857,574:78:0
3691	1	9	08:17:41.933	488BP6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,857,577:79:0
3692	1	9	14:07:36.600	488BP6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,857,923:85:0
3693	1	9	14:50:13.933	488BQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,857,966:08:0
3694	1	10	01:47:17.933	488BR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,858,615:85:0
3695	1	10	02:21:25.933	488BR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,858,649:63:0
3696	1	10	03:36:50.600	488BR6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,858,724:25:0
3697	1	10	04:03:39.933	488BR6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,858,750:73:0
3698	1	10	08:47:33.933	488BS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,859,031:53:0
3699	1	10	09:23:25.266	488BS6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,859,067:04:0
3700	1	10	09:30:13.933	488BS6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,859,073:71:0
3701	1	10	16:31:04.533	411JG6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,859,490:00:0
3702	1	10	16:31:04.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1042.56 +/- 6	2O0	4	0	5,859,490:00:0
3703	1	10	16:31:05.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1042.68 +/- 6	2O0	4	0	5,859,490:02:1
3704	1	10	16:31:11.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1043.92 +/- 6	2O0	4	0	5,859,490:10:0
3705	1	10	16:31:12.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1043.98 +/- 6	2O0	4	0	5,859,490:11:8
3706	1	10	16:31:13.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1043.86 +/- 6	2O0	4	0	5,859,490:13:9
3707	1	10	16:31:13.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1043.86 +/- 6	2O0	4	0	5,859,490:13:9
3708	1	10	16:31:14.533	411JG6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,859,490:15:0
3709	1	10	16:33:15.866	411JG6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,859,492:15:0
3710	1	10	16:33:18.533	175TI176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,859,492:19:0
3711	1	10	16:33:19.200	175TI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,859,492:20:0
3712	1	10	16:33:25.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1012.90 +/- 6	2O0	4	0	5,859,492:30:0
3713	1	10	16:33:25.866	175TI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,859,492:30:0
3714	1	10	16:33:27.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1012.84 +/- 6	2O0	4	0	5,859,492:31:8
3715	1	10	21:01:35.200	488BT6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,859,757:49:0
3716	1	11	01:43:01.866	488BT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,860,035:81:0
3717	1	11	02:12:53.866	488BT6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,860,065:39:0
3718	1	11	06:56:37.866	488BU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,860,346:04:0
3719	1	11	08:24:42.533	488BU6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,860,433:14:0
3720	1	11	15:32:15.200	411JH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,860,856:00:0
3721	1	11	15:32:15.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1012.84 +/- 6	2O0	4	0	5,860,856:00:0
3722	1	11	15:32:16.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1012.96 +/- 6	2O0	4	0	5,860,856:02:1
3723	1	11	15:32:21.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1014.20 +/- 6	2O0	4	0	5,860,856:10:0
3724	1	11	15:32:23.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1014.26 +/- 6	2O0	4	0	5,860,856:11:8
3725	1	11	15:32:24.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1014.14 +/- 6	2O0	4	0	5,860,856:13:9
3726	1	11	15:32:24.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1014.14 +/- 6	2O0	4	0	5,860,856:13:9
3727	1	11	15:32:25.200	411JH6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,860,856:15:0
3728	1	11	15:34:26.533	411JH6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,860,858:15:0
3729	1	11	15:34:29.200	175TJ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,860,858:19:0
3730	1	11	15:34:29.866	175TJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,860,858:20:0
3731	1	11	15:34:36.533	175TJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,860,858:30:0
3732	1	11	15:34:36.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 983.18 +/- 6	2O0	4	0	5,860,858:30:0
3733	1	11	15:34:37.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 983.13 +/- 6	2O0	4	0	5,860,858:31:8
3734	1	11	16:56:30.533	488BV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,860,939:30:0
3735	1	11	18:12:00.533	488BV6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,861,014:00:0
3736	1	11	18:38:50.533	488BV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,861,040:49:0
3737	1	12	00:39:01.800	488BW6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,861,396:70:0
3738	1	12	01:58:25.800	488BW6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,861,475:27:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3739	1	12	02:22:59.133	488BW6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,861,499:53:0
3740	1	12	06:41:41.800	488BX6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,861,755:41:0
3741	1	12	09:17:25.800	488BX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,861,909:43:0
3742	1	12	09:33:12.466	488BX6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,861,925:07:0
3743	1	12	09:38:45.800	488BX6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,861,930:52:0
3744	1	12	16:40:49.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 983.13 +/- 6	2O0	4	0	5,862,348:00:0
3745	1	12	16:40:49.800	411JI6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,862,348:00:0
3746	1	12	16:40:51.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 983.24 +/- 6	2O0	4	0	5,862,348:02:1
3747	1	12	16:40:56.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 984.48 +/- 6	2O0	4	0	5,862,348:10:0
3748	1	12	16:40:57.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 984.54 +/- 6	2O0	4	0	5,862,348:11:8
3749	1	12	16:40:59.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 984.42 +/- 6	2O0	4	0	5,862,348:13:9
3750	1	12	16:40:59.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 984.42 +/- 6	2O0	4	0	5,862,348:13:9
3751	1	12	16:40:59.800	411JI6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,862,348:15:0
3752	1	12	16:43:01.133	411JI6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,862,350:15:0
3753	1	12	16:43:03.800	175TK176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,862,350:19:0
3754	1	12	16:43:04.466	175TK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,862,350:20:0
3755	1	12	16:43:11.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 953.47 +/- 6	2O0	4	0	5,862,350:30:0
3756	1	12	16:43:11.133	175TK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,862,350:30:0
3757	1	12	16:43:12.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 953.41 +/- 6	2O0	4	0	5,862,350:31:8
3758	1	12	16:56:23.133	488BY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,862,363:35:0
3759	1	12	17:03:53.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 953.41 +/- 6	2O0	4	0	5,862,370:73:0
3760	1	12	17:03:53.133	465KT6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,862,370:73:0
3761	1	12	17:03:54.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 953.53 +/- 6	2O0	4	0	5,862,370:75:1
3762	1	12	17:03:59.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 954.76 +/- 6	2O0	4	0	5,862,370:83:0
3763	1	12	17:04:01.000		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC * 954.82 +/- 6	2O0	4	0	5,862,370:84:8
3764	1	12	17:04:04.866		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 949.32 +/- 7	2O0	4	0	5,862,370:90:6
3765	1	12	17:04:04.866		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC * 949.32 +/- 6	2O0	4	0	5,862,370:90:6
3766	1	12	17:07:31.800	465KT6B	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,862,374:37:0
3767	1	12	17:07:31.800		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 312.76 +/- 7	2O0	4	0	5,862,374:37:0
3768	1	12	17:07:33.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 311.96 +/- 7	2O0	4	0	5,862,374:38:8
3769	1	12	17:09:08.466	465KU6A	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	5,862,376:00:0
3770	1	12	17:09:08.466		DMS:	: READY	RDY, TRACK *3, *FWD, TIC 311.96 +/- 7	2O0	4	0	5,862,376:00:0
3771	1	12	17:13:03.800	20WP4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,862,379:80:0
3772	1	12	17:13:53.800	20WP4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,862,380:64:0
3773	1	12	17:15:12.466	176WP6A	6TMREC	IPB	INITIATE PLAYBACK (PB CONTROL) Record Mod	2O0	4	0	5,862,382:00:0
3774	1	13	01:32:21.800	488BZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,862,873:63:0
3775	1	13	02:13:07.800	488BZ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,862,914:01:0
3776	1	13	02:22:14.466	488BZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,862,923:02:0
3777	1	13	02:34:13.800	488BZ6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,862,934:80:0
3778	1	13	03:37:09.800	488BZ6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,862,997:11:0
3779	1	13	04:03:59.133	488CA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,863,023:59:0
3780	1	13	07:29:35.800	176WT6A	6TMREC	TPB	TERMINATE PLAYBACK (PB CONTROL) Record Mo	2O0	4	0	5,863,227:00:0
3781	1	13	07:34:39.133	465KV6A	6DMST	918	DMS Slew to TIC	2O0	4	0	5,863,232:00:0
3782	1	13	07:34:39.133		DMS:	: *SLEW-TIC	P7, TRACK *1, FWD, TIC 311.96 +/- 7	2O0	4	0	5,863,232:00:0
3783	1	13	07:34:39.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 311.96 +/- 7	2O0	4	0	5,863,232:00:0
3784	1	13	07:34:45.800		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 311.96 +/- 7	2O0	4	0	5,863,232:10:0
3785	1	13	07:34:47.200		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 312.08 +/- 7	2O0	4	0	5,863,232:12:1
3786	1	13	08:17:42.600		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC * 915.94 +/- 7	2O0	4	0	5,863,274:53:2
3787	1	13	08:17:43.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 916.00 +/- 7	2O0	4	0	5,863,274:55:0
3788	1	13	08:26:13.800	488CA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,863,283:01:0
3789	1	13	09:31:07.066	488CA6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,863,347:17:0
3790	1	13	09:32:21.733	488CA6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,863,348:38:0
3791	1	13	09:40:53.733	488CA6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,863,356:78:0
3792	1	13	14:34:15.733	465KW6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,863,647:00:0
3793	1	13	14:34:15.733		DMS:	: READY	RDY, TRACK *4, *REV, TIC 916.00 +/- 7	2O0	4	0	5,863,647:00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3794	1	13	16:38:37.733	411JJ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,863,770:00:0
3795	1	13	16:38:37.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 916.00 +/- 7	2O0	4	0	5,863,770:00:0
3796	1	13	16:38:39.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 916.12 +/- 7	2O0	4	0	5,863,770:02:1
3797	1	13	16:38:44.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 917.35 +/- 7	2O0	4	0	5,863,770:10:0
3798	1	13	16:38:45.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 917.41 +/- 7	2O0	4	0	5,863,770:11:8
3799	1	13	16:38:47.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 917.29 +/- 7	2O0	4	0	5,863,770:13:9
3800	1	13	16:38:47.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 917.29 +/- 7	2O0	4	0	5,863,770:13:9
3801	1	13	16:38:47.733	411JJ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,863,770:15:0
3802	1	13	16:40:49.066	411JJ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,863,772:15:0
3803	1	13	16:40:51.733	175TL176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,863,772:19:0
3804	1	13	16:40:52.400	175TL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,863,772:20:0
3805	1	13	16:40:59.066	175TL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,863,772:30:0
3806	1	13	16:40:59.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 886.34 +/- 7	2O0	4	0	5,863,772:30:0
3807	1	13	16:41:00.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 886.28 +/- 7	2O0	4	0	5,863,772:31:8
3808	1	13	18:26:16.400	488CB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,863,876:42:0
3809	1	14	01:25:57.733	488CC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,864,291:49:0
3810	1	14	02:03:00.400	488CC6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,864,328:16:0
3811	1	14	02:12:07.733	488CC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,864,337:18:0
3812	1	14	02:25:41.733	488CC6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,864,350:56:0
3813	1	14	06:22:29.733	488CC6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,864,584:74:0
3814	1	14	09:06:45.733	488CD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,864,747:25:0
3815	1	14	09:27:59.733	488CD6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,864,768:25:0
3816	1	14	09:34:29.733	488CD6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,864,774:64:0
3817	1	14	16:35:25.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 886.28 +/- 7	2O0	4	0	5,865,191:00:0
3818	1	14	16:35:25.066	411JK6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,865,191:00:0
3819	1	14	16:35:26.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 886.40 +/- 7	2O0	4	0	5,865,191:02:1
3820	1	14	16:35:31.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 887.64 +/- 7	2O0	4	0	5,865,191:10:0
3821	1	14	16:35:32.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 887.70 +/- 7	2O0	4	0	5,865,191:11:8
3822	1	14	16:35:34.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 887.58 +/- 7	2O0	4	0	5,865,191:13:9
3823	1	14	16:35:34.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 887.58 +/- 7	2O0	4	0	5,865,191:13:9
3824	1	14	16:35:35.066	411JK6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,865,191:15:0
3825	1	14	16:37:36.400	411JK6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,865,193:15:0
3826	1	14	16:37:39.066	175TM176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,865,193:19:0
3827	1	14	16:37:39.733	175TM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,865,193:20:0
3828	1	14	16:37:46.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 856.62 +/- 7	2O0	4	0	5,865,193:30:0
3829	1	14	16:37:46.400	175TM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,865,193:30:0
3830	1	14	16:37:47.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 856.56 +/- 7	2O0	4	0	5,865,193:31:8
3831	1	14	19:16:09.000	488CE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,865,349:88:0
3832	1	15	00:04:17.666	488CE6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,865,634:86:0
3833	1	15	00:11:08.333	488CE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,865,641:65:0
3834	1	15	00:45:25.666	488CE6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,865,675:57:0
3835	1	15	06:07:33.666	488CF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,865,994:20:0
3836	1	15	07:43:40.333	488CF6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,866,089:25:0
3837	1	15	07:45:41.666	488CF6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,866,091:25:0
3838	1	15	14:06:57.666	488CG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,866,468:32:0
3839	1	15	14:51:05.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 856.56 +/- 7	2O0	4	0	5,866,512:00:0
3840	1	15	14:51:05.666	411JL6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,866,512:00:0
3841	1	15	14:51:07.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 856.68 +/- 7	2O0	4	0	5,866,512:02:1
3842	1	15	14:51:12.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 857.92 +/- 7	2O0	4	0	5,866,512:10:0
3843	1	15	14:51:13.533		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 857.98 +/- 7	2O0	4	0	5,866,512:11:8
3844	1	15	14:51:14.933		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 857.86 +/- 7	2O0	4	0	5,866,512:13:9
3845	1	15	14:51:14.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 857.86 +/- 7	2O0	4	0	5,866,512:13:9
3846	1	15	14:51:15.666	411JL6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,866,512:15:0
3847	1	15	14:53:17.000	411JL6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,866,514:15:0
3848	1	15	14:53:19.666	175TN176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,866,514:19:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3849	1	15	14:53:20.333	175TN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,866,514:20:0
3850	1	15	14:53:27.000	175TN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,866,514:30:0
3851	1	15	14:53:27.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 826.90 +/- 7	2O0	4	0	5,866,514:30:0
3852	1	15	14:53:28.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 826.84 +/- 7	2O0	4	0	5,866,514:31:8
3853	1	15	15:21:03.666	488CG6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,866,541:58:0
3854	1	15	15:50:09.666	488CG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,866,570:38:0
3855	1	15	15:54:13.666	488CG6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,866,574:40:0
3856	1	15	23:52:05.666	488CH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,867,047:05:0
3857	1	16	00:26:13.666	488CH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,867,080:74:0
3858	1	16	00:49:41.666	488CH6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,867,104:02:0
3859	1	16	01:48:53.000	488CH6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,867,162:51:0
3860	1	16	02:13:25.666	488CH6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,867,186:76:0
3861	1	16	05:52:37.600	488CI6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,867,403:57:0
3862	1	16	08:56:05.600	488CI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,867,585:07:0
3863	1	16	09:12:45.600	488CI6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,867,601:51:0
3864	1	16	09:19:33.600	488CI6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,867,608:26:0
3865	1	16	16:19:53.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 826.84 +/- 7	2O0	4	0	5,868,024:00:0
3866	1	16	16:19:53.600	411JM6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,868,024:00:0
3867	1	16	16:19:55.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 826.96 +/- 7	2O0	4	0	5,868,024:02:1
3868	1	16	16:20:00.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 828.20 +/- 7	2O0	4	0	5,868,024:10:0
3869	1	16	16:20:01.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 828.26 +/- 7	2O0	4	0	5,868,024:11:8
3870	1	16	16:20:02.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 828.14 +/- 7	2O0	4	0	5,868,024:13:9
3871	1	16	16:20:02.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 828.14 +/- 7	2O0	4	0	5,868,024:13:9
3872	1	16	16:20:03.600	411JM6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,868,024:15:0
3873	1	16	16:22:04.933	411JM6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,868,026:15:0
3874	1	16	16:22:07.600	175TO176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,868,026:19:0
3875	1	16	16:22:08.266	175TO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,868,026:20:0
3876	1	16	16:22:14.933	175TO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,868,026:30:0
3877	1	16	16:22:14.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 797.18 +/- 7	2O0	4	0	5,868,026:30:0
3878	1	16	16:22:16.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 797.13 +/- 7	2O0	4	0	5,868,026:31:8
3879	1	16	19:10:56.266	488CJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,868,193:15:0
3880	1	17	01:06:45.600	488CJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,868,545:07:0
3881	1	17	01:40:53.600	488CK6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,868,578:76:0
3882	1	17	02:57:36.933	488CK6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,868,654:65:0
3883	1	17	03:24:26.266	488CK6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,868,681:22:0
3884	1	17	07:56:21.600	488CL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,868,950:16:0
3885	1	17	09:10:22.933	488CL6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,869,023:35:0
3886	1	17	09:11:01.600	488CL6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,869,024:02:0
3887	1	17	09:19:33.600	488CL6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,869,032:42:0
3888	1	17	16:17:41.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 797.13 +/- 7	2O0	4	0	5,869,446:00:0
3889	1	17	16:17:41.533	411JN6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,869,446:00:0
3890	1	17	16:17:42.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 797.24 +/- 7	2O0	4	0	5,869,446:02:1
3891	1	17	16:17:48.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 798.48 +/- 7	2O0	4	0	5,869,446:10:0
3892	1	17	16:17:49.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 798.54 +/- 7	2O0	4	0	5,869,446:11:8
3893	1	17	16:17:50.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 798.42 +/- 7	2O0	4	0	5,869,446:13:9
3894	1	17	16:17:50.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 798.42 +/- 7	2O0	4	0	5,869,446:13:9
3895	1	17	16:17:51.533	411JN6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,869,446:15:0
3896	1	17	16:19:52.866	411JN6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,869,448:15:0
3897	1	17	16:19:55.533	175TP176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,869,448:19:0
3898	1	17	16:19:56.200	175TP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,869,448:20:0
3899	1	17	16:20:02.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 767.47 +/- 7	2O0	4	0	5,869,448:30:0
3900	1	17	16:20:02.866	175TP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,869,448:30:0
3901	1	17	16:20:04.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 767.41 +/- 7	2O0	4	0	5,869,448:31:8
3902	1	17	19:05:49.533	488CM6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,869,612:26:0
3903	1	18	01:00:21.533	488CM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,869,962:84:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3904	1	18	01:45:09.533	488CN6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,870,007:21:0	
3905	1	18	05:12:05.533	488CN6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,870,211:81:0	
3906	1	18	08:45:25.533	488CO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,870,422:80:0	
3907	1	18	09:12:31.533	488CO6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,870,449:62:0	
3908	1	18	09:19:33.533	488CO6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,870,456:58:0	
3909	1	18	16:19:32.200	411JO6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,870,872:00:0	
3910	1	18	16:19:32.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 767.41 +/- 7	2O0	4	0	5,870,872:00:0	
3911	1	18	16:19:33.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 767.53 +/- 7	2O0	4	0	5,870,872:02:1	
3912	1	18	16:19:38.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 768.76 +/- 7	2O0	4	0	5,870,872:10:0	
3913	1	18	16:19:40.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 768.82 +/- 7	2O0	4	0	5,870,872:11:8	
3914	1	18	16:19:41.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 768.70 +/- 7	2O0	4	0	5,870,872:13:9	
3915	1	18	16:19:41.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 768.70 +/- 7	2O0	4	0	5,870,872:13:9	
3916	1	18	16:19:42.200	411JO6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,870,872:15:0	
3917	1	18	16:21:43.533	411JO6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,870,874:15:0	
3918	1	18	16:21:46.200	175TQ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,870,874:19:0	
3919	1	18	16:21:46.866	175TQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,870,874:20:0	
3920	1	18	16:21:53.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 737.75 +/- 7	2O0	4	0	5,870,874:30:0	
3921	1	18	16:21:53.533	175TQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,870,874:30:0	
3922	1	18	16:21:54.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 737.69 +/- 7	2O0	4	0	5,870,874:31:8	
3923	1	18	16:55:42.200	488CP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,870,907:70:0	
3924	1	18	18:12:47.533	488CP6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,870,984:01:0	
3925	1	18	18:39:37.533	488CP6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,871,010:50:0	
3926	1	18	23:22:13.533	488CQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,871,290:04:0	
3927	1	19	01:21:41.466	488CQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,871,408:18:0	
3928	1	19	01:49:41.466	488CQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,871,435:81:0	
3929	1	19	02:00:05.466	488CQ6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,871,446:16:0	
3930	1	19	02:14:46.800	488CQ6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,871,460:64:0	
3931	1	19	04:35:49.466	488CR6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,871,600:18:0	
3932	1	19	08:41:09.466	488CR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,871,842:76:0	
3933	1	19	09:12:24.800	488CR6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,871,873:68:0	
3934	1	19	09:19:33.466	488CR6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,871,880:74:0	
3935	1	19	15:10:36.133	488CS6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,872,228:00:0	
3936	1	20	00:51:49.466	488CT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,872,802:76:0	
3937	1	20	01:40:53.466	488CT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,872,851:33:0	
3938	1	20	02:38:29.466	488CT6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	5,872,908:30:0	
3939	1	20	03:25:25.466	488CT6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,872,954:68:0	
3940	1	20	08:36:53.466	488CU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,873,262:72:0	
3941	1	20	08:56:34.800	488CU6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,873,282:24:0	
3942	1	20	09:00:21.466	488CU6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,873,286:00:0	
3943	1	20	13:18:09.400	488CU6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,873,540:88:0	
3944	1	20	13:48:21.400	488CU6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,873,570:76:0	
3945	1	20	14:31:37.400	488CV6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,873,613:57:0	
3946	1	20	15:00:43.400	488CV6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,873,642:37:0	
3947	1	20	15:58:29.400	488CV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,873,699:49:0	
3948	1	20	23:00:53.400	488CW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,874,117:27:0	
3949	1	21	01:11:01.400	488CW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,874,246:00:0	
3950	1	21	01:36:37.400	488CW6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,874,271:29:0	
3951	1	21	01:53:04.733	488CW6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,874,287:54:0	
3952	1	21	02:19:54.066	488CW6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,874,314:11:0	
3953	1	21	08:30:29.400	488CX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,874,680:58:0	
3954	1	21	09:02:10.733	488CX6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,874,711:89:0	
3955	1	21	09:08:53.400	488CX6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,874,718:56:0	
3956	1	21	16:08:53.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 737.69 +/- 7	2O0	4	0	5,875,134:00:0	
3957	1	21	16:08:53.400	411JP6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,875,134:00:0	
3958	1	21	16:08:54.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 737.81 +/- 7	2O0	4	0	5,875,134:02:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3959	1	21	16:09:00.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 739.04 +/- 7	2O0	4	0	5,875,134:10:0	
3960	1	21	16:09:01.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 739.10 +/- 7	2O0	4	0	5,875,134:11:8	
3961	1	21	16:09:02.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 738.98 +/- 7	2O0	4	0	5,875,134:13:9	
3962	1	21	16:09:02.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 738.98 +/- 7	2O0	4	0	5,875,134:13:9	
3963	1	21	16:09:03.400	411JP6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,875,134:15:0	
3964	1	21	16:11:04.733	411JP6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,875,136:15:0	
3965	1	21	16:11:07.400	175TR176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,875,136:19:0	
3966	1	21	16:11:08.066	175TR422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,875,136:20:0	
3967	1	21	16:11:14.733	175TR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,875,136:30:0	
3968	1	21	16:11:14.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 708.03 +/- 7	2O0	4	0	5,875,136:30:0	
3969	1	21	16:11:15.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 707.97 +/- 7	2O0	4	0	5,875,136:31:8	
3970	1	21	18:45:20.066	488CY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,875,288:66:0	
3971	1	22	00:36:53.333	488CY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,875,636:38:0	
3972	1	22	01:30:13.333	488CZ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,875,689:15:0	
3973	1	22	08:26:13.333	488DA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,876,100:54:0	
3974	1	22	08:57:03.333	488DA6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,876,131:08:0	
3975	1	22	09:04:37.333	488DA6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,876,138:52:0	
3976	1	22	16:04:40.000	411JQ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,876,554:00:0	
3977	1	22	16:04:40.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 707.97 +/- 7	2O0	4	0	5,876,554:00:0	
3978	1	22	16:04:41.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 708.09 +/- 7	2O0	4	0	5,876,554:02:1	
3979	1	22	16:04:46.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 709.32 +/- 7	2O0	4	0	5,876,554:10:0	
3980	1	22	16:04:47.866		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 709.38 +/- 7	2O0	4	0	5,876,554:11:8	
3981	1	22	16:04:49.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 709.26 +/- 7	2O0	4	0	5,876,554:13:9	
3982	1	22	16:04:49.266		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 709.26 +/- 7	2O0	4	0	5,876,554:13:9	
3983	1	22	16:04:50.000	411JQ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,876,554:15:0	
3984	1	22	16:06:51.333	411JQ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,876,556:15:0	
3985	1	22	16:06:54.000	175TS176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,876,556:19:0	
3986	1	22	16:06:54.666	175TS422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,876,556:20:0	
3987	1	22	16:07:01.333	175TS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,876,556:30:0	
3988	1	22	16:07:01.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 678.31 +/- 7	2O0	4	0	5,876,556:30:0	
3989	1	22	16:07:02.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 678.25 +/- 7	2O0	4	0	5,876,556:31:8	
3990	1	22	17:30:13.333	488DB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,876,638:56:0	
3991	1	22	18:48:16.666	488DB6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,876,715:74:0	
3992	1	22	19:15:06.000	488DB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,876,742:31:0	
3993	1	22	22:35:17.333	488DB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,876,940:30:0	
3994	1	23	00:26:13.333	488DC6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,877,050:04:0	
3995	1	23	01:43:19.333	488DC6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,877,126:27:0	
3996	1	23	02:10:09.333	488DC6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,877,152:76:0	
3997	1	23	08:19:49.266	488DD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,877,518:40:0	
3998	1	23	08:54:54.600	488DD6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,877,553:13:0	
3999	1	23	08:56:05.266	488DD6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,877,554:28:0	
4000	1	23	09:04:37.266	488DD6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,877,562:68:0	
4001	1	23	15:00:07.266	488DE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,877,914:31:0	
4002	1	24	00:26:13.266	488DF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,878,474:20:0	
4003	1	24	01:11:01.266	488DF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,878,518:48:0	
4004	1	24	02:28:26.600	488DF6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,878,595:09:0	
4005	1	24	02:55:15.933	488DF6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,878,621:57:0	
4006	1	24	04:58:12.600	488DF6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,878,743:20:0	
4007	1	24	12:26:55.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 678.25 +/- 7	2O0	4	0	5,879,187:00:0	
4008	1	24	12:26:55.266	411JR6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,879,187:00:0	
4009	1	24	12:26:56.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 678.37 +/- 7	2O0	4	0	5,879,187:02:1	
4010	1	24	12:27:01.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 679.60 +/- 7	2O0	4	0	5,879,187:10:0	
4011	1	24	12:27:03.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 679.66 +/- 7	2O0	4	0	5,879,187:11:8	
4012	1	24	12:27:04.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 679.54 +/- 7	2O0	4	0	5,879,187:13:9	
4013	1	24	12:27:04.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 679.54 +/- 7	2O0	4	0	5,879,187:13:9	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4014	1	24	12:27:05.266	411JR6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,879,187:15:0	
4015	1	24	12:29:06.600	411JR6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,879,189:15:0	
4016	1	24	12:29:07.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 650.78 +/- 7	2O0	4	0	5,879,189:16:0	
4017	1	24	12:29:07.266	411JR6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,879,189:16:0	
4018	1	24	12:29:08.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 650.72 +/- 7	2O0	4	0	5,879,189:17:8	
4019	1	24	12:33:59.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 650.72 +/- 7	2O0	4	0	5,879,194:00:0	
4020	1	24	12:33:59.933	465KE6A	6DMST	324	DMS Slew to TIC	2O0	4	0	5,879,194:00:0	
4021	1	24	12:33:59.933		DMS:	: *SLEW-TIC	P7, TRACK *2, REV, TIC 650.72 +/- 7	2O0	4	0	5,879,194:00:0	
4022	1	24	12:34:01.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 650.84 +/- 7	2O0	4	0	5,879,194:02:1	
4023	1	24	12:34:06.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 652.07 +/- 7	2O0	4	0	5,879,194:10:0	
4024	1	24	12:34:07.800		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC * 652.13 +/- 7	2O0	4	0	5,879,194:11:8	
4025	1	24	12:34:09.200		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC * 652.01 +/- 7	2O0	4	0	5,879,194:13:9	
4026	1	24	12:57:18.733		DMS:	**: *RUNDOWN**	P7, TRACK 2, REV, TIC * 326.06 +/- 7	2O0	4	0	5,879,217:05:2	
4027	1	24	12:57:19.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 326.00 +/- 7	2O0	4	0	5,879,217:07:0	
4028	1	24	13:29:36.600	465KF6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,879,249:00:0	
4029	1	24	13:29:36.600		DMS:	: READY	RDY, TRACK *4, REV, TIC 326.00 +/- 7	2O0	4	0	5,879,249:00:0	
4030	1	24	13:32:31.933	465KG6A	6DTRN	CMD,6DTRN,465KG6	DMS TRACK TURNAROUND	2O0	4	0	5,879,251:81:0	
4031	1	24	13:32:31.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 326.00 +/- 7	2O0	4	0	5,879,251:81:0	
4032	1	24	13:32:31.933		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 326.00 +/- 7	2O0	4	0	5,879,251:81:0	
4033	1	24	13:32:33.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 326.12 +/- 7	2O0	4	0	5,879,251:83:1	
4034	1	24	13:32:38.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 327.35 +/- 7	2O0	4	0	5,879,252:00:0	
4035	1	24	13:32:39.800		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 327.41 +/- 7	2O0	4	0	5,879,252:01:8	
4036	1	24	13:32:41.200		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 327.29 +/- 7	2O0	4	0	5,879,252:03:9	
4037	1	24	13:41:44.800		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/- 7	2O0	4	0	5,879,261:00:3	
4038	1	24	13:41:46.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 7	2O0	4	0	5,879,261:02:1	
4039	1	24	13:41:46.000		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/- 7	2O0	4	0	5,879,261:02:1	
4040	1	24	13:41:47.400		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	5,879,261:04:2	
4041	1	24	13:41:59.400		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	5,879,261:22:2	
4042	1	24	13:42:00.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	5,879,261:24:0	
4043	1	24	18:02:36.533	465WA6A	6DMST	5000	DMS Slew to TIC	2O0	4	0	5,879,519:00:0	
4044	1	24	18:02:36.533		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,879,519:00:0	
4045	1	24	18:02:36.533		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,879,519:00:0	
4046	1	24	18:02:36.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,879,519:00:0	
4047	1	24	18:02:43.200		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,879,519:10:0	
4048	1	24	18:02:44.600		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	2O0	4	0	5,879,519:12:1	
4049	1	24	20:09:57.200	488DG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,879,644:86:0	
4050	1	24	23:43:45.333		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4997.94 +/-	2O0	4	0	5,879,856:36:2	
4051	1	24	23:43:46.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	2O0	4	0	5,879,856:38:0	
4052	1	24	23:56:17.866		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	2O0	4	0	5,879,868:73:0	
4053	1	24	23:56:17.866	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,879,868:73:0	
4054	1	24	23:56:19.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	2O0	4	0	5,879,868:75:1	
4055	1	24	23:56:24.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	2O0	4	0	5,879,868:83:0	
4056	1	24	23:56:25.733		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	2O0	4	0	5,879,868:84:8	
4057	1	24	23:56:29.600		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	2O0	4	0	5,879,868:90:6	
4058	1	24	23:56:29.600		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	2O0	4	0	5,879,868:90:6	
4059	1	25	00:15:33.200	488DG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,879,887:77:0	
4060	1	25	00:22:09.866		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 255.79 +/-	2O0	4	0	5,879,894:35:0	
4061	1	25	00:22:09.866	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,879,894:35:0	
4062	1	25	00:22:11.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	2O0	4	0	5,879,894:36:8	
4063	1	25	00:41:43.200	488DG6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,879,913:66:0	
4064	1	25	00:47:33.200	488DG6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,879,919:45:0	
4065	1	25	01:19:56.533	488DG6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,879,951:48:0	
4066	1	25	02:38:34.533	488DH6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,880,029:27:0	
4067	1	25	02:40:11.200	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	2O0	4	0	5,880,030:81:0	
4068	1	25	02:40:11.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	2O0	4	0	5,880,030:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4069	1	25	02:40:11.200		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	2O0	4	0	5,880,030:81:0	
4070	1	25	02:40:12.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	2O0	4	0	5,880,030:83:1	
4071	1	25	02:40:17.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	2O0	4	0	5,880,031:00:0	
4072	1	25	02:40:19.066		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	2O0	4	0	5,880,031:01:8	
4073	1	25	02:40:20.466		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	2O0	4	0	5,880,031:03:9	
4074	1	25	02:44:09.200	488DH6B	6TMSED	FILL,AH6	Sci, Eng, and D/L Chan	2O0	4	0	5,880,034:74:0	
4075	1	25	02:44:21.133		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	5,880,035:00:9	
4076	1	25	02:44:22.333		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	5,880,035:02:7	
4077	1	25	02:44:22.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	5,880,035:02:7	
4078	1	25	02:44:23.733		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	5,880,035:04:8	
4079	1	25	02:44:35.733		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	5,880,035:22:8	
4080	1	25	02:44:36.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	5,880,035:24:6	
4081	1	25	02:50:13.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,880,040:75:0	
4082	1	25	02:50:13.866	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,880,040:75:0	
4083	1	25	02:50:20.533		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,880,040:85:0	
4084	1	25	02:50:24.400		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	2O0	4	0	5,880,040:90:8	
4085	1	25	02:50:24.400		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	2O0	4	0	5,880,040:90:8	
4086	1	25	03:05:24.533	488DH6C	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2O0	4	0	5,880,055:76:0	
4087	1	25	03:22:07.866		DMS:	**: *RUNDOWN**	P100, TRACK 1, FWD, TIC *6063.01 +/-	2O0	4	0	5,880,072:34:0	
4088	1	25	03:22:07.866	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	2O0	4	0	5,880,072:34:0	
4089	1	25	03:22:09.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	2O0	4	0	5,880,072:35:8	
4090	1	25	03:37:43.866		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	2O0	4	0	5,880,087:73:0	
4091	1	25	03:37:43.866	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,880,087:73:0	
4092	1	25	03:37:45.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	2O0	4	0	5,880,087:75:1	
4093	1	25	03:37:50.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	2O0	4	0	5,880,087:83:0	
4094	1	25	03:37:51.733		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	2O0	4	0	5,880,087:84:8	
4095	1	25	03:37:55.600		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	2O0	4	0	5,880,087:90:6	
4096	1	25	03:37:55.600		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	2O0	4	0	5,880,087:90:6	
4097	1	25	04:09:51.866		DMS:	**: *RUNDOWN**	P100, TRACK 2, REV, TIC * 164.96 +/-	2O0	4	0	5,880,119:53:0	
4098	1	25	04:09:51.866	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,880,119:53:0	
4099	1	25	04:09:53.066		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	2O0	4	0	5,880,119:54:8	
4100	1	25	04:09:56.933		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	2O0	4	0	5,880,119:60:6	
4101	1	25	04:09:56.933		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	2O0	4	0	5,880,119:60:6	
4102	1	25	04:41:52.533	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	5,880,151:22:0	
4103	1	25	04:41:52.533		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC *6062.38 +/-	2O0	4	0	5,880,151:22:0	
4104	1	25	04:41:53.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	2O0	4	0	5,880,151:23:8	
4105	1	25	04:56:35.866		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	2O0	4	0	5,880,165:73:0	
4106	1	25	04:56:35.866	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,880,165:73:0	
4107	1	25	04:56:37.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	2O0	4	0	5,880,165:75:1	
4108	1	25	04:56:42.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	2O0	4	0	5,880,165:83:0	
4109	1	25	04:56:43.733		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	2O0	4	0	5,880,165:84:8	
4110	1	25	04:56:47.600		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	2O0	4	0	5,880,165:90:6	
4111	1	25	04:56:47.600		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	2O0	4	0	5,880,165:90:6	
4112	1	25	05:28:43.200	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,880,197:52:0	
4113	1	25	05:28:43.200		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 166.38 +/-	2O0	4	0	5,880,197:52:0	
4114	1	25	05:28:44.400		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	2O0	4	0	5,880,197:53:8	
4115	1	25	05:28:48.266		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	2O0	4	0	5,880,197:59:6	
4116	1	25	05:28:48.266		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	2O0	4	0	5,880,197:59:6	
4117	1	25	05:29:49.200	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	5,880,198:60:0	
4118	1	25	05:29:49.200		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC * 358.52 +/-	2O0	4	0	5,880,198:60:0	
4119	1	25	05:29:50.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	2O0	4	0	5,880,198:61:8	
4120	1	25	05:30:59.200	488DH6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,880,199:74:0	
4121	1	25	05:44:19.200	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,880,213:00:0	
4122	1	25	05:44:19.200		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	2O0	4	0	5,880,213:00:0	
4123	1	25	05:45:13.200	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	2O0	4	0	5,880,213:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4124	1	25	05:45:13.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	2O0	4	0	5,880,213:81:0	
4125	1	25	05:45:13.200		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	2O0	4	0	5,880,213:81:0	
4126	1	25	05:45:14.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	2O0	4	0	5,880,213:83:1	
4127	1	25	05:45:19.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	2O0	4	0	5,880,214:00:0	
4128	1	25	05:45:21.066		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	2O0	4	0	5,880,214:01:8	
4129	1	25	05:45:22.466		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	2O0	4	0	5,880,214:03:9	
4130	1	25	05:56:48.266		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	5,880,225:31:6	
4131	1	25	05:56:49.466		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	5,880,225:33:4	
4132	1	25	05:56:49.466		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	5,880,225:33:4	
4133	1	25	05:56:50.866		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	5,880,225:35:5	
4134	1	25	05:57:02.866		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	5,880,225:53:5	
4135	1	25	05:57:04.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	5,880,225:55:3	
4136	1	25	07:00:53.200	488DH6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,880,288:66:0	
4137	1	25	08:30:29.200	488DI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,880,377:31:0	
4138	1	25	08:38:54.533	488DI6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,880,385:61:0	
4139	1	25	08:47:33.200	488DI6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,880,394:20:0	
4140	1	25	13:13:15.200		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,880,657:00:0	
4141	1	25	13:13:15.200		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,880,657:00:0	
4142	1	25	13:13:15.200	465KH6A	6DMST	637	DMS Slew to TIC	2O0	4	0	5,880,657:00:0	
4143	1	25	13:13:15.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,880,657:00:0	
4144	1	25	13:13:21.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,880,657:10:0	
4145	1	25	13:13:23.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	2O0	4	0	5,880,657:12:1	
4146	1	25	13:44:08.666		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC * 634.94 +/-	2O0	4	0	5,880,687:50:2	
4147	1	25	13:44:09.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 635.00 +/-	2O0	4	0	5,880,687:52:0	
4148	1	25	13:49:13.200		DMS:	: *SLEW-TIC	P7, TRACK *2, *REV, TIC 635.00 +/-	2O0	4	0	5,880,692:52:0	
4149	1	25	13:49:13.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 635.00 +/-	2O0	4	0	5,880,692:52:0	
4150	1	25	13:49:14.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 635.12 +/-	2O0	4	0	5,880,692:54:1	
4151	1	25	13:49:19.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 636.35 +/-	2O0	4	0	5,880,692:62:0	
4152	1	25	13:49:21.066		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC * 636.41 +/-	2O0	4	0	5,880,692:63:8	
4153	1	25	13:49:22.466		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC * 636.29 +/-	2O0	4	0	5,880,692:65:9	
4154	1	25	13:52:51.333		DMS:	**: *RUNDOWN**	P7, TRACK 2, REV, TIC * 587.06 +/-	2O0	4	0	5,880,696:15:2	
4155	1	25	13:52:52.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 587.00 +/-	2O0	4	0	5,880,696:17:0	
4156	1	25	14:04:49.200	465KI6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,880,708:00:0	
4157	1	25	14:04:49.200		DMS:	: READY	RDY, TRACK *4, REV, TIC 587.00 +/-	2O0	4	0	5,880,708:00:0	
4158	1	25	15:45:55.866	411JS6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,880,808:00:0	
4159	1	25	15:45:55.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 587.00 +/-	2O0	4	0	5,880,808:00:0	
4160	1	25	15:45:57.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 587.12 +/-	2O0	4	0	5,880,808:02:1	
4161	1	25	15:46:02.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 588.35 +/-	2O0	4	0	5,880,808:10:0	
4162	1	25	15:46:03.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 588.41 +/-	2O0	4	0	5,880,808:11:8	
4163	1	25	15:46:05.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 588.29 +/-	2O0	4	0	5,880,808:13:9	
4164	1	25	15:46:05.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 588.29 +/-	2O0	4	0	5,880,808:13:9	
4165	1	25	15:46:05.866	411JS6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,880,808:15:0	
4166	1	25	15:48:07.200	411JS6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,880,810:15:0	
4167	1	25	15:48:09.866	175TT176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,880,810:19:0	
4168	1	25	15:48:10.533	175TT422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,880,810:20:0	
4169	1	25	15:48:17.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 557.34 +/-	2O0	4	0	5,880,810:30:0	
4170	1	25	15:48:17.200	175TT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,880,810:30:0	
4171	1	25	15:48:18.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 557.28 +/-	2O0	4	0	5,880,810:31:8	
4172	1	25	16:54:51.200	488DJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,880,876:15:0	
4173	1	26	00:11:17.200	488DK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,881,307:73:0	
4174	1	26	00:34:45.200	488DK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,881,331:01:0	
4175	1	26	08:00:37.133	488DL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,881,771:89:0	
4176	1	26	08:41:06.466	488DL6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,881,812:02:0	
4177	1	26	08:45:25.133	488DL6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,881,816:26:0	
4178	1	26	12:57:25.133	488DL6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,882,065:47:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
4179	1	26	13:33:25.133	488DL6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,882,101:11:0
4180	1	26	14:12:22.466	488DM6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,882,139:59:0
4181	1	26	14:41:28.466	488DM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,882,168:39:0
4182	1	26	16:32:37.133	488DM6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,882,278:32:0
4183	1	26	21:35:33.133	488DN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,882,577:87:0
4184	1	27	00:39:37.800	488DN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,882,760:01:0
4185	1	27	00:41:09.133	488DN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,882,761:47:0
4186	1	27	00:49:41.133	488DN6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,882,769:87:0
4187	1	27	01:04:41.133	488DN6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,882,784:72:0
4188	1	27	01:28:49.800	488DO6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,882,808:61:0
4189	1	27	01:55:39.133	488DO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,882,835:18:0
4190	1	27	07:54:13.133	488DP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,883,189:75:0
4191	1	27	08:21:17.133	488DP6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,883,216:54:0
4192	1	27	08:26:13.133	488DP6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,883,221:43:0
4193	1	27	12:57:17.133	488DP6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,883,489:51:0
4194	1	27	13:07:49.133	488DP6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,883,499:89:0
4195	1	27	14:07:33.066	488DQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,883,559:05:0
4196	1	28	00:00:37.066	488DR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,884,145:55:0
4197	1	28	01:00:21.066	488DR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,884,204:62:0
4198	1	28	07:49:57.066	488DS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,884,609:71:0
4199	1	28	08:31:18.400	488DS6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,884,650:62:0
4200	1	28	08:36:53.066	488DS6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,884,656:18:0
4201	1	28	15:38:19.066	411JT6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,885,073:00:0
4202	1	28	15:38:19.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 557.28 +/-	2O0	4	0	5,885,073:00:0
4203	1	28	15:38:20.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 557.40 +/-	2O0	4	0	5,885,073:02:1
4204	1	28	15:38:25.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 558.64 +/-	2O0	4	0	5,885,073:10:0
4205	1	28	15:38:26.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 558.70 +/-	2O0	4	0	5,885,073:11:8
4206	1	28	15:38:28.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 558.58 +/-	2O0	4	0	5,885,073:13:9
4207	1	28	15:38:28.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 558.58 +/-	2O0	4	0	5,885,073:13:9
4208	1	28	15:38:29.066	411JT6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,885,073:15:0
4209	1	28	15:40:30.400	411JT6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,885,075:15:0
4210	1	28	15:40:33.066	175TU176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,885,075:19:0
4211	1	28	15:40:33.733	175TU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,885,075:20:0
4212	1	28	15:40:40.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 527.62 +/-	2O0	4	0	5,885,075:30:0
4213	1	28	15:40:40.400	175TU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,885,075:30:0
4214	1	28	15:40:41.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 527.56 +/-	2O0	4	0	5,885,075:31:8
4215	1	28	15:54:28.400	488DT6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,885,088:89:0
4216	1	28	20:29:25.066	488DT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,885,360:82:0
4217	1	28	21:07:49.066	488DT6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,885,398:80:0
4218	1	29	04:22:15.666	488DU6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,885,828:50:0
4219	1	29	04:25:09.000	488DU6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,885,831:37:0
4220	1	29	11:29:24.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 527.56 +/-	2O0	4	0	5,886,251:00:0
4221	1	29	11:29:24.333	411JU6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,886,251:00:0
4222	1	29	11:29:25.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 527.68 +/-	2O0	4	0	5,886,251:02:1
4223	1	29	11:29:31.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 528.92 +/-	2O0	4	0	5,886,251:10:0
4224	1	29	11:29:32.200		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 528.98 +/-	2O0	4	0	5,886,251:11:8
4225	1	29	11:29:33.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 528.86 +/-	2O0	4	0	5,886,251:13:9
4226	1	29	11:29:33.600		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 528.86 +/-	2O0	4	0	5,886,251:13:9
4227	1	29	11:29:34.333	411JU6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,886,251:15:0
4228	1	29	11:31:35.666	411JU6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,886,253:15:0
4229	1	29	11:31:38.333	175TV176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,886,253:19:0
4230	1	29	11:31:39.000	175TV422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,886,253:20:0
4231	1	29	11:31:45.666	175TV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,886,253:30:0
4232	1	29	11:31:45.666		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 497.90 +/-	2O0	4	0	5,886,253:30:0
4233	1	29	11:31:46.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 497.84 +/-	2O0	4	0	5,886,253:31:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
4234	1	29	17:50:13.666	488DV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,886,627:58:0
4235	1	29	18:27:49.000	488DV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,886,664:74:0
4236	1	29	19:08:33.000	488DV6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,886,705:09:0
4237	1	29	19:10:29.000	488DV6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,886,707:01:0
4238	1	29	19:36:53.666	488DV6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,886,733:12:0
4239	1	29	21:02:00.333	20US4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,886,817:28:0
4240	1	29	21:03:00.333	20US4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2O0	4	0	5,886,818:27:0
4241	1	29	21:05:00.333	20US4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	5,886,820:25:0
4242	1	29	21:10:30.333	20US4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	5,886,825:65:0
4243	1	29	21:10:31.000	20US4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	5,886,825:66:0
4244	1	29	21:10:51.000	20US4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	5,886,826:05:0
4245	1	29	21:10:51.666	20US4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	5,886,826:06:0
4246	1	29	21:11:11.666	20US4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,886,826:36:0
4247	1	29	21:11:12.333	20US4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,886,826:37:0
4248	1	29	21:11:22.333	20US4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,886,826:52:0
4249	1	29	21:11:23.000	20US4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,886,826:53:0
4250	1	29	21:11:33.000	20US4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	5,886,826:68:0
4251	1	29	21:11:33.666	20US4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	5,886,826:69:0
4252	1	29	21:13:20.333	20US4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	5,886,828:47:0
4253	1	29	21:13:21.000	20US4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	5,886,828:48:0
4254	1	29	21:13:41.000	20US4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	5,886,828:78:0
4255	1	29	21:13:41.666	20US4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	5,886,828:79:0
4256	1	29	21:14:01.666	20US4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,886,829:18:0
4257	1	29	21:14:02.333	20US4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,886,829:19:0
4258	1	29	21:14:12.333	20US4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,886,829:34:0
4259	1	29	21:14:13.000	20US4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,886,829:35:0
4260	1	29	21:14:23.000	20US4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	5,886,829:50:0
4261	1	29	21:14:23.666	20US4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	5,886,829:51:0
4262	1	29	21:15:20.333	20US4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,886,830:45:0
4263	1	29	21:34:59.666	432OM431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	5,886,849:85:0
4264	1	29	21:35:00.333	432OM6A	6RTSL1		R/T Select of DDS and	2O0	4	0	5,886,849:86:0
4265	1	29	21:40:04.333	20UD4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,886,854:87:0
4266	1	29	21:40:54.333	20UD4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,886,855:71:0
4267	1	30	00:19:49.000	488DW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,887,012:86:0
4268	1	30	00:53:57.000	488DW6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,887,046:64:0
4269	1	30	01:19:12.333	488DW6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,887,071:62:0
4270	1	30	01:46:02.333	488DW6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,887,098:20:0
4271	1	30	07:39:17.000	488DX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,887,447:53:0
4272	1	30	08:23:39.000	488DX6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,887,491:42:0
4273	1	30	08:24:05.000	488DX6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,887,491:81:0
4274	1	30	08:32:37.000	488DX6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,887,500:30:0
4275	1	30	15:30:52.933	411JV6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,887,914:00:0
4276	1	30	15:30:52.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 497.84 +/-	2O0	4	0	5,887,914:00:0
4277	1	30	15:30:54.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 497.96 +/-	2O0	4	0	5,887,914:02:1
4278	1	30	15:30:59.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 499.20 +/-	2O0	4	0	5,887,914:10:0
4279	1	30	15:31:00.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 499.26 +/-	2O0	4	0	5,887,914:11:8
4280	1	30	15:31:02.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 499.14 +/-	2O0	4	0	5,887,914:13:9
4281	1	30	15:31:02.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 499.14 +/-	2O0	4	0	5,887,914:13:9
4282	1	30	15:31:02.933	411JV6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,887,914:15:0
4283	1	30	15:33:04.266	411JV6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,887,916:15:0
4284	1	30	15:33:06.933	175TW176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,887,916:19:0
4285	1	30	15:33:07.600	175TW422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,887,916:20:0
4286	1	30	15:33:14.266	175TW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,887,916:30:0
4287	1	30	15:33:14.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 468.18 +/-	2O0	4	0	5,887,916:30:0
4288	1	30	15:33:15.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 468.13 +/-	2O0	4	0	5,887,916:31:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4289	1	30	19:29:12.266	488DY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,888,149:64:0	
4290	1	30	23:39:16.933	488DY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,888,397:03:0	
4291	1	31	00:24:04.933	488DY6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,888,441:31:0	
4292	1	31	01:44:20.933	488DZ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,888,520:66:0	
4293	1	31	02:11:10.266	488DZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,888,547:23:0	
4294	1	31	06:05:24.933	488DZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,888,778:84:0	
4295	1	31	07:54:12.933	488EA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,888,886:48:0	
4296	1	31	08:18:08.266	488EA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,888,910:17:0	
4297	1	31	08:28:20.933	488EA6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,888,920:26:0	
4298	1	31	15:25:38.933	411JW6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,889,333:00:0	
4299	1	31	15:25:38.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 468.13 +/-	2O0	4	0	5,889,333:00:0	
4300	1	31	15:25:40.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 468.24 +/-	2O0	4	0	5,889,333:02:1	
4301	1	31	15:25:45.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 469.48 +/-	2O0	4	0	5,889,333:10:0	
4302	1	31	15:25:46.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 469.54 +/-	2O0	4	0	5,889,333:11:8	
4303	1	31	15:25:48.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 469.42 +/-	2O0	4	0	5,889,333:13:9	
4304	1	31	15:25:48.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 469.42 +/-	2O0	4	0	5,889,333:13:9	
4305	1	31	15:25:48.933	411JW6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,889,333:15:0	
4306	1	31	15:27:50.266	411JW6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,889,335:15:0	
4307	1	31	15:27:52.933	175TX176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,889,335:19:0	
4308	1	31	15:27:53.600	175TX422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,889,335:20:0	
4309	1	31	15:28:00.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 438.47 +/-	2O0	4	0	5,889,335:30:0	
4310	1	31	15:28:00.266	175TX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,889,335:30:0	
4311	1	31	15:28:01.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 438.41 +/-	2O0	4	0	5,889,335:31:8	
4312	1	31	16:54:04.933	488EB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,889,420:42:0	
4313	1	31	23:28:36.866	488EC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,889,810:60:0	
4314	1	32	00:39:00.866	488EC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,889,880:26:0	
4315	1	32	00:48:03.533	488EC6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,889,889:21:0	
4316	1	32	00:58:12.866	488EC6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,889,899:25:0	
4317	1	32	01:59:02.200	488EC6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,889,959:39:0	
4318	1	32	07:28:36.866	488ED6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,890,285:35:0	
4319	1	32	08:10:46.200	488ED6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,890,327:07:0	
4320	1	32	08:17:40.866	488ED6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,890,333:83:0	
4321	1	32	15:18:23.533	411JX6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,890,750:00:0	
4322	1	32	15:18:23.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 438.41 +/-	2O0	4	0	5,890,750:00:0	
4323	1	32	15:18:24.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 438.53 +/-	2O0	4	0	5,890,750:02:1	
4324	1	32	15:18:30.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 439.76 +/-	2O0	4	0	5,890,750:10:0	
4325	1	32	15:18:31.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 439.82 +/-	2O0	4	0	5,890,750:11:8	
4326	1	32	15:18:32.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 439.70 +/-	2O0	4	0	5,890,750:13:9	
4327	1	32	15:18:32.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 439.70 +/-	2O0	4	0	5,890,750:13:9	
4328	1	32	15:18:33.533	411JX6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,890,750:15:0	
4329	1	32	15:20:34.866	411JX6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,890,752:15:0	
4330	1	32	15:20:37.533	175TY176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,890,752:19:0	
4331	1	32	15:20:38.200	175TY422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,890,752:20:0	
4332	1	32	15:20:44.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 408.75 +/-	2O0	4	0	5,890,752:30:0	
4333	1	32	15:20:44.866	175TY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,890,752:30:0	
4334	1	32	15:20:46.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 408.69 +/-	2O0	4	0	5,890,752:31:8	
4335	1	32	16:53:57.533	488EE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,890,844:47:0	
4336	1	32	23:24:20.866	488EF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,891,230:56:0	
4337	1	33	00:32:36.866	488EF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,891,298:12:0	
4338	1	33	00:41:08.866	488EF6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,891,306:52:0	
4339	1	33	07:24:20.800	488EG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,891,705:31:0	
4340	1	33	08:08:24.800	488EG6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,891,748:84:0	
4341	1	33	08:09:08.800	488EG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,891,749:59:0	
4342	1	33	08:17:40.800	488EG6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,891,758:08:0	
4343	1	33	15:15:10.800	411JY6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,892,171:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
4344	1	33	15:15:10.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 408.69 +/-	2O0	4	0	5,892,171:00:0
4345	1	33	15:15:12.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 408.81 +/-	2O0	4	0	5,892,171:02:1
4346	1	33	15:15:17.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 410.04 +/-	2O0	4	0	5,892,171:10:0
4347	1	33	15:15:18.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 410.10 +/-	2O0	4	0	5,892,171:11:8
4348	1	33	15:15:20.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 409.98 +/-	2O0	4	0	5,892,171:13:9
4349	1	33	15:15:20.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 409.98 +/-	2O0	4	0	5,892,171:13:9
4350	1	33	15:15:20.800	411JY6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,892,171:15:0
4351	1	33	15:17:22.133	411JY6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,892,173:15:0
4352	1	33	15:17:24.800	175TZ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,892,173:19:0
4353	1	33	15:17:25.466	175TZ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,892,173:20:0
4354	1	33	15:17:32.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 379.03 +/-	2O0	4	0	5,892,173:30:0
4355	1	33	15:17:32.133	175TZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,892,173:30:0
4356	1	33	15:17:33.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 378.97 +/-	2O0	4	0	5,892,173:31:8
4357	1	33	16:59:42.800	488EH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,892,274:35:0
4358	1	33	18:18:18.800	488EH6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,892,352:11:0
4359	1	33	18:47:24.800	488EH6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,892,380:82:0
4360	1	33	23:54:12.800	488EI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,892,684:30:0
4361	1	34	00:24:04.800	488EI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,892,713:79:0
4362	1	34	01:04:43.466	488EI6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,892,754:06:0
4363	1	34	01:31:33.466	488EI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,892,780:55:0
4364	1	34	07:13:40.800	488EJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,893,118:88:0
4365	1	34	08:04:52.800	488EJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,893,169:55:0
4366	1	34	08:07:45.466	488EJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,893,172:41:0
4367	1	34	08:17:40.800	488EJ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,893,182:24:0
4368	1	34	12:49:35.466	488EJ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,893,451:17:0
4369	1	34	13:56:52.800	488EK6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,893,517:67:0
4370	1	34	20:36:49.400	488EL6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,893,913:26:0
4371	1	34	23:23:39.400	488EL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,894,078:26:0
4372	1	35	00:44:51.400	488EL6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,894,158:54:0
4373	1	35	01:11:41.400	488EL6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,894,185:12:0
4374	1	35	05:24:52.733	488EM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,894,435:49:0
4375	1	35	07:33:31.400	488EM6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,894,562:70:0
4376	1	35	07:35:00.733	488EM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,894,564:22:0
4377	1	35	07:43:32.733	488EM6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,894,572:62:0
4378	1	35	14:42:28.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 378.97 +/-	2O0	4	0	5,894,987:00:0
4379	1	35	14:42:28.066	411JZ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,894,987:00:0
4380	1	35	14:42:29.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 379.09 +/-	2O0	4	0	5,894,987:02:1
4381	1	35	14:42:34.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 380.32 +/-	2O0	4	0	5,894,987:10:0
4382	1	35	14:42:35.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 380.38 +/-	2O0	4	0	5,894,987:11:8
4383	1	35	14:42:37.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 380.26 +/-	2O0	4	0	5,894,987:13:9
4384	1	35	14:42:37.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 380.26 +/-	2O0	4	0	5,894,987:13:9
4385	1	35	14:42:38.066	411JZ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,894,987:15:0
4386	1	35	14:44:39.400	411JZ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,894,989:15:0
4387	1	35	14:44:42.066	175UA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,894,989:19:0
4388	1	35	14:44:42.733	175UA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,894,989:20:0
4389	1	35	14:44:49.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 349.31 +/-	2O0	4	0	5,894,989:30:0
4390	1	35	14:44:49.400	175UA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,894,989:30:0
4391	1	35	14:44:50.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 349.25 +/-	2O0	4	0	5,894,989:31:8
4392	1	35	15:49:26.733	488EN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,895,053:22:0
4393	1	35	17:08:33.400	488EN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,895,131:44:0
4394	1	35	17:37:39.400	488EN6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,895,160:24:0
4395	1	35	23:43:32.733	488EO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,895,522:12:0
4396	1	36	00:34:44.733	488EO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,895,572:70:0
4397	1	36	00:54:59.400	488EO6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,895,592:72:0
4398	1	36	01:21:49.400	488EO6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,895,619:30:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4399	1	36	05:06:31.333	488EO6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,895,841:51:0	
4400	1	36	05:09:56.666	488EP6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,895,844:86:0	
4401	1	36	12:12:37.333	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	5,896,262:89:0	
4402	1	36	12:13:39.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 349.25 +/-	2O0	4	0	5,896,264:00:0	
4403	1	36	12:13:39.333	411KA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,896,264:00:0	
4404	1	36	12:13:40.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 349.37 +/-	2O0	4	0	5,896,264:02:1	
4405	1	36	12:13:46.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 350.60 +/-	2O0	4	0	5,896,264:10:0	
4406	1	36	12:13:47.200		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 350.66 +/-	2O0	4	0	5,896,264:11:8	
4407	1	36	12:13:48.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 350.54 +/-	2O0	4	0	5,896,264:13:9	
4408	1	36	12:13:48.600		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 350.54 +/-	2O0	4	0	5,896,264:13:9	
4409	1	36	12:13:49.333	411KA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	5,896,264:15:0	
4410	1	36	12:15:49.333	20YC6A	6HICON			2O0	4	0	5,896,266:13:0	
4411	1	36	12:15:50.666	411KA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,896,266:15:0	
4412	1	36	12:15:51.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 321.78 +/-	2O0	4	0	5,896,266:16:0	
4413	1	36	12:15:51.333	411KA6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,896,266:16:0	
4414	1	36	12:15:52.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 321.72 +/-	2O0	4	0	5,896,266:17:8	
4415	1	36	12:16:41.333	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2O0	4	0	5,896,267:00:0	
4416	1	36	17:34:18.666	488EQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,896,581:12:0	
4417	1	36	18:53:42.666	488EQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,896,659:60:0	
4418	1	36	19:22:48.666	488EQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,896,688:40:0	
4419	1	36	19:54:42.000	432JB6B	6RTDS2	NIMDSL,AACDSL,RT	NIMS R/T DESELECTAACS DESELECT	2O0	4	0	5,896,719:89:0	
4420	**1**	**36**	**20:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**5,896,725:20:0**	
4421	1	36	20:00:00.000		DMS:	: READY	RDY, TRACK 4, REV, TIC 321.72 +/-	2O0	4	0	5,896,725:20:0	
4422	**1**	**36**	**20:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**5,896,725:20:0**	
4423	**1**	**36**	**20:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,896,725:20:0**	
4424	**1**	**36**	**20:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,896,725:20:0**	
4425	**1**	**36**	**20:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**5,896,725:20:0**	
4426	**1**	**36**	**20:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,896,725:20:0**	
4427	**1**	**36**	**20:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**5,896,725:20:0**	
4428	**1**	**36**	**20:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,896,725:20:0**	
4429	**1**	**36**	**20:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,896,725:20:0**	

Sequence: G29B-AR **Created: 6/6/01** **Begin: 01-036/20:00:00 Finish: 01-083/12:00:00**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	1	36	20:00:00.000		DMS:	: READY	RDY, TRACK 4, REV, TIC 321.72 +/-	2O0	4	0	5,896,725:20:0
2	**1**	**36**	**20:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**5,896,725:20:0**
3	**1**	**36**	**20:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**5,896,725:20:0**
4	**1**	**36**	**20:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,896,725:20:0**
5	**1**	**36**	**20:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**5,896,725:20:0**
6	**1**	**36**	**20:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,896,725:20:0**
7	**1**	**36**	**20:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,896,725:20:0**
8	**1**	**36**	**20:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,896,725:20:0**
9	**1**	**36**	**20:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,896,725:20:0**
10	**1**	**36**	**20:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**5,896,725:20:0**
11	1	36	20:01:40.666	488AA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,896,726:80:0
12	1	36	20:01:47.333	432MA431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	5,896,726:90:0
13	1	36	20:01:48.000	432MA6A	6RTSL1		R/T Select of DDS and	2O0	4	0	5,896,727:00:0
14	1	36	20:18:04.000	20SG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,896,743:08:0
15	1	36	20:18:54.000	20SG4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,896,743:83:0
16	1	36	20:20:00.000	176SA6A	6TMREC	**IPB**	INITIATE PLAYBACK (PB CONTROL) Record Mod	2O0	4	0	5,896,745:00:0
17	1	36	21:55:10.666	488AA6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,896,839:12:0
18	1	36	22:01:08.666	488AA6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,896,845:03:0
19	1	37	02:13:22.000	488AB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,897,094:44:0
20	1	37	06:58:44.666	488AB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,897,376:66:0
21	1	37	07:35:07.333	488AB6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,897,412:64:0
22	1	37	07:41:24.666	488AB6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,897,418:84:0
23	1	37	18:58:15.933	488AC6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,898,088:31:0
24	1	37	22:48:04.600	488AC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,898,315:57:0
25	1	38	00:13:24.600	488AC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,898,400:02:0
26	1	38	00:32:36.600	488AC6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,898,419:01:0
27	1	38	06:54:28.600	488AD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,898,796:62:0
28	1	38	07:47:48.600	488AD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,898,849:39:0
29	1	38	07:52:13.266	488AD6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,898,853:72:0
30	1	38	08:00:36.600	488AD6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,898,862:08:0
31	1	38	16:23:09.266	488AE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,899,359:10:0
32	1	38	22:43:48.533	488AF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,899,735:53:0
33	1	39	00:09:08.533	488AF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,899,819:89:0
34	1	39	00:22:07.200	488AF6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,899,832:74:0
35	1	39	00:30:28.533	488AF6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,899,841:07:0
36	1	39	01:38:06.533	488AF6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,899,907:88:0
37	1	39	03:00:24.533	488AG6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,899,989:33:0
38	1	39	03:27:14.533	488AG6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,900,015:82:0
39	1	39	04:29:24.533	488AG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,900,077:35:0
40	1	39	07:13:40.533	488AG6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,900,239:77:0
41	1	39	07:52:04.533	488AG6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,900,277:75:0
42	1	39	08:00:36.533	488AH6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,900,286:24:0
43	1	39	17:38:00.533	488AI6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,900,857:29:0
44	1	39	22:33:08.533	488AI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,901,149:19:0
45	1	40	00:00:36.533	488AJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,901,235:65:0
46	1	40	00:09:08.533	488AJ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,901,244:14:0
47	1	40	06:43:48.533	488AK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,901,634:44:0
48	1	40	07:24:16.533	488AK6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,901,674:46:0
49	1	40	07:28:36.533	488AK6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,901,678:72:0
50	1	40	12:20:34.466	488AK6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,901,967:50:0
51	1	40	12:31:32.466	488AK6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,901,978:36:0
52	1	40	13:50:28.466	488AL6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,902,056:42:0
53	1	40	22:28:52.466	488AM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,902,569:15:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
54	1	40	22:52:20.466	488AM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,902,592:34:0
55	1	41	06:33:08.466	488AN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,903,048:10:0
56	1	41	07:32:52.466	488AN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,903,107:17:0
57	1	41	07:36:48.466	488AN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,903,111:07:0
58	1	41	07:45:40.466	488AN6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,903,119:77:0
59	1	42	00:12:42.400	488AO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,904,096:03:0
60	1	42	06:28:52.400	488AP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,904,468:06:0
61	1	42	07:28:36.400	488AP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,904,527:13:0
62	1	42	07:36:40.400	488AP6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,904,535:11:0
63	1	42	12:35:18.400	488AQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,904,830:43:0
64	1	42	13:05:40.400	488AQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,904,860:46:0
65	1	42	13:54:29.733	488AQ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,904,908:72:0
66	1	42	14:23:35.733	488AQ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,904,937:52:0
67	1	42	22:58:44.400	488AR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,905,447:05:0
68	1	43	00:06:34.400	488AR6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,905,514:13:0
69	1	43	00:15:32.400	488AR6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,905,523:01:0
70	1	43	02:27:33.066	488AR6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,905,653:52:0
71	1	43	06:22:28.333	488AS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,905,885:83:0
72	1	43	07:22:12.333	488AS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,905,944:90:0
73	1	43	07:31:32.333	488AS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,905,954:20:0
74	1	43	07:41:24.333	488AS6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,905,963:89:0
75	1	43	21:00:00.333	481UD4A	7VECT		Inert vect update UTC	2O0	4	0	5,906,753:73:0
76	1	44	04:07:24.333	488AT6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,907,176:46:0
77	1	44	06:18:12.333	488AT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,907,305:79:0
78	1	44	07:09:10.333	488AT6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,907,356:25:0
79	1	44	07:15:48.333	488AT6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,907,362:76:0
80	1	44	17:27:18.933	488AU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,907,967:57:0
81	1	44	21:56:52.266	488AU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,908,234:20:0
82	1	44	22:49:05.600	488AU6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,908,285:79:0
83	1	45	01:08:10.933	488AV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,908,423:39:0
84	1	45	02:29:50.266	488AV6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,908,504:17:0
85	1	45	02:58:56.933	488AV6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,908,532:89:0
86	1	45	06:37:24.266	488AV6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,908,749:03:0
87	1	45	07:26:16.266	488AW6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,908,797:33:0
88	1	45	07:35:00.266	488AW6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,908,806:00:0
89	1	45	18:52:10.933	488AX6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,909,475:67:0
90	1	45	21:48:20.266	488AX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,909,649:87:0
91	1	45	23:32:52.266	488AX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,909,753:31:0
92	1	45	23:46:10.200	488AX6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,909,766:45:0
93	1	45	23:56:20.200	488AX6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,909,776:50:0
94	1	46	00:22:09.533	488AY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,909,802:08:0
95	1	46	06:03:16.200	488AY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,910,139:41:0
96	1	46	07:07:16.200	488AZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,910,202:68:0
97	1	46	07:16:07.533	488AZ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,910,211:46:0
98	1	46	07:26:28.200	488AZ6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,910,221:67:0
99	1	46	16:22:03.533	488BA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,910,751:40:0
100	1	46	21:41:56.200	488BA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,911,067:73:0
101	1	46	22:53:48.200	488BB6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,911,138:80:0
102	1	46	23:00:52.200	488BB6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,911,145:79:0
103	1	47	00:22:01.533	488BB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,911,226:12:0
104	1	47	05:56:52.200	488BC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,911,557:27:0
105	1	47	06:58:26.200	488BC6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,911,618:17:0
106	1	47	07:03:00.200	488BC6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,911,622:64:0
107	1	47	11:54:37.466	488BC6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,911,911:11:0
108	1	47	13:05:40.133	488BD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,911,981:35:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	1	47	13:15:10.800	488BD6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,911,990:72:0	
110	1	47	13:44:16.800	488BD6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,912,019:52:0	
111	1	47	17:56:28.800	176UW6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,912,269:00:0	
112	1	47	18:02:00.133	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,912,274:42:0	
113	1	47	18:03:00.133	20UQ4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2O0	4	0	5,912,275:41:0	
114	1	47	18:05:00.133	20UQ4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	5,912,277:39:0	
115	1	47	18:10:30.133	20UQ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	5,912,282:79:0	
116	1	47	18:10:30.800	20UQ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	5,912,282:80:0	
117	1	47	18:10:50.800	20UQ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	5,912,283:19:0	
118	1	47	18:10:51.466	20UQ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	5,912,283:20:0	
119	1	47	18:11:11.466	20UQ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,912,283:50:0	
120	1	47	18:11:12.133	20UQ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,912,283:51:0	
121	1	47	18:11:22.133	20UQ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,912,283:66:0	
122	1	47	18:11:22.800	20UQ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,912,283:67:0	
123	1	47	18:11:32.800	20UQ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	5,912,283:82:0	
124	1	47	18:11:33.466	20UQ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	5,912,283:83:0	
125	1	47	18:13:20.133	20UQ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	5,912,285:61:0	
126	1	47	18:13:20.800	20UQ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	5,912,285:62:0	
127	1	47	18:13:40.800	20UQ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	5,912,286:01:0	
128	1	47	18:13:41.466	20UQ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	5,912,286:02:0	
129	1	47	18:14:01.466	20UQ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,912,286:32:0	
130	1	47	18:14:02.133	20UQ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,912,286:33:0	
131	1	47	18:14:12.133	20UQ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,912,286:48:0	
132	1	47	18:14:12.800	20UQ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,912,286:49:0	
133	1	47	18:14:22.800	20UQ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	5,912,286:64:0	
134	1	47	18:14:23.466	20UQ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	5,912,286:65:0	
135	1	47	18:15:20.133	20UQ4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,912,287:59:0	
136	1	47	18:40:04.133	20UW4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,912,312:10:0	
137	1	47	18:40:54.133	20UW4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,912,312:85:0	
138	1	47	18:42:59.466	176UX6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,912,315:00:0	
139	1	47	22:22:28.133	488BE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,912,532:06:0	
140	1	47	23:30:53.466	488BE6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,912,599:67:0	
141	1	47	23:44:33.466	488BE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,912,613:23:0	
142	1	47	23:56:20.133	488BE6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,912,624:82:0	
143	1	48	00:11:37.466	488BE6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,912,640:02:0	
144	1	48	00:38:27.466	488BF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,912,666:51:0	
145	1	48	05:52:36.133	488BF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,912,977:23:0	
146	1	48	06:56:36.133	488BG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,913,040:50:0	
147	1	48	07:15:51.466	488BG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,913,059:54:0	
148	1	48	11:49:28.133	488BG6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,913,330:18:0	
149	1	48	12:05:56.133	488BG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,913,346:44:0	
150	1	48	13:54:44.133	488BH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,913,454:08:0	
151	1	48	21:04:41.400	488BI6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,913,879:29:0	
152	1	48	21:07:48.066	488BI6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,913,882:36:0	
153	1	50	00:32:29.400	488BJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,915,509:01:0	
154	1	50	01:55:31.400	488BJ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,915,591:12:0	
155	1	50	02:24:37.400	488BJ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,915,619:83:0	
156	1	50	06:11:48.000	488BJ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,915,844:54:0	
157	1	50	07:05:34.000	488BK6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,915,897:70:0	
158	1	50	11:39:12.666	488BK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,916,168:37:0	
159	1	50	11:59:32.000	488BK6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,916,188:46:0	
160	1	50	13:59:00.000	488BL6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,916,306:60:0	
161	1	50	21:07:48.000	488BM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,916,730:68:0	
162	1	50	22:23:15.333	488BM6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,916,805:34:0	
163	1	50	22:28:52.000	488BM6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,916,810:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	1	51	00:21:28.000	488BM6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,916,922:26:0	
165	1	51	05:31:16.000	488BN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,917,228:62:0	
166	1	51	06:48:04.000	488BN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,917,304:58:0	
167	1	51	07:00:26.000	488BN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,917,316:79:0	
168	1	51	11:39:04.666	488BO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,917,592:41:0	
169	1	51	11:59:32.000	488BO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,917,612:62:0	
170	1	51	13:59:00.000	488BO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,917,730:76:0	
171	1	51	17:56:46.600	176TA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,917,966:00:0	
172	1	51	18:02:50.600	465VA6A	6DMST	5000	DMS Slew to TIC	2O0	4	0	5,917,972:00:0	
173	1	51	18:02:50.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 321.72 +/-	2O0	4	0	5,917,972:00:0	
174	1	51	18:02:50.600		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 321.72 +/-	2O0	4	0	5,917,972:00:0	
175	1	51	18:02:57.266		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 321.72 +/-	2O0	4	0	5,917,972:10:0	
176	1	51	18:02:58.666		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 321.84 +/-	2O0	4	0	5,917,972:12:1	
177	1	51	20:57:07.933	488BP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,918,144:34:0	
178	1	51	23:02:59.933	488BP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,918,268:78:0	
179	1	51	23:22:11.933	488BP6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,918,287:77:0	
180	1	51	23:35:29.400		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	2O0	4	0	5,918,300:90:2	
181	1	51	23:35:30.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	2O0	4	0	5,918,301:01:0	
182	1	51	23:56:31.933	465VB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,918,321:73:0	
183	1	51	23:56:31.933		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	2O0	4	0	5,918,321:73:0	
184	1	51	23:56:33.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	2O0	4	0	5,918,321:75:1	
185	1	51	23:56:38.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	2O0	4	0	5,918,321:83:0	
186	1	51	23:56:39.800		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	2O0	4	0	5,918,321:84:8	
187	1	51	23:56:43.666		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	2O0	4	0	5,918,321:90:6	
188	1	51	23:56:43.666		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	2O0	4	0	5,918,321:90:6	
189	1	52	00:22:23.933		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	2O0	4	0	5,918,347:35:0	
190	1	52	00:22:23.933	465VB6B	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,918,347:35:0	
191	1	52	00:22:25.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	2O0	4	0	5,918,347:36:8	
192	1	52	02:21:12.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	2O0	4	0	5,918,464:81:0	
193	1	52	02:21:12.600		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	2O0	4	0	5,918,464:81:0	
194	1	52	02:21:12.600	465VC6A	6DTRN	CMD,6DTRN,465VC6	DMS TRACK TURNAROUND	2O0	4	0	5,918,464:81:0	
195	1	52	02:21:14.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	2O0	4	0	5,918,464:83:1	
196	1	52	02:21:19.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	2O0	4	0	5,918,465:00:0	
197	1	52	02:21:20.466		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	2O0	4	0	5,918,465:01:8	
198	1	52	02:21:21.866		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	2O0	4	0	5,918,465:03:9	
199	1	52	02:25:09.266	488BP6D	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2O0	4	0	5,918,468:72:0	
200	1	52	02:25:22.533		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	5,918,469:00:9	
201	1	52	02:25:23.733		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	5,918,469:02:7	
202	1	52	02:25:23.733		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	5,918,469:02:7	
203	1	52	02:25:25.133		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	5,918,469:04:8	
204	1	52	02:25:37.133		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	5,918,469:22:8	
205	1	52	02:25:38.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	5,918,469:24:6	
206	1	52	02:31:15.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,918,474:75:0	
207	1	52	02:31:15.266	465VD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,918,474:75:0	
208	1	52	02:31:21.933		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,918,474:85:0	
209	1	52	02:31:25.800		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	2O0	4	0	5,918,474:90:8	
210	1	52	02:31:25.800		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	2O0	4	0	5,918,474:90:8	
211	1	52	03:03:09.266	465VD6B	6DMSC	RDY,1	DMS Control Tape stop	2O0	4	0	5,918,506:34:0	
212	1	52	03:03:09.266		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	2O0	4	0	5,918,506:34:0	
213	1	52	03:03:10.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	2O0	4	0	5,918,506:35:8	
214	1	52	03:18:45.266	465VE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,918,521:73:0	
215	1	52	03:18:45.266		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	2O0	4	0	5,918,521:73:0	
216	1	52	03:18:46.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	2O0	4	0	5,918,521:75:1	
217	1	52	03:18:51.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	2O0	4	0	5,918,521:83:0	
218	1	52	03:18:53.133		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	2O0	4	0	5,918,521:84:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	1	52	03:18:57.000		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	2O0	4	0	5,918,521:90:6	
220	1	52	03:18:57.000		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	2O0	4	0	5,918,521:90:6	
221	1	52	03:50:53.266	465VF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,918,553:53:0	
222	1	52	03:50:53.266		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	2O0	4	0	5,918,553:53:0	
223	1	52	03:50:54.466		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	2O0	4	0	5,918,553:54:8	
224	1	52	03:50:58.333		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	2O0	4	0	5,918,553:60:6	
225	1	52	03:50:58.333		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	2O0	4	0	5,918,553:60:6	
226	1	52	04:22:53.933		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	2O0	4	0	5,918,585:22:0	
227	1	52	04:22:53.933	465VF6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	5,918,585:22:0	
228	1	52	04:22:55.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	2O0	4	0	5,918,585:23:8	
229	1	52	04:37:37.266	465VG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,918,599:73:0	
230	1	52	04:37:37.266		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	2O0	4	0	5,918,599:73:0	
231	1	52	04:37:38.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	2O0	4	0	5,918,599:75:1	
232	1	52	04:37:43.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	2O0	4	0	5,918,599:83:0	
233	1	52	04:37:45.133		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	2O0	4	0	5,918,599:84:8	
234	1	52	04:37:49.000		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	2O0	4	0	5,918,599:90:6	
235	1	52	04:37:49.000		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	2O0	4	0	5,918,599:90:6	
236	1	52	05:09:44.600	465VH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,918,631:52:0	
237	1	52	05:09:44.600		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	2O0	4	0	5,918,631:52:0	
238	1	52	05:09:45.800		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	2O0	4	0	5,918,631:53:8	
239	1	52	05:09:49.666		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	2O0	4	0	5,918,631:59:6	
240	1	52	05:09:49.666		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	2O0	4	0	5,918,631:59:6	
241	1	52	05:10:50.600	465VH6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	5,918,632:60:0	
242	1	52	05:10:50.600		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	2O0	4	0	5,918,632:60:0	
243	1	52	05:10:51.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	2O0	4	0	5,918,632:61:8	
244	1	52	05:11:59.266	488BQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,918,633:72:0	
245	1	52	05:25:20.600	465VI6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,918,647:00:0	
246	1	52	05:25:20.600		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	2O0	4	0	5,918,647:00:0	
247	1	52	05:26:14.600	465VJ6A	6DTRN	CMD,6DTRN,465VJ6	DMS TRACK TURNAROUND	2O0	4	0	5,918,647:81:0	
248	1	52	05:26:14.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	2O0	4	0	5,918,647:81:0	
249	1	52	05:26:14.600		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	2O0	4	0	5,918,647:81:0	
250	1	52	05:26:16.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	2O0	4	0	5,918,647:83:1	
251	1	52	05:26:21.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	2O0	4	0	5,918,648:00:0	
252	1	52	05:26:22.466		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	2O0	4	0	5,918,648:01:8	
253	1	52	05:26:23.866		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	2O0	4	0	5,918,648:03:9	
254	1	52	05:26:59.933	488BQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,918,648:58:0	
255	1	52	05:37:49.666		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	5,918,659:31:6	
256	1	52	05:37:50.866		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	5,918,659:33:4	
257	1	52	05:37:50.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	5,918,659:33:4	
258	1	52	05:37:52.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	5,918,659:35:5	
259	1	52	05:38:04.266		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	5,918,659:53:5	
260	1	52	05:38:05.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	5,918,659:55:3	
261	1	52	05:53:03.933	20UI4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,918,674:38:0	
262	1	52	05:53:53.933	20UI4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,918,675:22:0	
263	1	52	05:55:40.600	176TB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,918,677:00:0	
264	1	52	06:38:04.600	488BQ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,918,718:85:0	
265	1	52	15:22:07.933	488BR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,919,237:21:0	
266	1	52	16:45:52.600	488BR6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,919,320:05:0	
267	1	52	17:14:58.600	488BR6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,919,348:76:0	
268	1	52	21:46:11.933	488BS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,919,617:07:0	
269	1	52	23:30:11.933	488BS6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,919,719:85:0	
270	1	52	23:39:15.933	488BS6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,919,728:82:0	
271	1	53	12:22:00.533	488BT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,920,483:24:0	
272	1	53	14:09:39.866	488BT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,920,589:67:0	
273	1	53	20:31:31.866	488BU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,920,967:37:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	1	53	22:49:01.866	488BU6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,921,103:36:0	
275	1	53	22:52:19.866	488BU6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,921,106:60:0	
276	1	54	03:14:03.200	488BV6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,921,365:46:0	
277	1	54	03:18:59.866	488BV6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,921,370:36:0	
278	1	54	04:10:11.866	488BV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,921,421:03:0	
279	1	54	10:02:11.866	488BW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,921,769:15:0	
280	1	54	10:55:31.866	488BW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,921,821:83:0	
281	1	54	11:09:48.533	488BW6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,921,836:03:0	
282	1	54	11:12:35.866	488BW6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,921,838:72:0	
283	1	54	11:27:31.866	488BW6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,921,853:51:0	
284	1	55	02:21:47.800	488BX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,922,738:00:0	
285	1	55	03:46:12.466	488BX6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,922,821:44:0	
286	1	55	04:15:18.466	488BX6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,922,850:24:0	
287	1	55	05:41:55.800	488BX6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,922,935:85:0	
288	1	55	06:44:53.133	488BX6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,922,998:18:0	
289	1	55	11:23:31.133	488BY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,923,273:70:0	
290	1	55	11:48:51.800	488BY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,923,298:76:0	
291	1	55	14:13:55.800	488BY6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,923,442:28:0	
292	1	55	20:12:19.800	488BZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,923,796:70:0	
293	1	55	22:37:23.733	488BZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,923,940:22:0	
294	1	55	22:54:27.733	488BZ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,923,957:11:0	
295	1	56	05:01:23.733	488CA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,924,320:02:0	
296	1	56	06:20:03.066	488CA6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,924,397:74:0	
297	1	56	06:20:19.733	488CA6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,924,398:08:0	
298	1	56	11:18:23.733	488CB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,924,692:80:0	
299	1	56	11:48:51.733	488CB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,924,723:01:0	
300	1	56	14:18:11.733	488CB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,924,870:64:0	
301	1	56	19:55:15.733	488CC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,925,204:06:0	
302	1	56	21:01:23.733	488CC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,925,269:43:0	
303	1	57	04:50:43.733	488CD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,925,733:59:0	
304	1	57	06:16:03.733	488CD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,925,818:04:0	
305	1	57	06:19:37.066	488CD6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,925,821:51:0	
306	1	57	06:28:51.733	488CD6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,925,830:64:0	
307	1	57	15:06:26.333	488CE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,926,342:54:0	
308	1	57	16:31:33.666	488CE6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,926,426:71:0	
309	1	57	17:00:39.666	488CE6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,926,455:51:0	
310	1	57	21:05:39.666	488CE6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,926,697:79:0	
311	1	57	22:49:32.333	488CF6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,926,800:55:0	
312	1	57	22:58:43.666	488CF6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,926,809:63:0	
313	1	58	00:20:30.333	488CF6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,926,890:52:0	
314	1	58	04:46:27.666	488CF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,927,153:55:0	
315	1	58	05:20:35.666	488CG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,927,187:33:0	
316	1	58	09:36:35.666	488CG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,927,440:50:0	
317	1	58	10:40:35.666	488CG6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,927,503:77:0	
318	1	58	10:49:27.000	488CG6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,927,512:55:0	
319	1	58	10:59:47.666	488CG6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,927,522:76:0	
320	1	59	00:20:22.266	488CH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,928,314:56:0	
321	1	59	04:40:03.600	488CH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,928,571:41:0	
322	1	59	06:04:48.933	488CH6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,928,655:25:0	
323	1	59	06:05:23.600	488CH6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,928,655:77:0	
324	1	59	06:13:55.600	488CH6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,928,664:26:0	
325	1	59	22:40:14.266	488CI6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,929,639:69:0	
326	1	60	04:31:31.533	488CI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,929,987:17:0	
327	1	60	06:01:07.533	488CJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,930,075:73:0	
328	1	60	06:19:13.533	488CJ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,930,093:64:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	1	60	06:28:51.533	488CJ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,930,103:21:0	
330	1	60	23:20:59.533	488CK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,931,104:22:0	
331	1	61	00:47:01.533	488CK6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,931,189:30:0	
332	1	61	01:16:07.533	488CK6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,931,218:10:0	
333	1	61	05:01:23.533	488CK6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,931,440:82:0	
334	1	61	06:24:05.533	488CL6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,931,522:63:0	
335	1	61	10:57:42.200	488CL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,931,793:27:0	
336	1	61	11:38:11.533	488CL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,931,833:31:0	
337	1	61	15:43:31.466	488CM6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,932,075:89:0	
338	1	61	17:55:47.466	488CM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,932,206:72:0	
339	1	61	22:05:23.466	488CN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,932,453:59:0	
340	1	61	22:50:11.466	488CN6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,932,497:87:0	
341	1	62	04:16:35.466	488CO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,932,820:70:0	
342	1	62	05:54:43.466	488CO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,932,917:75:0	
343	1	62	06:23:56.133	488CO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,932,946:65:0	
344	1	62	11:07:34.133	488CP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,933,227:21:0	
345	1	62	11:33:55.466	488CP6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,933,253:27:0	
346	1	62	22:01:07.466	488CQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,933,873:55:0	
347	1	62	22:48:51.466	488CQ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,933,920:74:0	
348	1	62	22:58:43.466	488CQ6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,933,930:52:0	
349	1	63	01:19:49.400	488CQ6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,934,070:11:0	
350	1	63	04:10:11.400	488CR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,934,238:56:0	
351	1	63	05:46:11.400	488CR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,934,333:51:0	
352	1	63	05:48:49.400	488CR6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,934,336:15:0	
353	1	63	10:52:26.733	488CS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,934,636:41:0	
354	1	63	12:14:35.400	488CS6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,934,717:63:0	
355	1	63	12:48:14.733	488CS6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,934,750:89:0	
356	1	63	13:26:37.400	20MC6A	6MCOPY	HLM1A,E476,B1A1A	HLM1A,E476,B1A1A,50C2,523	2O0	4	0	5,934,788:85:0	
357	1	63	13:27:38.066	20MC6C	6MCOPY	HLM1A,E476,B1A1A	HLM1A,E476,B1A1A,5234,53F	2O0	4	0	5,934,789:85:0	
358	1	63	13:28:38.733	20MC6E	6MCOPY	HLM1A,E476,B1A1A	HLM1A,E476,B1A1A,53F5,572	2O0	4	0	5,934,790:85:0	
359	1	63	13:29:07.400	488CS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,934,791:37:0	
360	1	63	13:29:39.400	20MC6G	6MCOPY	HLM1A,E476,B1A1A	HLM1A,E476,B1A1A,5728,5A9	2O0	4	0	5,934,791:85:0	
361	1	63	13:46:37.400	20XC6A	6MCOPY	HLM1A,F7CC,B1A1A	HLM1A,F7CC,B1A1A,50C2,523	2O0	4	0	5,934,808:65:0	
362	1	63	13:47:38.066	20XC6C	6MCOPY	HLM1A,F7CC,B1A1A	HLM1A,F7CC,B1A1A,5234,53F	2O0	4	0	5,934,809:65:0	
363	1	63	13:48:38.733	20XC6E	6MCOPY	HLM1A,F7CC,B1A1A	HLM1A,F7CC,B1A1A,53F5,572	2O0	4	0	5,934,810:65:0	
364	1	63	13:49:39.400	20XC6G	6MCOPY	HLM1A,F7CC,B1A1A	HLM1A,F7CC,B1A1A,5728,5A9	2O0	4	0	5,934,811:65:0	
365	1	63	19:59:31.400	488CT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,935,177:47:0	
366	1	63	22:43:47.400	488CT6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,935,339:89:0	
367	1	63	22:54:27.400	488CT6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,935,350:48:0	
368	1	63	23:18:47.400	488CT6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,935,374:54:0	
369	1	63	23:45:37.400	488CT6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,935,401:12:0	
370	1	64	03:55:15.400	488CU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,935,648:02:0	
371	1	64	05:39:47.400	488CU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,935,751:37:0	
372	1	64	06:13:40.066	488CU6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,935,784:83:0	
373	1	64	06:22:27.400	488CU6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,935,793:55:0	
374	1	64	15:15:29.333	488CV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,936,320:71:0	
375	1	64	21:46:11.333	488CW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,936,707:17:0	
376	1	64	22:43:35.333	488CW6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,936,763:87:0	
377	1	64	22:52:19.333	488CW6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,936,772:54:0	
378	1	65	00:04:33.333	488CW6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,936,844:03:0	
379	1	65	03:44:35.333	488CW6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,937,061:59:0	
380	1	65	05:35:31.333	488CX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,937,171:33:0	
381	1	65	07:04:49.333	488CX6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,937,259:62:0	
382	1	65	07:38:28.666	488CX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,937,292:88:0	
383	1	65	10:19:15.333	488CX6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,937,451:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
384	1	65	10:21:26.666	488CX6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,937,454:13:0
385	1	65	10:32:03.333	488CY6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,937,464:58:0
386	1	65	14:40:22.666	488CY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,937,710:21:0
387	1	65	21:39:47.266	488CZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,938,125:03:0
388	1	65	22:43:27.266	488CZ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,938,188:00:0
389	1	65	22:52:19.266	488CZ6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,938,196:70:0
390	1	65	23:04:25.933	488CZ6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,938,208:68:0
391	1	66	03:29:39.266	488CZ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,938,471:05:0
392	1	66	05:29:07.266	488DA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,938,589:19:0
393	1	66	06:03:23.933	488DA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,938,623:10:0
394	1	66	06:11:47.266	488DA6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,938,631:37:0
395	1	66	15:20:13.933	488DB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,939,173:75:0
396	1	66	16:52:59.933	488DB6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	5,939,265:52:0
397	1	66	16:56:27.933	176UE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,939,269:00:0
398	1	66	17:23:29.933	20SP4I	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	5,939,295:67:0
399	1	66	17:38:29.933	20SP4K	7SLEW	INIT,POS,17.45	Stator movement	2O0	4	0	5,939,310:52:0
400	1	66	17:50:29.933	20SP4L	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,939,322:40:0
401	1	66	17:57:29.933	20SP4M	7SLEW	INIT,NEG,17.45	Stator movement	2O0	4	0	5,939,329:33:0
402	1	66	18:09:29.933	20SP4N	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,939,341:21:0
403	1	66	18:16:29.933	20SP4O	7SLEW	INIT,POS,4.36	Stator movement	2O0	4	0	5,939,348:14:0
404	1	66	18:28:29.933	20SP4P	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,939,360:02:0
405	1	66	18:35:29.933	20SP4Q	7SLEW	INIT,NEG,4.36	Stator movement	2O0	4	0	5,939,366:86:0
406	1	66	18:47:29.933	20SP4R	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,939,378:74:0
407	1	66	18:59:29.933	20SP4AH	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,939,390:62:0
408	1	66	19:14:59.933	488DB6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,939,406:01:0
409	1	66	19:15:03.933	20UP4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,939,406:07:0
410	1	66	19:15:53.933	20UP4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,939,406:82:0
411	1	66	19:17:00.600	176UF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,939,408:00:0
412	1	66	21:29:07.266	488DC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,939,538:60:0
413	1	66	22:35:15.266	488DC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,939,604:06:0
414	1	67	03:14:43.266	488DC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,939,880:42:0
415	1	67	05:24:51.266	488DD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,940,009:15:0
416	1	67	06:03:15.933	488DD6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,940,047:14:0
417	1	67	06:11:47.266	488DD6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,940,055:53:0
418	1	67	06:34:15.200	488DD6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,940,077:73:0
419	1	67	08:24:03.200	488DD6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,940,186:36:0
420	1	67	09:49:23.200	488DE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,940,270:72:0
421	1	67	10:16:51.200	488DE6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,940,297:87:0
422	1	67	10:19:15.200	488DE6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,940,300:30:0
423	1	67	10:29:55.200	488DE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,940,310:80:0
424	1	67	16:21:52.533	488DF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,940,658:88:0
425	1	67	17:45:08.533	488DF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,940,741:29:0
426	1	67	17:56:57.200	176UM6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,940,753:00:0
427	1	67	18:01:59.866	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,940,757:90:0
428	1	67	18:02:59.866	20UR4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2O0	4	0	5,940,758:89:0
429	1	67	18:04:59.866	20UR4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	5,940,760:87:0
430	1	67	18:10:29.866	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	5,940,766:36:0
431	1	67	18:10:30.533	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	5,940,766:37:0
432	1	67	18:10:50.533	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	5,940,766:67:0
433	1	67	18:10:51.200	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	5,940,766:68:0
434	1	67	18:11:11.200	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,940,767:07:0
435	1	67	18:11:11.866	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,940,767:08:0
436	1	67	18:11:21.866	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,940,767:23:0
437	1	67	18:11:22.533	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,940,767:24:0
438	1	67	18:11:32.533	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	5,940,767:39:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	1	67	18:11:33.200	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	5,940,767:40:0	
440	1	67	18:13:19.866	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	5,940,769:18:0	
441	1	67	18:13:20.533	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	5,940,769:19:0	
442	1	67	18:13:40.533	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	5,940,769:49:0	
443	1	67	18:13:41.200	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	5,940,769:50:0	
444	1	67	18:14:01.200	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,940,769:80:0	
445	1	67	18:14:01.866	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,940,769:81:0	
446	1	67	18:14:11.866	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,940,770:05:0	
447	1	67	18:14:12.533	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,940,770:06:0	
448	1	67	18:14:22.533	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	5,940,770:21:0	
449	1	67	18:14:23.200	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	5,940,770:22:0	
450	1	67	18:15:19.866	20UR4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,940,771:16:0	
451	1	67	18:18:47.200	488DF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,940,774:54:0	
452	1	67	18:40:03.866	20UY4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,940,795:58:0	
453	1	67	18:40:53.866	20UY4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,940,796:42:0	
454	1	67	18:42:27.200	176UZ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,940,798:00:0	
455	1	67	22:24:35.200	488DG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,941,017:63:0	
456	1	67	22:31:06.533	488DG6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,941,024:13:0	
457	1	67	22:41:39.200	488DG6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,941,034:52:0	
458	1	68	14:59:58.533	488DH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,942,002:13:0	
459	1	68	21:14:11.133	488DI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,942,372:22:0	
460	1	68	22:23:03.133	488DI6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,942,440:32:0	
461	1	68	22:33:07.133	488DI6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,942,450:28:0	
462	1	68	23:04:02.466	488DI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,942,480:81:0	
463	1	69	02:29:55.133	488DI6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,942,684:46:0	
464	1	69	04:35:47.800	488DJ6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,942,809:00:0	
465	1	69	04:42:11.133	488DJ6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,942,815:29:0	
466	1	69	06:24:00.466	488DJ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,942,916:02:0	
467	1	69	08:04:51.133	488DJ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,943,015:69:0	
468	1	69	09:38:43.133	488DJ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,943,108:54:0	
469	1	69	10:09:59.800	488DK6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,943,139:48:0	
470	1	69	10:14:59.133	488DK6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,943,144:42:0	
471	1	69	10:29:55.133	488DK6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,943,159:21:0	
472	1	69	17:04:49.800	488DL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,943,549:73:0	
473	1	69	21:03:31.133	488DL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,943,785:79:0	
474	1	69	22:31:47.133	488DL6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,943,873:15:0	
475	1	69	22:35:15.133	488DL6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,943,876:54:0	
476	1	69	22:45:55.133	488DL6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,943,887:13:0	
477	1	69	23:04:47.800	488DM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,943,905:74:0	
478	1	70	00:33:12.466	488DM6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,943,993:23:0	
479	1	70	00:59:59.800	481UC4A	7VECT		Inert vect update UTC	2O0	4	0	5,944,019:68:0	
480	1	70	01:02:18.466	488DM6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,944,022:03:0	
481	1	70	03:14:43.066	488DM6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,944,152:90:0	
482	1	70	05:24:51.066	488DN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,944,281:63:0	
483	1	70	06:59:38.400	488DN6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,944,375:40:0	
484	1	70	07:26:28.400	488DN6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,944,401:89:0	
485	1	70	07:49:55.066	488DN6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,944,425:15:0	
486	1	70	09:34:27.066	488DN6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,944,528:50:0	
487	1	70	10:03:03.066	488DO6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,944,556:76:0	
488	1	70	10:08:35.066	488DO6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	5,944,562:28:0	
489	1	70	10:44:51.066	488DO6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,944,598:16:0	
490	1	70	21:54:40.400	488DP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,945,260:58:0	
491	1	70	23:23:20.400	488DP6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,945,348:30:0	
492	1	70	23:52:26.400	488DP6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,945,377:10:0	
493	1	71	02:53:23.066	488DP6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,945,556:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	1	71	05:22:45.066	488DQ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,945,703:72:0	
495	1	71	05:31:15.066	488DQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,945,712:18:0	
496	1	71	15:14:34.333	488DR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,946,289:10:0	
497	1	71	20:44:19.000	488DR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,946,615:21:0	
498	1	71	21:52:40.333	488DS6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,946,682:76:0	
499	1	71	22:01:07.000	488DS6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,946,691:17:0	
500	1	72	00:19:31.666	488DS6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,946,828:07:0	
501	1	72	04:48:35.000	488DT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,947,094:16:0	
502	1	72	05:18:27.000	488DT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,947,123:65:0	
503	1	72	07:20:03.000	488DT6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,947,243:89:0	
504	1	72	09:19:31.000	488DT6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,947,362:12:0	
505	1	72	09:56:29.666	488DT6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,947,398:64:0	
506	1	72	10:00:03.000	488DU6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,947,402:20:0	
507	1	72	10:10:43.000	488DU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,947,412:70:0	
508	1	72	15:21:13.666	488DU6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,947,719:79:0	
509	1	72	16:45:47.000	488DV6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,947,803:45:0	
510	1	72	17:19:26.333	488DV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,947,836:71:0	
511	1	72	21:48:19.000	488DV6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,948,102:64:0	
512	1	72	22:20:27.666	488DV6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,948,134:45:0	
513	1	72	22:30:58.933	488DV6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,948,144:82:0	
514	1	72	23:04:24.933	488DW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,948,177:88:0	
515	1	73	04:40:02.933	488DW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,948,509:83:0	
516	1	73	05:46:03.600	488DX6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,948,575:18:0	
517	1	73	05:48:18.933	488DX6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,948,577:39:0	
518	1	73	05:58:58.933	488DX6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,948,587:89:0	
519	1	73	15:21:06.266	488DY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,949,143:84:0	
520	1	73	16:45:54.933	488DY6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,949,227:73:0	
521	1	73	17:19:34.266	488DY6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,949,261:08:0	
522	1	73	21:44:02.933	488DZ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,949,522:60:0	
523	1	73	22:13:54.933	488DZ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,949,552:18:0	
524	1	73	22:48:43.600	488DZ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,949,586:57:0	
525	1	73	23:17:49.600	488DZ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,949,615:37:0	
526	1	74	04:33:38.933	488EA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,949,927:69:0	
527	1	74	05:07:46.933	488EA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,949,961:47:0	
528	1	74	05:14:10.933	488EA6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,949,967:77:0	
529	1	74	06:39:30.933	488EA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,950,052:22:0	
530	1	74	08:54:24.200	488EA6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,950,185:59:0	
531	1	74	08:58:10.866	488EB6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,950,189:35:0	
532	1	74	18:15:57.533	488EC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,950,741:03:0	
533	1	74	19:41:04.200	488EC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,950,825:19:0	
534	1	74	20:14:43.533	488EC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,950,858:45:0	
535	1	74	21:39:46.866	488EC6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,950,942:56:0	
536	1	74	22:00:12.200	488EC6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,950,962:74:0	
537	1	74	22:11:46.866	488ED6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,950,974:24:0	
538	1	75	00:20:55.533	488ED6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,951,101:90:0	
539	1	75	01:46:06.200	488ED6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,951,186:21:0	
540	1	75	02:19:45.533	488ED6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,951,219:47:0	
541	1	75	05:18:26.866	488EE6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,951,396:22:0	
542	1	75	05:30:09.533	488EE6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,951,407:75:0	
543	1	75	05:41:54.866	488EE6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,951,419:41:0	
544	1	75	15:25:50.200	488EF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,951,996:87:0	
545	1	75	15:53:00.200	488EF6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	5,952,023:75:0	
546	1	75	15:55:12.200	176SG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,952,026:00:0	
547	1	75	16:51:10.200	488EF6C	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2O0	4	0	5,952,081:32:0	
548	1	75	17:24:49.533	488EF6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	5,952,114:58:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	1	75	21:01:00.133	488EF6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,952,328:40:0	
550	1	75	21:04:36.133	176SH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,952,332:00:0	
551	1	75	21:29:06.800	488EG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,952,356:22:0	
552	1	75	22:05:04.800	488EG6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,952,391:74:0	
553	1	75	22:16:02.800	488EG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,952,402:60:0	
554	1	75	23:05:48.133	488EG6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,952,451:79:0	
555	1	76	00:31:13.466	488EG6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,952,536:32:0	
556	1	76	01:04:52.133	488EH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,952,569:57:0	
557	1	76	05:14:10.800	488EH6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,952,816:18:0	
558	1	76	05:30:02.800	488EH6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,952,831:81:0	
559	1	76	05:41:54.800	488EH6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,952,843:57:0	
560	1	76	15:28:56.800	488EI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,953,424:19:0	
561	1	76	19:44:34.800	488EI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,953,677:03:0	
562	1	76	21:58:58.800	488EJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,953,809:87:0	
563	1	76	22:04:56.800	488EJ6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,953,815:78:0	
564	1	76	22:16:02.800	488EJ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,953,826:76:0	
565	1	76	23:03:53.466	488EJ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,953,874:14:0	
566	1	77	04:08:02.800	488EK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,954,174:88:0	
567	1	77	05:16:32.066	488EK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,954,242:64:0	
568	1	77	05:22:42.733	488EK6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,954,248:74:0	
569	1	77	10:01:57.400	488EK6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,954,524:90:0	
570	1	77	10:10:42.733	488EL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,954,533:59:0	
571	1	77	12:16:34.733	488EL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,954,658:12:0	
572	1	77	19:33:54.733	488EM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,955,090:60:0	
573	1	77	21:52:34.733	488EM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,955,227:73:0	
574	1	77	21:59:49.400	488EM6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,955,234:88:0	
575	1	77	22:11:46.733	488EM6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,955,246:72:0	
576	1	77	23:03:46.733	488EM6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,955,298:20:0	
577	1	78	03:59:30.733	488EN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,955,590:64:0	
578	1	78	05:06:52.066	488EN6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,955,657:29:0	
579	1	78	15:35:27.333	488EO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,956,279:00:0	
580	1	78	17:01:33.333	488EO6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,956,364:14:0	
581	1	78	17:35:12.666	488EO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,956,397:40:0	
582	1	78	21:07:46.666	488EO6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,956,607:61:0	
583	1	78	21:52:31.333	488EP6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,956,651:84:0	
584	1	78	21:58:58.666	488EP6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,956,658:28:0	
585	1	78	22:13:54.666	488EP6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,956,673:07:0	
586	1	79	00:18:38.666	488EP6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,956,796:40:0	
587	1	79	03:48:50.666	488EP6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,957,004:30:0	
588	1	79	05:18:26.666	488EQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,957,092:86:0	
589	1	79	08:28:18.666	488EQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,957,280:66:0	
590	1	79	09:30:31.333	488EQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,957,342:23:0	
591	1	79	09:32:18.666	488EQ6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,957,344:02:0	
592	1	79	09:47:14.666	488EQ6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,957,358:72:0	
593	1	79	15:33:33.333	488ER6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,957,701:27:0	
594	1	79	18:57:38.666	488ER6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,957,903:13:0	
595	1	79	21:37:38.666	488ES6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,958,061:35:0	
596	1	79	21:49:34.666	488ES6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,958,073:17:0	
597	1	79	22:01:06.666	488ES6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,958,084:54:0	
598	1	80	00:18:30.666	488ES6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,958,220:44:0	
599	1	80	03:38:10.600	488ET6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,958,417:87:0	
600	1	80	05:14:10.600	488ET6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,958,512:82:0	
601	1	80	05:19:32.600	488ET6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,958,518:19:0	
602	1	80	05:31:14.600	488ET6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,958,529:71:0	
603	1	80	15:18:26.600	488EU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,959,110:48:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
604	1	80	18:34:10.600	488EU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,959,304:10:0
605	1	80	21:33:22.600	488EV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,959,481:31:0
606	1	80	21:49:27.266	488EV6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,959,497:22:0
607	1	80	22:01:06.600	488EV6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,959,508:70:0
608	1	80	23:03:23.933	488EV6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,959,570:34:0
609	1	81	03:27:30.600	488EV6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,959,831:53:0
610	1	81	05:07:46.600	488EW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,959,930:68:0
611	1	81	05:19:24.600	488EW6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,959,942:23:0
612	1	81	05:31:14.600	488EW6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,959,953:87:0
613	1	81	15:18:18.533	488EX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,960,534:52:0
614	1	81	18:02:10.533	488EX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,960,696:58:0
615	1	81	21:26:58.533	488EY6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,960,899:17:0
616	1	81	21:44:19.200	488EY6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,960,916:31:0
617	1	81	21:56:50.533	488EY6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,960,928:66:0
618	1	82	00:20:03.200	488EY6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,961,070:33:0
619	1	82	01:46:58.533	488EY6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,961,156:30:0
620	1	82	02:20:37.200	488EZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,961,189:55:0
621	1	82	04:33:38.533	488EZ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,961,321:15:0
622	1	82	05:09:40.533	488EZ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,961,356:73:0
623	1	82	05:12:02.533	488EZ6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,961,359:13:0
624	1	82	05:26:58.533	488EZ6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,961,373:83:0
625	1	82	05:38:14.533	488FA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,961,385:05:0
626	1	82	06:39:45.200	488FA6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,961,445:81:0
627	1	82	07:08:51.866	488FA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,961,474:62:0
628	1	82	08:02:42.533	488FA6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,961,527:85:0
629	1	82	09:18:54.533	488FA6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,961,603:27:0
630	1	82	09:23:46.533	488FB6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	5,961,608:10:0
631	1	82	10:00:02.533	488FB6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,961,643:89:0
632	1	82	10:56:41.200	176TC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,961,700:00:0
633	1	82	11:02:45.200		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,961,706:00:0
634	1	82	11:02:45.200		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,961,706:00:0
635	1	82	11:02:45.200	465WA6A	6DMST	5000	DMS Slew to TIC	2O0	4	0	5,961,706:00:0
636	1	82	11:02:45.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,961,706:00:0
637	1	82	11:02:51.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,961,706:10:0
638	1	82	11:02:53.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	2O0	4	0	5,961,706:12:1
639	1	82	15:38:11.866	488FC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,961,978:38:0
640	1	82	16:43:54.000		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	2O0	4	0	5,962,043:36:2
641	1	82	16:43:55.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	2O0	4	0	5,962,043:38:0
642	1	82	16:56:26.533	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,962,055:73:0
643	1	82	16:56:26.533		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	2O0	4	0	5,962,055:73:0
644	1	82	16:56:27.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	2O0	4	0	5,962,055:75:1
645	1	82	16:56:33.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	2O0	4	0	5,962,055:83:0
646	1	82	16:56:34.400		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	2O0	4	0	5,962,055:84:8
647	1	82	16:56:38.266		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	2O0	4	0	5,962,055:90:6
648	1	82	16:56:38.266		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	2O0	4	0	5,962,055:90:6
649	1	82	17:02:26.533	488FC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,962,061:67:0
650	1	82	17:22:18.533	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,962,081:35:0
651	1	82	17:22:18.533		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	2O0	4	0	5,962,081:35:0
652	1	82	17:22:19.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	2O0	4	0	5,962,081:36:8
653	1	82	19:21:07.200	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	2O0	4	0	5,962,198:81:0
654	1	82	19:21:07.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	2O0	4	0	5,962,198:81:0
655	1	82	19:21:07.200		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	2O0	4	0	5,962,198:81:0
656	1	82	19:21:08.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	2O0	4	0	5,962,198:83:1
657	1	82	19:21:13.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	2O0	4	0	5,962,199:00:0
658	1	82	19:21:15.066		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	2O0	4	0	5,962,199:01:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
659	1	82	19:21:16.466		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	2O0	4	0	5,962,199:03:9
660	1	82	19:25:09.200	488FC6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	5,962,202:80:0
661	1	82	19:25:17.133		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	5,962,203:00:9
662	1	82	19:25:18.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	5,962,203:02:7
663	1	82	19:25:18.333		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	5,962,203:02:7
664	1	82	19:25:19.733		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	5,962,203:04:8
665	1	82	19:25:31.733		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	5,962,203:22:8
666	1	82	19:25:32.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	5,962,203:24:6
667	1	82	19:31:09.866	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,962,208:75:0
668	1	82	19:31:09.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,962,208:75:0
669	1	82	19:31:16.533		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,962,208:85:0
670	1	82	19:31:20.400		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	2O0	4	0	5,962,208:90:8
671	1	82	19:31:20.400		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	2O0	4	0	5,962,208:90:8
672	1	82	20:03:03.866		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	2O0	4	0	5,962,240:34:0
673	1	82	20:03:03.866	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	2O0	4	0	5,962,240:34:0
674	1	82	20:03:05.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	2O0	4	0	5,962,240:35:8
675	1	82	20:18:39.866		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	2O0	4	0	5,962,255:73:0
676	1	82	20:18:39.866	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,962,255:73:0
677	1	82	20:18:41.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	2O0	4	0	5,962,255:75:1
678	1	82	20:18:46.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	2O0	4	0	5,962,255:83:0
679	1	82	20:18:47.733		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	2O0	4	0	5,962,255:84:8
680	1	82	20:18:51.600		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	2O0	4	0	5,962,255:90:6
681	1	82	20:18:51.600		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	2O0	4	0	5,962,255:90:6
682	1	82	20:50:47.800		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 165.17 +/-	2O0	4	0	5,962,287:53:0
683	1	82	20:50:47.800	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,962,287:53:0
684	1	82	20:50:49.000		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.37 +/-	2O0	4	0	5,962,287:54:8
685	1	82	20:50:52.866		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.87 +/-	2O0	4	0	5,962,287:60:6
686	1	82	20:50:52.866		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.87 +/-	2O0	4	0	5,962,287:60:6
687	1	82	21:22:42.466	488FC6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	5,962,319:13:0
688	1	82	21:22:48.466	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	5,962,319:22:0
689	1	82	21:22:48.466		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.58 +/-	2O0	4	0	5,962,319:22:0
690	1	82	21:22:49.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.38 +/-	2O0	4	0	5,962,319:23:8
691	1	82	21:37:31.800		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.38 +/-	2O0	4	0	5,962,333:73:0
692	1	82	21:37:31.800	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,962,333:73:0
693	1	82	21:37:33.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.50 +/-	2O0	4	0	5,962,333:75:1
694	1	82	21:37:38.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.74 +/-	2O0	4	0	5,962,333:83:0
695	1	82	21:37:39.666		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.80 +/-	2O0	4	0	5,962,333:84:8
696	1	82	21:37:43.533		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.30 +/-	2O0	4	0	5,962,333:90:6
697	1	82	21:37:43.533		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.30 +/-	2O0	4	0	5,962,333:90:6
698	1	82	21:44:12.466	488FD6A	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	2O0	4	0	5,962,340:37:0
699	1	82	22:09:39.133	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	5,962,365:52:0
700	1	82	22:09:39.133		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.58 +/-	2O0	4	0	5,962,365:52:0
701	1	82	22:09:40.333		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.78 +/-	2O0	4	0	5,962,365:53:8
702	1	82	22:09:44.200		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.28 +/-	2O0	4	0	5,962,365:59:6
703	1	82	22:09:44.200		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.28 +/-	2O0	4	0	5,962,365:59:6
704	1	82	22:10:45.133		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.72 +/-	2O0	4	0	5,962,366:60:0
705	1	82	22:10:45.133	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	5,962,366:60:0
706	1	82	22:10:46.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.52 +/-	2O0	4	0	5,962,366:61:8
707	1	82	22:11:59.133	488FD6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,962,367:80:0
708	1	82	22:25:15.133		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.52 +/-	2O0	4	0	5,962,381:00:0
709	1	82	22:25:15.133	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	5,962,381:00:0
710	1	82	22:26:09.133	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	2O0	4	0	5,962,381:81:0
711	1	82	22:26:09.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.52 +/-	2O0	4	0	5,962,381:81:0
712	1	82	22:26:09.133		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.52 +/-	2O0	4	0	5,962,381:81:0
713	1	82	22:26:10.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.64 +/-	2O0	4	0	5,962,381:83:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
714	1	82	22:26:15.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.88 +/-	2O0	4	0	5,962,382:00:0
715	1	82	22:26:17.000		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.94 +/-	2O0	4	0	5,962,382:01:8
716	1	82	22:26:18.400		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.82 +/-	2O0	4	0	5,962,382:03:9
717	1	82	22:37:45.066		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	5,962,393:32:9
718	1	82	22:37:46.266		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	5,962,393:34:7
719	1	82	22:37:46.266		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	5,962,393:34:7
720	1	82	22:37:47.666		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	5,962,393:36:8
721	1	82	22:37:59.666		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	5,962,393:54:8
722	1	82	22:38:00.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	5,962,393:56:6
723	1	82	22:53:03.800	20UK4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,962,408:46:0
724	1	82	22:53:53.800	20UK4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,962,409:30:0
725	1	82	22:55:35.133	176TD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,962,411:00:0
726	1	83	02:21:15.800	488FD6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,962,614:38:0
727	1	83	02:40:34.466	488FD6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,962,633:47:0
728	1	83	03:47:06.466	488FE6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,962,699:29:0
729	1	83	04:20:45.133	488FE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,962,732:54:0
730	1	83	08:06:58.466	488FE6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,962,956:30:0
731	1	83	09:08:50.466	488FE6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,963,017:47:0
732	1	83	09:25:54.466	488FE6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,963,034:36:0
733	1	83	09:55:46.466	488FF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,963,063:85:0
734	1	83	10:42:08.466	488FF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,963,109:72:0
735	1	83	11:15:47.133	488FF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,963,143:06:0
736	1	83	11:49:05.133	176SJ6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,963,176:00:0
737	1	83	11:59:59.800		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,963,186:72:0
738	**1**	**83**	**12:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**5,963,186:72:3**
739	**1**	**83**	**12:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**5,963,186:72:3**
740	**1**	**83**	**12:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,963,186:72:3**
741	**1**	**83**	**12:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**5,963,186:72:3**
742	**1**	**83**	**12:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,963,186:72:3**
743	**1**	**83**	**12:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,963,186:72:3**
744	**1**	**83**	**12:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,963,186:72:3**
745	**1**	**83**	**12:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,963,186:72:3**
746	**1**	**83**	**12:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**5,963,186:72:3**

Sequence: G29C-AR **Created: 6/19/01** **Begin: 01-083/12:00:00** **Finish: 01-135/00:00:00**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	1	83	11:59:59.800		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,963,186:72:0
2	**1**	**83**	**12:00:00.000**	**20A3EW**	**37A**	**CMD,37A,20A3EW,,**	**NIMS Power ON**	**2O0**	**4**	**0**	**5,963,186:72:3**
3	**1**	**83**	**12:00:00.000**	**20A3EX**	**37HR**	**CMD,37HR,20A3EX,**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**5,963,186:72:3**
4	**1**	**83**	**12:00:00.000**	**20A3FF**	**40T2R**	**CMD,40T2R,20A3FF**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**5,963,186:72:3**
5	**1**	**83**	**12:00:00.000**	**20A3FE**	**40T1PR**	**CMD,40T1PR,20A3F**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,963,186:72:3**
6	**1**	**83**	**12:00:00.000**	**20A3FD**	**40HRPR**	**CMD,40HRPR,20A3F**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,963,186:72:3**
7	**1**	**83**	**12:00:00.000**	**20A3FB**	**37F2PR**	**CMD,37F2PR,20A3F**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,963,186:72:3**
8	**1**	**83**	**12:00:00.000**	**20A3FA**	**37F1PR**	**CMD,37F1PR,20A3F**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,963,186:72:3**
9	**1**	**83**	**12:00:00.000**	**20A3EZ**	**37C2PR**	**CMD,37C2PR,20A3E**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**5,963,186:72:3**
10	**1**	**83**	**12:00:00.000**	**20A3EY**	**37C1PR**	**CMD,37C1PR,20A3E**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,963,186:72:3**
11	1	83	12:01:38.466	488AA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,963,188:38:0
12	1	83	12:04:15.133	176UA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,963,191:00:0
13	1	83	21:18:26.466	488AB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,963,739:09:0
14	1	83	21:39:05.800	488AB6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,963,759:48:0
15	1	83	21:50:26.466	488AB6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,963,770:68:0
16	1	83	23:28:01.800	488AB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,963,867:24:0
17	1	84	02:53:22.466	488AB6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,964,070:32:0
18	1	84	04:52:50.466	488AC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,964,188:46:0
19	1	84	05:09:02.466	488AC6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,964,204:48:0
20	1	84	05:20:34.466	488AC6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,964,215:85:0
21	1	84	15:39:43.733	488AD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,964,828:26:0
22	1	84	17:07:17.066	488AD6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,964,914:80:0
23	1	84	17:40:56.400	488AD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,964,948:15:0
24	1	84	20:08:02.400	488AD6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,965,093:59:0
25	1	84	21:22:42.400	488AD6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,965,167:45:0
26	1	84	21:27:44.400	488AE6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,965,172:43:0
27	1	85	09:14:59.066	488AF6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,965,871:86:0
28	1	85	09:40:50.400	488AF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,965,897:47:0
29	1	85	10:35:17.733	488AF6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,965,951:34:0
30	1	85	11:01:54.400	488AF6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,965,977:63:0
31	1	85	11:10:20.400	488AF6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,965,986:03:0
32	1	85	13:52:59.733	488AG6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	5,966,146:82:0
33	1	85	13:56:07.733	176UQ6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,966,150:00:0
34	1	85	14:05:59.733	20UB4C	7STAT	10.00,246.92,-21	Stator inertial point	2O0	4	0	5,966,159:69:0
35	1	85	14:06:11.733	20UB6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	2O0	4	0	5,966,159:87:0
36	1	85	14:25:01.733	490UB412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	5,966,178:53:0
37	1	85	14:29:59.733	490UB412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	5,966,183:45:0
38	1	85	14:30:19.733	20UB4D	7STAT	17.45,246.92,-21	Stator inertial point	2O0	4	0	5,966,183:75:0
39	1	85	14:34:09.733	490UB412A4E	7VECT		Inert vect update UTC	2O0	4	0	5,966,187:56:0
40	1	85	14:34:13.733	490UB412A4F	7TURN	2,RTH	ALERT Thruster	2O0	4	0	5,966,187:62:0
41	1	85	14:38:01.733	490UB412A406A4A	7VECT		Inert vect update UTC	2O0	4	0	5,966,191:40:0
42	1	85	14:38:03.733	490UB412A406A4B	7STAR	1,497,343.73	Star catalog update	2O0	4	0	5,966,191:43:0
43	1	85	14:38:05.733	490UB412A406A4C	7STAR	2,128,193.42	Star catalog update	2O0	4	0	5,966,191:46:0
44	1	85	14:38:07.733	490UB412A406A4D	7STAR	3,122,305.11	Star catalog update	2O0	4	0	5,966,191:49:0
45	1	85	14:38:09.733	490UB412A406A4E	7STAR	4,0,0.0,0.0	Star catalog update	2O0	4	0	5,966,191:52:0
46	1	85	14:38:11.733	490UB412A406A4F	7STAR	5,0,0.0,0.0	Star catalog update	2O0	4	0	5,966,191:55:0
47	1	85	14:38:13.733	490UB412A406A4G	7STAR	6,0,0.0,0.0	Star catalog update	2O0	4	0	5,966,191:58:0
48	1	85	14:48:05.733	20UB4F	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,966,201:36:0
49	1	85	14:56:09.733	490UB412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,966,209:34:0
50	1	85	16:30:03.733	20UH4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,966,302:22:0
51	1	85	16:30:53.733	20UH4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,966,303:06:0
52	1	85	16:30:59.733	488AG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,966,303:15:0
53	1	85	16:32:51.066	176UB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,966,305:00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	1	85	20:22:58.333	488AH6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,966,532:54:0	
55	1	85	21:26:58.333	488AH6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,966,595:81:0	
56	1	85	21:27:36.333	488AH6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,966,596:47:0	
57	1	85	21:46:10.333	488AH6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,966,614:80:0	
58	1	86	00:17:47.666	488AH6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,966,764:76:0	
59	1	86	03:01:54.333	488AI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,966,927:13:0	
60	1	86	04:52:50.333	488AI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,967,036:78:0	
61	1	86	04:58:48.333	488AI6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,967,042:69:0	
62	1	86	05:09:54.333	488AI6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,967,053:67:0	
63	1	86	05:17:45.666	488AI6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,967,061:46:0	
64	1	86	07:52:02.333	488AJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,967,214:08:0	
65	1	86	09:04:26.333	488AJ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,967,285:63:0	
66	1	86	09:06:42.333	488AJ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,967,287:85:0	
67	1	86	09:17:22.333	488AJ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,967,298:44:0	
68	1	86	15:42:42.333	488AK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,967,679:53:0	
69	1	86	17:21:38.333	488AK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,967,777:39:0	
70	1	86	21:12:02.333	488AK6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,968,005:27:0	
71	1	86	21:28:43.666	488AK6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,968,021:73:0	
72	1	86	21:39:46.333	488AK6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,968,032:66:0	
73	1	86	23:07:40.333	488AL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,968,119:60:0	
74	1	86	23:59:35.000	431MB6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	2O0	4	0	5,968,171:00:0	
75	1	87	03:01:54.266	488AL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,968,351:29:0	
76	1	87	04:46:26.266	488AL6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,968,454:64:0	
77	1	87	04:53:41.600	488AL6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,968,461:80:0	
78	1	87	05:05:38.266	488AL6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,968,473:63:0	
79	1	87	16:47:35.600	488AM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,969,167:85:0	
80	1	87	17:36:34.266	488AM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,969,216:34:0	
81	1	87	21:12:02.266	488AM6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,969,429:43:0	
82	1	87	21:28:36.266	488AM6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,969,445:78:0	
83	1	87	21:39:46.266	488AM6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,969,456:82:0	
84	1	87	23:09:20.266	488AN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,969,545:44:0	
85	1	88	00:37:40.933	488AN6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,969,632:78:0	
86	1	88	01:11:20.266	488AN6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,969,666:13:0	
87	1	88	04:12:18.266	488AN6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,969,845:11:0	
88	1	88	04:52:38.933	488AN6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,969,885:02:0	
89	1	88	04:52:50.266	488AO6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,969,885:19:0	
90	1	88	05:09:54.266	488AO6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,969,902:08:0	
91	1	88	13:17:29.533	488AP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,970,384:29:0	
92	1	88	17:38:22.200	488AP6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,970,642:30:0	
93	1	89	01:17:25.533	488AQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,971,096:31:0	
94	1	89	03:01:54.200	488AQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,971,199:61:0	
95	1	89	04:42:10.200	488AQ6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,971,298:76:0	
96	1	89	04:52:38.866	488AQ6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,971,309:18:0	
97	1	89	05:01:22.200	488AQ6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,971,317:75:0	
98	1	89	05:24:32.200	488AR6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,971,340:67:0	
99	1	89	05:29:06.200	488AR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,971,345:23:0	
100	1	89	07:47:46.200	488AR6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,971,482:36:0	
101	1	89	08:57:29.533	488AR6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,971,551:32:0	
102	1	89	09:02:26.200	488AR6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,971,556:22:0	
103	1	89	09:17:22.200	488AS6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,971,571:01:0	
104	1	89	15:44:08.200	488AT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,971,953:48:0	
105	1	89	17:12:52.200	488AT6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,972,041:26:0	
106	1	89	17:46:31.533	488AT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,972,074:52:0	
107	1	89	17:56:03.533	176UG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,972,084:00:0	
108	1	89	18:02:00.200	20UU4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,972,089:80:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
109	1	89	18:03:00.200	20UU4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2O0	4	0	5,972,090:79:0
110	1	89	18:05:00.200	20UU4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	5,972,092:77:0
111	1	89	18:10:30.200	20UU4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	5,972,098:26:0
112	1	89	18:10:30.866	20UU4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	5,972,098:27:0
113	1	89	18:10:50.866	20UU4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	5,972,098:57:0
114	1	89	18:10:51.533	20UU4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	5,972,098:58:0
115	1	89	18:11:11.533	20UU4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,972,098:88:0
116	1	89	18:11:12.200	20UU4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,972,098:89:0
117	1	89	18:11:22.200	20UU4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,972,099:13:0
118	1	89	18:11:22.866	20UU4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,972,099:14:0
119	1	89	18:11:32.866	20UU4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	5,972,099:29:0
120	1	89	18:11:33.533	20UU4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	5,972,099:30:0
121	1	89	18:13:20.200	20UU4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	5,972,101:08:0
122	1	89	18:13:20.866	20UU4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	5,972,101:09:0
123	1	89	18:13:40.866	20UU4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	5,972,101:39:0
124	1	89	18:13:41.533	20UU4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	5,972,101:40:0
125	1	89	18:14:01.533	20UU4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,972,101:70:0
126	1	89	18:14:02.200	20UU4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,972,101:71:0
127	1	89	18:14:12.200	20UU4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,972,101:86:0
128	1	89	18:14:12.866	20UU4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,972,101:87:0
129	1	89	18:14:22.866	20UU4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	5,972,102:11:0
130	1	89	18:14:23.533	20UU4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	5,972,102:12:0
131	1	89	18:15:20.200	20UU4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,972,103:06:0
132	1	89	18:40:04.200	20UG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,972,127:48:0
133	1	89	18:40:54.200	20UG4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,972,128:32:0
134	1	89	18:42:34.200	176UH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,972,130:00:0
135	1	89	20:16:34.200	488AT6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,972,222:88:0
136	1	89	21:10:42.866	488AT6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,972,276:47:0
137	1	89	21:16:18.200	488AU6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,972,282:04:0
138	1	89	21:31:14.200	488AU6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,972,296:74:0
139	1	89	23:37:19.466	488AU6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,972,421:47:0
140	1	90	02:57:38.133	488AU6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,972,619:57:0
141	1	90	04:40:02.133	488AV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,972,720:82:0
142	1	90	04:50:42.133	488AV6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,972,731:41:0
143	1	90	07:41:22.133	488AV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,972,900:22:0
144	1	90	08:54:13.466	488AV6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,972,972:27:0
145	1	90	08:56:02.133	488AV6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,972,974:08:0
146	1	90	09:10:58.133	488AW6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,972,988:78:0
147	1	91	01:07:12.800	488AX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,973,934:54:0
148	1	91	02:57:38.133	488AX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,974,043:73:0
149	1	91	03:14:42.133	488AX6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,974,060:62:0
150	1	91	07:41:22.133	488AY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,974,324:38:0
151	1	91	08:49:32.800	488AY6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,974,391:77:0
152	1	91	08:51:46.133	488AY6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,974,394:04:0
153	1	91	09:06:42.066	488AY6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,974,408:74:0
154	1	91	15:42:08.733	488AZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,974,799:83:0
155	1	91	18:02:10.066	488AZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,974,938:36:0
156	1	91	21:01:22.066	488AZ6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,975,115:57:0
157	1	91	21:13:09.400	488AZ6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,975,127:26:0
158	1	91	21:24:50.066	488AZ6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,975,138:76:0
159	1	91	23:38:52.733	488BA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,975,271:37:0
160	1	92	01:08:08.066	488BA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,975,359:62:0
161	1	92	01:41:47.400	488BA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,975,392:88:0
162	1	92	04:05:54.066	488BA6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,975,535:45:0
163	1	92	04:38:59.400	488BA6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,975,568:20:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	1	92	04:42:10.066	488BB6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,975,571:33:0	
165	1	92	04:57:06.066	488BB6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,975,586:12:0	
166	1	92	15:32:01.400	488BC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,976,214:07:0	
167	1	92	18:06:26.066	488BC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,976,366:72:0	
168	1	92	20:57:06.000	488BC6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,976,535:53:0	
169	1	92	21:16:18.000	488BC6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,976,554:52:0	
170	1	93	02:57:38.000	488BD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,976,892:14:0	
171	1	93	04:31:30.000	488BD6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,976,984:90:0	
172	1	93	04:33:00.666	488BD6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,976,986:44:0	
173	1	93	04:44:18.000	488BD6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,976,997:59:0	
174	1	93	05:01:57.333	488BD6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,977,015:10:0	
175	1	93	07:37:06.000	488BE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,977,168:50:0	
176	1	93	08:43:57.333	488BE6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,977,234:61:0	
177	1	93	08:47:30.000	488BE6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,977,238:16:0	
178	1	93	08:58:10.000	488BE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,977,248:66:0	
179	1	93	15:48:41.333	488BF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,977,654:67:0	
180	1	93	17:18:19.333	488BF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,977,743:35:0	
181	1	93	17:51:58.666	488BF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,977,776:61:0	
182	1	93	20:12:18.000	488BF6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,977,915:41:0	
183	1	93	21:05:38.000	488BF6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,977,968:18:0	
184	1	93	21:06:42.666	488BG6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,977,969:24:0	
185	1	93	21:24:50.000	488BG6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,977,987:17:0	
186	1	94	15:46:48.600	488BH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,979,077:05:0	
187	1	94	18:10:41.933	488BH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,979,219:33:0	
188	1	94	20:50:41.933	488BH6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,979,377:55:0	
189	1	94	21:09:53.933	488BH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,979,396:54:0	
190	1	94	22:33:27.266	488BI6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,979,479:21:0	
191	1	94	23:07:06.600	488BI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,979,512:47:0	
192	1	95	04:01:37.933	488BI6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,979,803:73:0	
193	1	95	04:27:47.266	488BI6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,979,829:61:0	
194	1	95	04:40:01.933	488BJ6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,979,841:71:0	
195	1	95	12:16:42.600	488BK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,980,293:40:0	
196	1	95	18:17:05.866	488BL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,980,649:79:0	
197	1	95	20:50:41.866	488BL6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,980,801:71:0	
198	1	95	20:57:43.200	488BL6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,980,808:66:0	
199	1	95	21:09:53.866	488BL6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,980,820:70:0	
200	1	95	23:16:39.866	488BL6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,980,946:13:0	
201	1	96	02:55:29.866	488BM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,981,162:52:0	
202	1	96	04:27:13.866	488BM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,981,253:27:0	
203	1	96	04:27:41.200	488BM6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,981,253:68:0	
204	1	96	04:40:01.866	488BM6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,981,265:87:0	
205	1	96	15:31:35.866	488BN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,981,910:33:0	
206	1	96	18:17:05.866	488BN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,982,074:04:0	
207	1	96	20:48:33.866	488BN6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,982,223:77:0	
208	1	96	20:59:13.866	488BN6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,982,234:36:0	
209	1	97	02:55:29.800	488BO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,982,586:68:0	
210	1	97	04:21:57.133	488BO6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,982,672:23:0	
211	1	97	04:27:13.800	488BO6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,982,677:43:0	
212	1	97	08:33:37.800	488BO6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,982,921:15:0	
213	1	97	08:43:13.800	488BO6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,982,930:60:0	
214	1	97	09:34:25.800	488BP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,982,981:27:0	
215	1	97	09:58:43.133	488BP6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,983,005:29:0	
216	1	97	10:32:22.466	488BP6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,983,038:55:0	
217	1	97	20:10:09.800	488BQ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,983,610:04:0	
218	1	97	20:46:25.800	488BQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,983,645:83:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
219	1	97	21:36:32.466	488BQ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,983,695:43:0
220	1	97	22:05:38.466	488BQ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,983,724:23:0
221	1	98	02:51:13.800	488BR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,984,006:64:0
222	1	98	04:20:49.800	488BR6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,984,095:29:0
223	1	98	04:32:28.466	488BR6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,984,106:76:0
224	1	98	04:44:17.800	488BR6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,984,118:48:0
225	1	98	15:31:22.400	488BS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,984,758:45:0
226	1	98	18:21:21.733	488BS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,984,926:56:0
227	1	98	20:44:17.733	488BS6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,985,067:89:0
228	1	98	20:54:57.733	488BS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,985,078:48:0
229	1	99	02:51:13.733	488BT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,985,430:80:0
230	1	99	04:20:49.733	488BT6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,985,519:45:0
231	1	99	04:22:22.400	488BT6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,985,521:02:0
232	1	99	04:33:37.733	488BT6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,985,532:14:0
233	1	99	15:31:16.400	488BU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,986,182:52:0
234	1	99	18:21:21.733	488BU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,986,350:72:0
235	1	99	20:40:01.733	488BU6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,986,487:85:0
236	1	99	20:47:18.400	488BU6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,986,495:12:0
237	1	99	20:59:13.733	488BU6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,986,506:84:0
238	1	99	21:18:01.666	488BV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,986,525:47:0
239	1	99	22:48:59.000	488BV6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,986,615:43:0
240	1	99	23:22:38.333	488BV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,986,648:69:0
241	1	100	03:50:57.666	488BW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,986,914:12:0
242	1	100	04:14:50.333	488BW6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,986,937:68:0
243	1	100	04:20:49.666	488BW6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,986,943:61:0
244	1	100	04:35:45.666	488BW6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,986,958:40:0
245	1	100	15:31:10.333	488BX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,987,606:59:0
246	1	100	18:10:41.666	488BX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,987,764:38:0
247	1	100	20:35:45.666	488BX6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,987,907:81:0
248	1	100	20:42:11.666	488BX6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,987,914:23:0
249	1	100	20:52:49.666	488BX6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,987,924:70:0
250	1	100	23:06:08.333	488BY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,988,056:56:0
251	1	101	02:44:49.666	488BY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,988,272:82:0
252	1	101	04:10:09.666	488BY6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,988,357:27:0
253	1	101	04:12:09.666	488BY6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,988,359:25:0
254	1	101	04:22:57.666	488BY6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,988,369:87:0
255	1	101	15:46:04.933	488BZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,989,045:52:0
256	1	101	18:06:25.600	488BZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,989,184:34:0
257	1	101	19:54:10.933	488BZ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,989,290:86:0
258	1	101	20:03:45.600	488BZ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,989,300:38:0
259	1	102	01:36:01.600	488CA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,989,629:03:0
260	1	102	05:21:08.933	488CA6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,989,851:62:0
261	1	102	05:24:49.600	488CA6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,989,855:29:0
262	1	102	13:02:45.600	488CB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,990,308:20:0
263	1	102	14:34:14.933	488CB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,990,398:64:0
264	1	102	15:07:54.266	488CB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,990,431:90:0
265	1	102	19:50:57.533	488CC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,990,711:85:0
266	1	102	20:34:21.533	488CC6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,990,754:78:0
267	1	102	20:40:01.533	488CC6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,990,760:42:0
268	1	102	20:54:57.533	488CC6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,990,775:21:0
269	1	102	23:15:56.866	488CC6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,990,914:61:0
270	1	103	02:36:17.533	488CD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,991,112:74:0
271	1	103	04:05:53.533	488CD6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,991,201:39:0
272	1	103	04:06:57.533	488CD6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,991,202:44:0
273	1	103	04:18:41.533	488CD6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,991,214:08:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
274	1	103	15:30:52.866	488CE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,991,878:81:0
275	1	103	17:51:29.533	488CE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,992,017:87:0
276	1	103	20:25:05.533	488CE6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,992,169:79:0
277	1	103	20:31:53.533	488CE6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,992,176:54:0
278	1	103	20:44:17.533	488CE6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,992,188:78:0
279	1	103	23:17:37.533	488CF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,992,340:46:0
280	1	104	00:49:24.200	488CF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,992,431:25:0
281	1	104	01:23:03.533	488CF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,992,464:51:0
282	1	104	03:36:01.466	488CF6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,992,596:06:0
283	1	104	04:04:20.133	488CF6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,992,624:06:0
284	1	104	04:10:09.466	488CG6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,992,629:75:0
285	1	104	04:25:05.466	488CG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,992,644:54:0
286	1	104	10:02:34.133	488CG6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,992,978:33:0
287	1	104	11:12:33.466	488CH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,993,047:53:0
288	1	104	17:45:05.466	488CI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,993,435:73:0
289	1	104	19:44:33.466	488CI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,993,553:87:0
290	1	105	00:19:45.466	488CJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,993,826:12:0
291	1	105	01:28:01.466	488CJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,993,893:59:0
292	1	105	05:11:36.800	488CJ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,994,114:71:0
293	1	105	15:30:40.733	488CK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,994,727:04:0
294	1	105	17:34:25.400	488CK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,994,849:39:0
295	1	105	20:18:41.400	488CK6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,995,011:81:0
296	1	105	20:29:21.400	488CK6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,995,022:40:0
297	1	106	02:21:21.400	488CL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,995,370:52:0
298	1	106	03:55:13.400	488CL6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,995,463:37:0
299	1	106	03:56:40.733	488CL6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,995,464:77:0
300	1	106	04:08:01.400	488CL6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,995,476:06:0
301	1	106	15:17:21.400	488CM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,996,138:04:0
302	1	106	16:49:39.400	488CM6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,996,229:30:0
303	1	106	17:23:18.733	488CM6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,996,262:56:0
304	1	106	19:36:01.400	488CM6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,996,393:79:0
305	1	106	20:22:16.066	488CM6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,996,439:55:0
306	1	106	20:25:05.400	488CN6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,996,442:36:0
307	1	106	20:40:01.400	488CN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,996,457:15:0
308	1	106	23:15:33.400	488CN6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,996,610:90:0
309	1	107	02:14:57.333	488CN6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,996,788:38:0
310	1	107	03:50:57.333	488CO6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,996,883:33:0
311	1	107	03:51:34.666	488CO6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,996,883:89:0
312	1	107	04:03:45.333	488CO6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,996,896:02:0
313	1	107	15:05:29.333	488CP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,997,550:44:0
314	1	107	17:19:29.333	488CP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,997,683:01:0
315	1	107	20:10:09.333	488CP6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,997,851:73:0
316	1	107	20:21:31.333	488CP6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,997,863:04:0
317	1	107	20:33:37.333	488CP6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,997,875:01:0
318	1	108	14:15:23.933	488CQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,998,925:11:0
319	1	108	17:10:57.266	488CQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,999,098:68:0
320	1	108	20:08:01.266	488CQ6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,999,273:79:0
321	1	108	20:27:13.266	488CR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,999,292:78:0
322	1	108	21:54:51.933	488CR6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,999,379:49:0
323	1	108	22:28:31.266	488CR6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,999,412:75:0
324	1	108	22:55:59.933	176UP6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,999,440:00:0
325	1	108	23:01:59.933	20UZ4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,999,445:85:0
326	1	108	23:02:59.933	20UZ4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2O0	4	0	5,999,446:84:0
327	1	108	23:04:59.933	20UZ4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	5,999,448:82:0
328	1	108	23:10:29.933	20UZ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	5,999,454:31:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
329	1	108	23:10:30.600	20UZ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	5,999,454:32:0
330	1	108	23:10:50.600	20UZ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	5,999,454:62:0
331	1	108	23:10:51.266	20UZ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	5,999,454:63:0
332	1	108	23:11:11.266	20UZ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,999,455:02:0
333	1	108	23:11:11.933	20UZ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,999,455:03:0
334	1	108	23:11:21.933	20UZ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,999,455:18:0
335	1	108	23:11:22.600	20UZ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,999,455:19:0
336	1	108	23:11:32.600	20UZ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	5,999,455:34:0
337	1	108	23:11:33.266	20UZ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	5,999,455:35:0
338	1	108	23:13:19.933	20UZ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	5,999,457:13:0
339	1	108	23:13:20.600	20UZ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	5,999,457:14:0
340	1	108	23:13:40.600	20UZ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	5,999,457:44:0
341	1	108	23:13:41.266	20UZ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	5,999,457:45:0
342	1	108	23:14:01.266	20UZ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,999,457:75:0
343	1	108	23:14:01.933	20UZ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,999,457:76:0
344	1	108	23:14:11.933	20UZ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,999,458:00:0
345	1	108	23:14:12.600	20UZ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,999,458:01:0
346	1	108	23:14:22.600	20UZ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	5,999,458:16:0
347	1	108	23:14:23.266	20UZ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	5,999,458:17:0
348	1	108	23:15:19.933	20UZ4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,999,459:11:0
349	1	108	23:40:03.933	20UJ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,999,483:53:0
350	1	108	23:40:53.933	20UJ4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,999,484:37:0
351	1	108	23:42:30.600	176US6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,999,486:00:0
352	1	109	03:14:41.266	488CS6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,999,695:77:0
353	1	109	03:47:27.266	488CS6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,999,728:23:0
354	1	109	03:50:57.266	488CS6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,999,731:65:0
355	1	109	04:05:53.266	488CS6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,999,746:44:0
356	1	109	12:15:18.600	488CT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,000,230:48:0
357	1	109	17:04:33.266	488CT6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,000,516:54:0
358	1	109	20:05:53.200	488CU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,000,695:85:0
359	1	109	20:16:20.533	488CU6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,000,706:25:0
360	1	109	20:27:13.200	488CU6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,000,717:03:0
361	1	109	23:15:16.533	488CU6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,000,883:22:0
362	1	110	02:00:01.200	488CU6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,001,046:16:0
363	1	110	03:40:17.200	488CV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,001,145:31:0
364	1	110	03:46:18.533	488CV6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,001,151:27:0
365	1	110	03:57:21.200	488CV6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,001,162:20:0
366	1	110	09:54:03.200	176VA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,001,515:00:0
367	1	110	10:02:08.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,001,523:00:0
368	1	110	10:02:08.533		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,001,523:00:0
369	1	110	10:02:08.533		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,001,523:00:0
370	1	110	10:02:08.533	465WA6A	6DMST	5000	DMS Slew to TIC	2O0	4	0	6,001,523:00:0
371	1	110	10:02:15.200		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,001,523:10:0
372	1	110	10:02:16.600		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	2O0	4	0	6,001,523:12:1
373	1	110	14:50:12.533	488CW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,001,807:82:0
374	1	110	15:43:17.333		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4997.94 +/-	2O0	4	0	6,001,860:36:2
375	1	110	15:43:18.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	2O0	4	0	6,001,860:38:0
376	1	110	15:55:49.866	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	6,001,872:73:0
377	1	110	15:55:49.866		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	2O0	4	0	6,001,872:73:0
378	1	110	15:55:51.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	2O0	4	0	6,001,872:75:1
379	1	110	15:55:56.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	2O0	4	0	6,001,872:83:0
380	1	110	15:55:57.733		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	2O0	4	0	6,001,872:84:8
381	1	110	15:56:01.600		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	2O0	4	0	6,001,872:90:6
382	1	110	15:56:01.600		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	2O0	4	0	6,001,872:90:6
383	1	110	16:21:41.866	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	6,001,898:35:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
384	1	110	16:21:41.866		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 255.79 +/-	2O0	4	0	6,001,898:35:0
385	1	110	16:21:43.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	2O0	4	0	6,001,898:36:8
386	1	110	16:34:41.200	488CW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,001,911:21:0
387	1	110	18:25:33.866	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	2O0	4	0	6,002,020:81:0
388	1	110	18:25:33.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	2O0	4	0	6,002,020:81:0
389	1	110	18:25:33.866		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	2O0	4	0	6,002,020:81:0
390	1	110	18:25:35.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	2O0	4	0	6,002,020:83:1
391	1	110	18:25:40.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	2O0	4	0	6,002,021:00:0
392	1	110	18:25:41.733		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	2O0	4	0	6,002,021:01:8
393	1	110	18:25:43.133		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	2O0	4	0	6,002,021:03:9
394	1	110	18:29:09.200	488CW6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,002,024:40:0
395	1	110	18:29:43.800		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	6,002,025:00:9
396	1	110	18:29:45.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	6,002,025:02:7
397	1	110	18:29:45.000		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	6,002,025:02:7
398	1	110	18:29:46.400		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	6,002,025:04:8
399	1	110	18:29:58.400		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	6,002,025:22:8
400	1	110	18:29:59.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	6,002,025:24:6
401	1	110	18:35:36.533	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	2O0	4	0	6,002,030:75:0
402	1	110	18:35:36.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,002,030:75:0
403	1	110	18:35:43.200		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,002,030:85:0
404	1	110	18:35:47.066		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	2O0	4	0	6,002,030:90:8
405	1	110	18:35:47.066		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	2O0	4	0	6,002,030:90:8
406	1	110	19:07:30.533	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	2O0	4	0	6,002,062:34:0
407	1	110	19:07:30.533		DMS:	**: *RUNDOWN**	P100, TRACK 1, FWD, TIC *6063.01 +/-	2O0	4	0	6,002,062:34:0
408	1	110	19:07:31.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	2O0	4	0	6,002,062:35:8
409	1	110	19:23:06.533		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	2O0	4	0	6,002,077:73:0
410	1	110	19:23:06.533	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	2O0	4	0	6,002,077:73:0
411	1	110	19:23:07.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	2O0	4	0	6,002,077:75:1
412	1	110	19:23:13.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	2O0	4	0	6,002,077:83:0
413	1	110	19:23:14.400		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	2O0	4	0	6,002,077:84:8
414	1	110	19:23:18.266		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	2O0	4	0	6,002,077:90:6
415	1	110	19:23:18.266		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	2O0	4	0	6,002,077:90:6
416	1	110	19:55:14.533		DMS:	**: *RUNDOWN**	P100, TRACK 2, REV, TIC * 164.96 +/-	2O0	4	0	6,002,109:53:0
417	1	110	19:55:14.533	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	6,002,109:53:0
418	1	110	19:55:15.733		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	2O0	4	0	6,002,109:54:8
419	1	110	19:55:19.600		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	2O0	4	0	6,002,109:60:6
420	1	110	19:55:19.600		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	2O0	4	0	6,002,109:60:6
421	1	110	19:59:29.200	488CW6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,002,113:71:0
422	1	110	20:16:33.200	488CW6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,002,130:60:0
423	1	110	20:27:15.200	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	6,002,141:22:0
424	1	110	20:27:15.200		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC *6062.38 +/-	2O0	4	0	6,002,141:22:0
425	1	110	20:27:16.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	2O0	4	0	6,002,141:23:8
426	1	110	20:41:58.533	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	6,002,155:73:0
427	1	110	20:41:58.533		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	2O0	4	0	6,002,155:73:0
428	1	110	20:41:59.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	2O0	4	0	6,002,155:75:1
429	1	110	20:42:05.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	2O0	4	0	6,002,155:83:0
430	1	110	20:42:06.400		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	2O0	4	0	6,002,155:84:8
431	1	110	20:42:10.266		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	2O0	4	0	6,002,155:90:6
432	1	110	20:42:10.266		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	2O0	4	0	6,002,155:90:6
433	1	110	21:14:05.866	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	6,002,187:52:0
434	1	110	21:14:05.866		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 166.38 +/-	2O0	4	0	6,002,187:52:0
435	1	110	21:14:07.066		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	2O0	4	0	6,002,187:53:8
436	1	110	21:14:10.933		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	2O0	4	0	6,002,187:59:6
437	1	110	21:14:10.933		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	2O0	4	0	6,002,187:59:6
438	1	110	21:15:11.866		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC * 358.52 +/-	2O0	4	0	6,002,188:60:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	1	110	21:15:11.866	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	6,002,188:60:0	
440	1	110	21:15:13.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	2O0	4	0	6,002,188:61:8	
441	1	110	21:15:59.200	488CX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,002,189:40:0	
442	1	110	21:29:41.866	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	6,002,203:00:0	
443	1	110	21:29:41.866		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	2O0	4	0	6,002,203:00:0	
444	1	110	21:30:35.866	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	2O0	4	0	6,002,203:81:0	
445	1	110	21:30:35.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	2O0	4	0	6,002,203:81:0	
446	1	110	21:30:35.866		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	2O0	4	0	6,002,203:81:0	
447	1	110	21:30:37.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	2O0	4	0	6,002,203:83:1	
448	1	110	21:30:42.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	2O0	4	0	6,002,204:00:0	
449	1	110	21:30:43.733		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	2O0	4	0	6,002,204:01:8	
450	1	110	21:30:45.133		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	2O0	4	0	6,002,204:03:9	
451	1	110	21:42:10.933		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	6,002,215:31:6	
452	1	110	21:42:12.133		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	6,002,215:33:4	
453	1	110	21:42:12.133		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	6,002,215:33:4	
454	1	110	21:42:13.533		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	6,002,215:35:5	
455	1	110	21:42:25.533		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	6,002,215:53:5	
456	1	110	21:42:26.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	6,002,215:55:3	
457	1	110	21:45:02.533	488CX6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,002,218:16:0	
458	1	110	21:59:01.200	176VB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,002,232:00:0	
459	1	110	22:18:41.200	488CX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,002,251:41:0	
460	1	111	02:59:45.200	488CX6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,002,529:39:0	
461	1	111	03:37:05.200	488CY6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,002,566:32:0	
462	1	111	03:40:17.200	488CY6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,002,569:47:0	
463	1	111	07:47:17.133	488CY6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,002,813:73:0	
464	1	111	07:52:01.133	488CY6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,002,818:44:0	
465	1	111	08:17:37.133	488CY6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,002,843:73:0	
466	1	111	12:22:57.133	488CZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,003,086:40:0	
467	1	111	15:39:13.133	488CZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,003,280:50:0	
468	1	111	19:55:13.133	488DA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,003,533:67:0	
469	1	111	20:12:17.133	488DA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,003,550:56:0	
470	1	112	01:34:25.133	488DA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,003,869:19:0	
471	1	112	02:59:08.466	176UY6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,003,953:00:0	
472	1	112	03:29:37.133	488DB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,003,983:13:0	
473	1	112	03:41:07.800	488DB6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,003,994:48:0	
474	1	112	03:53:05.133	488DB6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,004,006:32:0	
475	1	112	10:04:49.133	465KA6A	6DMST	250	DMS Slew to TIC	2O0	4	0	6,004,374:00:0	
476	1	112	10:04:49.133		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,004,374:00:0	
477	1	112	10:04:49.133		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,004,374:00:0	
478	1	112	10:04:49.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,004,374:00:0	
479	1	112	10:04:55.800		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,004,374:10:0	
480	1	112	10:04:57.200		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	2O0	4	0	6,004,374:12:1	
481	1	112	10:08:11.266		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC * 247.94 +/-	2O0	4	0	6,004,377:30:2	
482	1	112	10:08:12.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 248.00 +/-	2O0	4	0	6,004,377:32:0	
483	1	112	15:26:49.133	488DC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,004,692:42:0	
484	1	112	15:34:59.800	488DC6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,004,700:50:0	
485	1	112	15:46:33.733	165JD4A	7SCAN	NORM,44.0,13.0,1	Check S/P Position	2O0	4	0	6,004,711:90:0	
486	1	112	16:17:59.733	444SM443A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	6,004,743:07:0	
487	1	112	18:19:30.400	165ID4A	7SCAN	NORM,43.411,13.1	Check S/P Position	2O0	4	0	6,004,863:23:0	
488	1	112	18:21:17.066	118ID	**SMOS**	GS		2O0	4	0	6,004,865:01:0	
489	1	112	18:21:27.066	118ID110A111A4A	7STRP	0.00102,0.0,26,0	Slew =,0.51	2O0	4	0	6,004,865:16:0	
490	1	112	18:22:09.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 248.00 +/-	2O0	4	0	6,004,865:80:0	
491	1	112	18:22:09.733	175ID422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,865:80:0	
492	1	112	18:22:16.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 248.00 +/-	2O0	4	0	6,004,865:90:0	
493	1	112	18:22:19.066	118ID11A	**SMOS**	GE		2O0	4	0	6,004,866:03:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	1	112	18:22:19.733	175ID176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,004,866:04:0	
495	1	112	18:22:20.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 254.30 +/-	2O0	4	0	6,004,866:05:0	
496	1	112	18:22:20.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 254.30 +/-	2O0	4	0	6,004,866:05:0	
497	1	112	18:22:25.066	165IE4A	7SCAN	NORM,43.409,13.1	Check S/P Position	2O0	4	0	6,004,866:12:0	
498	1	112	18:22:31.733	175ID422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,866:22:0	
499	1	112	18:22:31.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 294.14 +/-	2O0	4	0	6,004,866:22:0	
500	1	112	18:22:32.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 295.14 +/-	2O0	4	0	6,004,866:23:8	
501	1	112	18:24:19.066	118IE	**SMOS**	GS		2O0	4	0	6,004,868:01:0	
502	1	112	18:24:29.066	118IE110A111A4A	7STRP	0.00102,0.0,26,0	Slew =,0.51	2O0	4	0	6,004,868:16:0	
503	1	112	18:25:11.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 295.14 +/-	2O0	4	0	6,004,868:80:0	
504	1	112	18:25:11.733	175IE422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,868:80:0	
505	1	112	18:25:18.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 295.14 +/-	2O0	4	0	6,004,868:90:0	
506	1	112	18:25:21.066	118IE11A	**SMOS**	GE		2O0	4	0	6,004,869:03:0	
507	1	112	18:25:21.733	175IE176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,004,869:04:0	
508	1	112	18:25:22.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 301.44 +/-	2O0	4	0	6,004,869:05:0	
509	1	112	18:25:22.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 301.44 +/-	2O0	4	0	6,004,869:05:0	
510	1	112	18:25:27.066	165IF4A	7SCAN	NORM,43.409,13.1	Check S/P Position	2O0	4	0	6,004,869:12:0	
511	1	112	18:25:33.733	175IE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,869:22:0	
512	1	112	18:25:33.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 341.29 +/-	2O0	4	0	6,004,869:22:0	
513	1	112	18:25:34.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 342.29 +/-	2O0	4	0	6,004,869:23:8	
514	1	112	18:27:21.066	118IF	**SMOS**	GS		2O0	4	0	6,004,871:01:0	
515	1	112	18:27:31.066	118IF110A111A4A	7STRP	0.00102,0.0,26,0	Slew =,0.51	2O0	4	0	6,004,871:16:0	
516	1	112	18:28:13.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 342.29 +/-	2O0	4	0	6,004,871:80:0	
517	1	112	18:28:13.733	175IF422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,871:80:0	
518	1	112	18:28:20.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 342.29 +/-	2O0	4	0	6,004,871:90:0	
519	1	112	18:28:23.066	118IF11A	**SMOS**	GE		2O0	4	0	6,004,872:03:0	
520	1	112	18:28:23.733	175IF176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,004,872:04:0	
521	1	112	18:28:24.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 348.59 +/-	2O0	4	0	6,004,872:05:0	
522	1	112	18:28:24.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 348.59 +/-	2O0	4	0	6,004,872:05:0	
523	1	112	18:28:35.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 388.43 +/-	2O0	4	0	6,004,872:22:0	
524	1	112	18:28:35.733	175IF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,872:22:0	
525	1	112	18:28:36.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 389.43 +/-	2O0	4	0	6,004,872:23:8	
526	1	112	18:28:46.400	165IG4A	7SCAN	NORM,339.700996,	Check S/P Position	2O0	4	0	6,004,872:38:0	
527	1	112	18:32:27.733	118IG	**SMOS**	GS		2O0	4	0	6,004,876:06:0	
528	1	112	18:32:51.733	118IG110A111A4A	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,876:42:0	
529	1	112	18:33:35.066	118IG110A111A4B	7STRP	0.001,-0.00066,0	Slew =,0.51	2O0	4	0	6,004,877:16:0	
530	1	112	18:33:43.733	118IG110A111A4C	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,877:29:0	
531	1	112	18:34:17.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 389.43 +/-	2O0	4	0	6,004,877:80:0	
532	1	112	18:34:17.733	175IG422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,877:80:0	
533	1	112	18:34:24.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 389.43 +/-	2O0	4	0	6,004,877:90:0	
534	1	112	18:34:27.066	118IG11A	**SMOS**	GE		2O0	4	0	6,004,878:03:0	
535	1	112	18:34:27.733	175IG176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,004,878:04:0	
536	1	112	18:34:28.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 395.73 +/-	2O0	4	0	6,004,878:05:0	
537	1	112	18:34:28.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 395.73 +/-	2O0	4	0	6,004,878:05:0	
538	1	112	18:34:42.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 444.95 +/-	2O0	4	0	6,004,878:26:0	
539	1	112	18:34:42.400	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,878:26:0	
540	1	112	18:34:43.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 445.95 +/-	2O0	4	0	6,004,878:27:8	
541	1	112	18:34:50.400	165IH4A	7SCAN	NORM,339.700996,	Check S/P Position	2O0	4	0	6,004,878:38:0	
542	1	112	18:36:30.400	118IH	**SMOS**	GS		2O0	4	0	6,004,880:06:0	
543	1	112	18:36:54.400	118IH110A111A4A	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,880:42:0	
544	1	112	18:37:37.733	118IH110A111A4B	7STRP	0.001,-0.00066,0	Slew =,0.51	2O0	4	0	6,004,881:16:0	
545	1	112	18:37:46.400	118IH110A111A4C	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,881:29:0	
546	1	112	18:38:20.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 445.95 +/-	2O0	4	0	6,004,881:80:0	
547	1	112	18:38:20.400	175IH422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,881:80:0	
548	1	112	18:38:27.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 445.95 +/-	2O0	4	0	6,004,881:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
549	1	112	18:38:29.733	118IH11A	**SMOS**	GE		2O0	4	0	6,004,882:03:0
550	1	112	18:38:30.400	175IH176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,004,882:04:0
551	1	112	18:38:31.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 452.25 +/-	2O0	4	0	6,004,882:05:0
552	1	112	18:38:31.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 452.25 +/-	2O0	4	0	6,004,882:05:0
553	1	112	18:38:45.066	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,882:26:0
554	1	112	18:38:45.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 501.47 +/-	2O0	4	0	6,004,882:26:0
555	1	112	18:38:46.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 502.47 +/-	2O0	4	0	6,004,882:27:8
556	1	112	18:38:53.066	165II4A	7SCAN	NORM,339.700996,	Check S/P Position	2O0	4	0	6,004,882:38:0
557	1	112	18:40:33.066	118II	**SMOS**	GS		2O0	4	0	6,004,884:06:0
558	1	112	18:40:57.066	118II110A111A4A	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,884:42:0
559	1	112	18:41:40.400	118II110A111A4B	7STRP	0.001,-0.00066,0	Slew =,0.51	2O0	4	0	6,004,885:16:0
560	1	112	18:41:49.066	118II110A111A4C	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,885:29:0
561	1	112	18:42:23.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 502.47 +/-	2O0	4	0	6,004,885:80:0
562	1	112	18:42:23.066	175II422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,885:80:0
563	1	112	18:42:29.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 502.47 +/-	2O0	4	0	6,004,885:90:0
564	1	112	18:42:32.400	118II11A	**SMOS**	GE		2O0	4	0	6,004,886:03:0
565	1	112	18:42:33.066	175II176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,004,886:04:0
566	1	112	18:42:33.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 508.77 +/-	2O0	4	0	6,004,886:05:0
567	1	112	18:42:33.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 508.77 +/-	2O0	4	0	6,004,886:05:0
568	1	112	18:42:47.733	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,886:26:0
569	1	112	18:42:47.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 557.99 +/-	2O0	4	0	6,004,886:26:0
570	1	112	18:42:48.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 558.99 +/-	2O0	4	0	6,004,886:27:8
571	1	112	18:42:55.733	165IJ4A	7SCAN	NORM,339.700996,	Check S/P Position	2O0	4	0	6,004,886:38:0
572	1	112	18:44:35.733	118IJ	**SMOS**	GS		2O0	4	0	6,004,888:06:0
573	1	112	18:44:59.733	118IJ110A111A4A	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,888:42:0
574	1	112	18:45:43.066	118IJ110A111A4B	7STRP	0.001,-0.00066,0	Slew =,0.51	2O0	4	0	6,004,889:16:0
575	1	112	18:45:51.733	118IJ110A111A4C	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,889:29:0
576	1	112	18:46:25.733	175IJ422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,889:80:0
577	1	112	18:46:25.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 558.99 +/-	2O0	4	0	6,004,889:80:0
578	1	112	18:46:32.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 558.99 +/-	2O0	4	0	6,004,889:90:0
579	1	112	18:46:35.066	118IJ11A	**SMOS**	GE		2O0	4	0	6,004,890:03:0
580	1	112	18:46:35.733	175IJ176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,004,890:04:0
581	1	112	18:46:36.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 565.29 +/-	2O0	4	0	6,004,890:05:0
582	1	112	18:46:36.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 565.29 +/-	2O0	4	0	6,004,890:05:0
583	1	112	18:46:50.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 614.51 +/-	2O0	4	0	6,004,890:26:0
584	1	112	18:46:50.400	175IJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,890:26:0
585	1	112	18:46:51.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 615.51 +/-	2O0	4	0	6,004,890:27:8
586	1	112	18:46:58.400	165IK4A	7SCAN	NORM,27.971,20.7	Check S/P Position	2O0	4	0	6,004,890:38:0
587	1	112	18:50:39.733	118IK	**SMOS**	GS		2O0	4	0	6,004,894:06:0
588	1	112	18:51:03.733	118IK110A111A4A	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,894:42:0
589	1	112	18:51:47.066	118IK110A111A4B	7STRP	0.001,-0.00066,0	Slew =,0.51	2O0	4	0	6,004,895:16:0
590	1	112	18:51:55.733	118IK110A111A4C	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,895:29:0
591	1	112	18:52:29.733	175IK422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,895:80:0
592	1	112	18:52:29.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 615.51 +/-	2O0	4	0	6,004,895:80:0
593	1	112	18:52:36.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 615.51 +/-	2O0	4	0	6,004,895:90:0
594	1	112	18:52:39.066	118IK11A	**SMOS**	GE		2O0	4	0	6,004,896:03:0
595	1	112	18:52:39.733	175IK176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,004,896:04:0
596	1	112	18:52:40.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 621.81 +/-	2O0	4	0	6,004,896:05:0
597	1	112	18:52:40.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 621.81 +/-	2O0	4	0	6,004,896:05:0
598	1	112	18:52:54.400	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,896:26:0
599	1	112	18:52:54.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 671.02 +/-	2O0	4	0	6,004,896:26:0
600	1	112	18:52:55.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 672.02 +/-	2O0	4	0	6,004,896:27:8
601	1	112	18:53:02.400	165IL4A	7SCAN	NORM,27.971,20.7	Check S/P Position	2O0	4	0	6,004,896:38:0
602	1	112	18:54:42.400	118IL	**SMOS**	GS		2O0	4	0	6,004,898:06:0
603	1	112	18:55:06.400	118IL110A111A4A	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,898:42:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	1	112	18:55:49.733	118IL110A111A4B	7STRP	0.001,-0.00066,0	Slew =,0.51	2O0	4	0	6,004,899:16:0	
605	1	112	18:55:58.400	118IL110A111A4C	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,899:29:0	
606	1	112	18:56:32.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 672.02 +/-	2O0	4	0	6,004,899:80:0	
607	1	112	18:56:32.400	175IL422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,899:80:0	
608	1	112	18:56:39.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 672.02 +/-	2O0	4	0	6,004,899:90:0	
609	1	112	18:56:41.733	118IL11A	**SMOS**	GE		2O0	4	0	6,004,900:03:0	
610	1	112	18:56:42.400	175IL176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,004,900:04:0	
611	1	112	18:56:43.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 678.32 +/-	2O0	4	0	6,004,900:05:0	
612	1	112	18:56:43.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 678.32 +/-	2O0	4	0	6,004,900:05:0	
613	1	112	18:56:57.066	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,900:26:0	
614	1	112	18:56:57.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 727.54 +/-	2O0	4	0	6,004,900:26:0	
615	1	112	18:56:58.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 728.54 +/-	2O0	4	0	6,004,900:27:8	
616	1	112	18:57:05.066	165IM4A	7SCAN	NORM,27.971,20.7	Check S/P Position	2O0	4	0	6,004,900:38:0	
617	1	112	18:58:45.066	118IM	**SMOS**	GS		2O0	4	0	6,004,902:06:0	
618	1	112	18:59:09.066	118IM110A111A4A	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,902:42:0	
619	1	112	18:59:52.400	118IM110A111A4B	7STRP	0.001,-0.00066,0	Slew =,0.51	2O0	4	0	6,004,903:16:0	
620	1	112	19:00:01.066	118IM110A111A4C	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,903:29:0	
621	1	112	19:00:35.066	175IM422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,903:80:0	
622	1	112	19:00:35.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 728.54 +/-	2O0	4	0	6,004,903:80:0	
623	1	112	19:00:41.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 728.54 +/-	2O0	4	0	6,004,903:90:0	
624	1	112	19:00:44.400	118IM11A	**SMOS**	GE		2O0	4	0	6,004,904:03:0	
625	1	112	19:00:45.066	175IM176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,004,904:04:0	
626	1	112	19:00:45.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 734.84 +/-	2O0	4	0	6,004,904:05:0	
627	1	112	19:00:45.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 734.84 +/-	2O0	4	0	6,004,904:05:0	
628	1	112	19:00:59.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 784.06 +/-	2O0	4	0	6,004,904:26:0	
629	1	112	19:00:59.733	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,904:26:0	
630	1	112	19:01:00.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 785.06 +/-	2O0	4	0	6,004,904:27:8	
631	1	112	19:01:07.733	165IN4A	7SCAN	NORM,27.971,20.7	Check S/P Position	2O0	4	0	6,004,904:38:0	
632	1	112	19:02:47.733	118IN	**SMOS**	GS		2O0	4	0	6,004,906:06:0	
633	1	112	19:03:11.733	118IN110A111A4A	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,906:42:0	
634	1	112	19:03:55.066	118IN110A111A4B	7STRP	0.001,-0.00066,0	Slew =,0.51	2O0	4	0	6,004,907:16:0	
635	1	112	19:04:03.733	118IN110A111A4C	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,907:29:0	
636	1	112	19:04:37.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 785.06 +/-	2O0	4	0	6,004,907:80:0	
637	1	112	19:04:37.733	175IN422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,907:80:0	
638	1	112	19:04:44.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 785.06 +/-	2O0	4	0	6,004,907:90:0	
639	1	112	19:04:47.066	118IN11A	**SMOS**	GE		2O0	4	0	6,004,908:03:0	
640	1	112	19:04:47.733	175IN176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,004,908:04:0	
641	1	112	19:04:48.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 791.36 +/-	2O0	4	0	6,004,908:05:0	
642	1	112	19:04:48.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 791.36 +/-	2O0	4	0	6,004,908:05:0	
643	1	112	19:05:02.400	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,908:26:0	
644	1	112	19:05:02.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 840.58 +/-	2O0	4	0	6,004,908:26:0	
645	1	112	19:05:03.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 841.58 +/-	2O0	4	0	6,004,908:27:8	
646	1	112	19:05:10.400	165IO4A	7SCAN	NORM,27.971,20.7	Check S/P Position	2O0	4	0	6,004,908:38:0	
647	1	112	19:06:50.400	118IO	**SMOS**	GS		2O0	4	0	6,004,910:06:0	
648	1	112	19:07:14.400	118IO110A111A4A	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,910:42:0	
649	1	112	19:07:57.733	118IO110A111A4B	7STRP	0.001,-0.00066,0	Slew =,0.51	2O0	4	0	6,004,911:16:0	
650	1	112	19:08:06.400	118IO110A111A4C	7STRP	-0.0002,0.0,26,0	Slew =,0.21	2O0	4	0	6,004,911:29:0	
651	1	112	19:08:38.400	175IO422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,911:77:0	
652	1	112	19:08:38.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 841.58 +/-	2O0	4	0	6,004,911:77:0	
653	1	112	19:08:45.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 841.58 +/-	2O0	4	0	6,004,911:87:0	
654	1	112	19:08:48.400	175IO176A6A	6TMREC	**HIS**	115.2 KBPS SSI + NIMS RECORD Record Mode	2O0	4	0	6,004,912:01:0	
655	1	112	19:08:49.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 847.88 +/-	2O0	4	0	6,004,912:02:0	
656	1	112	19:08:49.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 847.88 +/-	2O0	4	0	6,004,912:02:0	
657	1	112	19:08:49.733	118IO11A	**SMOS**	GE		2O0	4	0	6,004,912:03:0	
658	1	112	19:08:56.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 873.66 +/-	2O0	4	0	6,004,912:13:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	1	112	19:08:56.400	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,912:13:0	
660	1	112	19:08:57.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 874.66 +/-	2O0	4	0	6,004,912:14:8	
661	1	112	19:11:46.400	175IP422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,914:86:0	
662	1	112	19:11:46.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 874.66 +/-	2O0	4	0	6,004,914:86:0	
663	1	112	19:11:53.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 874.66 +/-	2O0	4	0	6,004,915:05:0	
664	1	112	19:11:56.400	175IP176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2O0	4	0	6,004,915:10:0	
665	1	112	19:11:57.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 880.96 +/-	2O0	4	0	6,004,915:11:0	
666	1	112	19:11:57.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 880.96 +/-	2O0	4	0	6,004,915:11:0	
667	1	112	19:14:52.400	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,918:01:0	
668	1	112	19:14:52.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1497.37 +/-	2O0	4	0	6,004,918:01:0	
669	1	112	19:14:53.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1498.37 +/-	2O0	4	0	6,004,918:02:8	
670	1	112	19:17:16.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1498.37 +/-	2O0	4	0	6,004,920:35:0	
671	1	112	19:17:16.400	175IQ422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,920:35:0	
672	1	112	19:17:23.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1498.37 +/-	2O0	4	0	6,004,920:45:0	
673	1	112	19:17:26.400	175IQ176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,004,920:50:0	
674	1	112	19:17:27.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1504.67 +/-	2O0	4	0	6,004,920:51:0	
675	1	112	19:17:27.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1504.67 +/- 1	2O0	4	0	6,004,920:51:0	
676	1	112	19:18:24.400	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,921:46:0	
677	1	112	19:18:24.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1706.23 +/- 1	2O0	4	0	6,004,921:46:0	
678	1	112	19:18:25.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1707.23 +/- 1	2O0	4	0	6,004,921:47:8	
679	1	112	19:18:47.066	175JQ422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,921:80:0	
680	1	112	19:18:47.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1707.23 +/- 1	2O0	4	0	6,004,921:80:0	
681	1	112	19:18:53.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1707.23 +/- 1	2O0	4	0	6,004,921:90:0	
682	1	112	19:18:57.066	175JQ176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,004,922:04:0	
683	1	112	19:18:57.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1713.53 +/- 1	2O0	4	0	6,004,922:05:0	
684	1	112	19:18:57.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1713.53 +/- 1	2O0	4	0	6,004,922:05:0	
685	1	112	19:19:25.066	175JQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,922:46:0	
686	1	112	19:19:25.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1809.62 +/- 1	2O0	4	0	6,004,922:46:0	
687	1	112	19:19:26.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1810.62 +/- 1	2O0	4	0	6,004,922:47:8	
688	1	112	19:21:01.733	175IR422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,924:09:0	
689	1	112	19:21:01.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1810.62 +/- 1	2O0	4	0	6,004,924:09:0	
690	1	112	19:21:08.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1810.62 +/- 1	2O0	4	0	6,004,924:19:0	
691	1	112	19:21:11.733	175IR176A6A	6TMREC	**HIS**	115.2 KBPS SSI + NIMS RECORD Record Mode	2O0	4	0	6,004,924:24:0	
692	1	112	19:21:12.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1816.92 +/- 1	2O0	4	0	6,004,924:25:0	
693	1	112	19:21:12.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1816.92 +/- 1	2O0	4	0	6,004,924:25:0	
694	1	112	19:22:27.066	175IR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,925:46:0	
695	1	112	19:22:27.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2079.42 +/- 1	2O0	4	0	6,004,925:46:0	
696	1	112	19:22:28.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2080.42 +/- 1	2O0	4	0	6,004,925:47:8	
697	1	112	19:22:33.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2080.42 +/- 1	2O0	4	0	6,004,925:55:0	
698	1	112	19:22:33.066	175JR422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,925:55:0	
699	1	112	19:22:39.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2080.42 +/- 1	2O0	4	0	6,004,925:65:0	
700	1	112	19:22:43.066	175JR176A6A	6TMREC	**HIS**	115.2 KBPS SSI + NIMS RECORD Record Mode	2O0	4	0	6,004,925:70:0	
701	1	112	19:22:43.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2086.72 +/- 1	2O0	4	0	6,004,925:71:0	
702	1	112	19:22:43.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2086.72 +/- 1	2O0	4	0	6,004,925:71:0	
703	1	112	19:22:57.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2135.94 +/- 1	2O0	4	0	6,004,926:01:0	
704	1	112	19:22:57.733	175JR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,926:01:0	
705	1	112	19:22:58.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2136.94 +/- 1	2O0	4	0	6,004,926:02:8	
706	1	112	19:23:49.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2136.94 +/- 1	2O0	4	0	6,004,926:78:0	
707	1	112	19:23:49.066	175IS422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,004,926:78:0	
708	1	112	19:23:55.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2136.94 +/- 1	2O0	4	0	6,004,926:88:0	
709	1	112	19:23:59.066	175IS176A6A	6TMREC	**HCA**	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2O0	4	0	6,004,927:02:0	
710	1	112	19:23:59.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2143.24 +/- 1	2O0	4	0	6,004,927:03:0	
711	1	112	19:23:59.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2143.24 +/- 1	2O0	4	0	6,004,927:03:0	
712	1	112	19:24:06.400	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,927:13:0	
713	1	112	19:24:06.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2166.68 +/- 1	2O0	4	0	6,004,927:13:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
714	1	112	19:24:07.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2167.68 +/- 1	2O0	4	0	6,004,927:14:8
715	1	112	19:26:23.733	175IT422A6A	6DMSC	R806,1	DMS Control	2O0	4	0	6,004,929:37:0
716	1	112	19:26:23.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2167.68 +/- 1	2O0	4	0	6,004,929:37:0
717	1	112	19:26:30.400		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 2167.68 +/- 1	2O0	4	0	6,004,929:47:0
718	1	112	19:26:35.066	175IT176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2O0	4	0	6,004,929:54:0
719	1	112	19:26:35.666		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 2233.68 +/- 1	2O0	4	0	6,004,929:54:9
720	1	112	19:26:35.666		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *2233.68 +/- 1	2O0	4	0	6,004,929:54:9
721	1	112	19:26:59.733	176IT6A	6TMREC	**AI8**	806.4 KBPS SSI RECORD Record Mode Change	2O0	4	0	6,004,930:00:0
722	1	112	19:27:04.400	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,004,930:07:0
723	1	112	19:27:04.400		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *2940.79 +/- 1	2O0	4	0	6,004,930:07:0
724	1	112	19:27:07.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2952.29 +/- 1	2O0	4	0	6,004,930:11:1
725	**1**	**112**	**20:01:21.700**	**29HNSTRCAL01-**		**-----START------**		**2O0**	**4**	**0**	**: :**
726	1	112	20:01:21.733	165DA4A	**7SCAN**	**NORM,100.693999,**	**Check S/P Position**	2O0	4	0	6,004,963:90:0
727	**1**	**112**	**20:02:08.400**	**20DA5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,004,964:69:0**
728	**1**	**112**	**20:02:15.733**	**20DA5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,004,964:80:0**
729	**1**	**112**	**20:02:23.733**	**20DA6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,004,965:01:0**
730	**1**	**112**	**20:02:33.733**	**20DA6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,004,965:16:0**
731	**1**	**112**	**20:02:43.733**	**20DA5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,004,965:31:0**
732	**1**	**112**	**20:02:45.066**	**20DA5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,004,965:33:0**
733	**1**	**112**	**20:03:16.400**	**20DA4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,004,965:80:0**
734	**1**	**112**	**20:05:20.400**	**125DA4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**6,004,967:84:0**
735	1	112	20:05:20.400	125DA11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	6,004,967:84:0
736	1	112	20:05:20.400	125DA	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	6,004,967:84:0
737	**1**	**112**	**20:06:21.066**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**6,004,968:84:0**
738	1	112	20:06:21.066	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	6,004,968:84:0
739	**1**	**112**	**20:06:21.733**	**127DA4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**6,004,968:85:0**
740	1	112	20:06:29.733	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	6,004,969:06:0
741	1	112	20:07:13.066	175DA422A6A	6DMSC	R28,1	DMS Control	4R3	4	0	6,004,969:71:0
742	1	112	20:07:13.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2952.29 +/- 1	4R3	4	0	6,004,969:71:0
743	1	112	20:07:17.066	117DA	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	6,004,969:77:0
744	1	112	20:07:19.733		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 2952.29 +/- 1	4R3	4	0	6,004,969:81:0
745	1	112	20:07:23.066	175DA176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	6,004,969:86:0
746	1	112	20:07:23.733		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *2953.79 +/- 1	4R3	4	0	6,004,969:87:0
747	1	112	20:07:23.733		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 2953.79 +/- 1	4R3	4	0	6,004,969:87:0
748	1	112	20:07:26.400	117DA105A106A4A	**7STRP**	**-0.0017,0.0,0,0,**	**Slew =,0.03**	4R3	4	0	6,004,970:00:0
749	1	112	20:08:25.733	117DA105A106A4B	**7STRP**	**0.00167,0.0,0,0,**	**Slew =12.01**	4R3	4	0	6,004,970:89:0
750	1	112	20:08:32.400	117DA105A106A4C	**7STRP**	**-0.0017,0.0,0,0,**	**Slew =,0.03**	4R3	4	0	6,004,971:08:0
751	1	112	20:09:31.733	117DA105A106A4D	**7STRP**	**0.00167,0.0,0,0,**	**Slew =12.01**	4R3	4	0	6,004,972:06:0
752	1	112	20:09:38.400	117DA105A106A4E	**7STRP**	**-0.0017,0.0,0,0,**	**Slew =,0.03**	4R3	4	0	6,004,972:16:0
753	1	112	20:10:37.733	117DA105A106A4F	**7STRP**	**0.00167,0.0,0,0,**	**Slew =12.01**	4R3	4	0	6,004,973:14:0
754	1	112	20:10:44.400	117DA105A106A4G	**7STRP**	**-0.0017,0.0,0,0,**	**Slew =,0.03**	4R3	4	0	6,004,973:24:0
755	1	112	20:11:43.733	117DA105A106A4H	**7STRP**	**0.00167,0.0,0,0,**	**Slew =12.01**	4R3	4	0	6,004,974:22:0
756	1	112	20:11:50.400	117DA105A106A4I	**7STRP**	**-0.0017,0.0,0,0,**	**Slew =,0.03**	4R3	4	0	6,004,974:32:0
757	1	112	20:12:49.733	117DA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	6,004,975:30:0
758	1	112	20:13:23.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *3270.20 +/- 1	4R3	4	0	6,004,975:81:0
759	1	112	20:13:23.733	175DA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,004,975:81:0
760	1	112	20:13:24.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3270.50 +/- 1	4R3	4	0	6,004,975:82:8
761	**1**	**112**	**20:13:29.100**	**29HNSTRCAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
762	**1**	**112**	**20:17:37.000**	**29HNDRKCAL01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
763	**1**	**112**	**20:18:19.066**	**20DB5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,004,980:69:0**
764	**1**	**112**	**20:18:26.400**	**20DB5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,004,980:80:0**
765	**1**	**112**	**20:18:34.400**	**20DB6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,004,981:01:0**
766	**1**	**112**	**20:18:44.400**	**20DB6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,004,981:16:0**
767	**1**	**112**	**20:18:54.400**	**20DB5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,004,981:31:0**
768	**1**	**112**	**20:18:55.733**	**20DB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,004,981:33:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	1	112	20:19:27.066	20DB4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,004,981:80:0	
770	1	112	20:20:30.400	125DB	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	6,004,982:84:0	
771	1	112	20:20:30.400	125DB11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	6,004,982:84:0	
772	1	112	20:20:30.400	125DB4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	6,004,982:84:0	
773	1	112	20:20:34.400	165DB4A	7SCAN	NORM,99.947,-16.	Check S/P Position	2R0	4	0	6,004,982:90:0	
774	1	112	20:21:31.066	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	6,004,983:84:0	
775	1	112	20:21:31.066	127DB4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	6,004,983:84:0	
776	1	112	20:21:31.733	127DB4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	6,004,983:85:0	
777	1	112	20:21:39.733	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,004,984:06:0	
778	1	112	20:24:24.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3270.50 +/- 1	2R3	4	0	6,004,986:71:0	
779	1	112	20:24:24.400	175DB422A6A	6DMSC	R28,1	DMS Control	2R3	4	0	6,004,986:71:0	
780	1	112	20:24:31.066		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 3270.50 +/- 1	2R3	4	0	6,004,986:81:0	
781	1	112	20:24:34.400	175DB176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	6,004,986:86:0	
782	1	112	20:24:35.066		DMS:	: *RECORD	R28, TRACK 1, FWD, TIC *3272.00 +/- 1	2R3	4	0	6,004,986:87:0	
783	1	112	20:24:35.066		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 3272.00 +/- 1	2R3	4	0	6,004,986:87:0	
784	1	112	20:25:33.733	125ED	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	6,004,987:84:0	
785	1	112	20:25:33.733	125ED4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R3	4	0	6,004,987:84:0	
786	1	112	20:25:33.733	125ED11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	6,004,987:84:0	
787	1	112	20:26:34.400	125EF4A	37IST	0,2,0,OFF,0,1,2	Gain State 3	3R3	4	0	6,004,988:84:0	
788	1	112	20:26:34.400	125EF	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	6,004,988:84:0	
789	1	112	20:26:34.400	125EF11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	6,004,988:84:0	
790	1	112	20:27:35.066	125EG4A	37IST	0,2,0,OFF,0,1,3	Gain State 1	1R3	4	0	6,004,989:84:0	
791	1	112	20:27:35.066	125EG11A	NIMSINIT	GE	##### GROUP END INIT	1R3	4	0	6,004,989:84:0	
792	1	112	20:27:35.066	125EG	NIMSINIT	GS	##### GROUP START INIT	1R3	4	0	6,004,989:84:0	
793	1	112	20:30:35.066	175DB422A6B	6DMSC	RDY,0	DMS Control Tape stop	1R3	4	0	6,004,992:81:0	
794	1	112	20:30:35.066		DMS:	: *RUNDOWN	R28, TRACK 1, FWD, TIC *3588.40 +/- 1	1R3	4	0	6,004,992:81:0	
795	1	112	20:30:36.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3588.70 +/- 1	1R3	4	0	6,004,992:82:8	
796	1	112	20:30:40.500	29HNDRKCAL01-		-----STOP-------		1R3	4	0	: :	
797	1	112	20:55:13.066	488DC6C	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	1R3	4	0	6,005,017:23:0	
798	1	112	21:14:59.733	444SN443A4A	7MODE	CRU	AACS CRUISE MODE	1R3	4	0	6,005,036:74:0	
799	1	112	21:28:52.400	488DD6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1R3	4	0	6,005,050:49:0	
800	1	113	02:44:49.066	488DD6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1R3	4	0	6,005,363:01:0	
801	1	113	03:29:37.066	488DE6A	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	1R3	4	0	6,005,407:29:0	
802	1	113	03:29:51.733	488DE6B	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	1R3	4	0	6,005,407:51:0	
803	1	113	03:46:41.066	488DE6C	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	1R3	4	0	6,005,424:18:0	
804	1	113	04:05:45.733	29NNRCTCAL01-		-----START------		1R3	4	0	: :	
805	1	113	04:05:45.733	20XE4A	7SAFE	UNSTOW	S/P TO 153 deg cone	1R3	4	0	6,005,443:06:0	
806	1	113	04:09:52.400	20FA4A	7SAFE	STOP	S/P NO MOVEMENT	1R3	4	0	6,005,447:12:0	
807	1	113	04:10:42.400	20FA4B	7SLEW	DIS,POS,0.0	Stator movement	1R3	4	0	6,005,447:87:0	
808	1	113	04:13:47.066	185XE10A3A	40HRP	1	RCT Heater ON (primary relay)	1R3	4	0	6,005,451:00:0	
809	1	113	04:13:52.400	185XE10B3A	40HRP	2	RCT Heater ON (primary relay)	1R3	4	0	6,005,451:08:0	
810	1	113	15:26:44.400	488DF6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1R3	4	0	6,006,116:51:0	
811	1	113	16:05:21.733	20DC5A	37PL		Program Load (halts microprocessor & unwri		4	0	6,006,154:69:0	
812	1	113	16:05:29.066	20DC5B	37MRL		Memory Realocate (software operates from R		4	0	6,006,154:80:0	
813	1	113	16:05:37.066	20DC6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	6,006,155:01:0	
814	1	113	16:05:47.066	20DC6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	6,006,155:16:0	
815	1	113	16:05:57.066	20DC5C	37IRT		Instrument Reset (goes into POR state)		4	0	6,006,155:31:0	
816	1	113	16:05:58.400	20DC5D	37MN		Memory Normal (software operates from ROM)	260	4	0	6,006,155:33:0	
817	1	113	16:06:29.733	20DC4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,006,155:80:0	
818	1	113	16:07:30.400	20DC4B	37IST	0,2,0,OFF,0,1,3	Gain State 1	1R0	4	0	6,006,156:80:0	
819	1	113	16:13:37.066	127XE	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	6,006,162:84:0	
820	1	113	16:13:37.066	127XE4A	37IOP	3,0	Long Map, Grating Start Position =00	1R3	4	0	6,006,162:84:0	
821	1	113	16:13:37.733	127XE4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	1R3	4	0	6,006,162:85:0	
822	1	113	16:13:45.733	127XE11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	6,006,163:06:0	
823	1	113	16:19:47.733	20UT4A	7SCAN	NORM,76.39,22.39	Check S/P Position	1R3	4	0	6,006,169:03:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	1	113	16:23:48.400	192XE4A	**7CONE**	**17.0,119.7**	Check S/P Position	1R3	4	0	6,006,173:00:0	
825	1	113	16:29:52.400	192XE4B	**7CONE**	**17.0,0.0**	Check S/P Position	1R3	4	0	6,006,179:00:0	
826	1	113	16:32:41.066	175XF422A6A	6DMSC	R28,1	DMS Control	1R3	4	0	6,006,181:71:0	
827	1	113	16:32:41.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3588.70 +/- 1	1R3	4	0	6,006,181:71:0	
828	1	113	16:32:47.733		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 3588.70 +/- 1	1R3	4	0	6,006,181:81:0	
829	1	113	16:32:51.066	175XF176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	1R3	4	0	6,006,181:86:0	
830	1	113	16:32:51.733		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *3590.20 +/- 1	1R3	4	0	6,006,181:87:0	
831	1	113	16:32:51.733		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 3590.20 +/- 1	1R3	4	0	6,006,181:87:0	
832	**1**	**113**	**16:37:57.733**	**185XE10C3A**	**40HRPR**	**1**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**6,006,187:00:0**	
833	**1**	**113**	**16:38:03.066**	**185XE10D3A**	**40HRPR**	**2**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**6,006,187:08:0**	
834	1	113	16:42:58.400		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *4123.41 +/- 1	1R3	4	0	6,006,191:87:0	
835	1	113	16:42:58.400	175XF422A6B	6DMSC	RDY,0	DMS Control Tape stop	1R3	4	0	6,006,191:87:0	
836	1	113	16:42:59.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4123.71 +/- 1	1R3	4	0	6,006,191:88:8	
837	1	113	16:43:01.066	192XE4C	**7CONE**	**17.0,153.0**	Check S/P Position	1R3	4	0	6,006,192:00:0	
838	1	113	16:49:00.400	127XF	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	6,006,197:84:0	
839	**1**	**113**	**16:49:00.400**	**127XF4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**6,006,197:84:0**	
840	**1**	**113**	**16:49:01.066**	**127XF4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**1R0**	**4**	**0**	**6,006,197:85:0**	
841	1	113	16:49:09.066	127XF11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R0	4	0	6,006,198:06:0	
842	1	113	16:52:02.400	125XF	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	6,006,200:84:0	
843	**1**	**113**	**16:52:02.400**	**125XF4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**6,006,200:84:0**	
844	**1**	**113**	**16:53:03.066**	**125XF4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**6,006,201:84:0**	
845	**1**	**113**	**16:54:03.733**	**125XF4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**6,006,202:84:0**	
846	1	113	16:54:03.733	125XF11A	NIMSINIT	GE	##### GROUP END INIT	1O0	4	0	6,006,202:84:0	
847	**1**	**113**	**16:54:12.400**	**29NNRCTCAL01-**		**-----STOP-------**		**1O0**	**4**	**0**	**: :**	
848	1	113	17:00:17.066	488DF6B	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,006,209:07:0	
849	1	113	17:01:12.400	165JA4A	7SCAN	NORM,43.823,13.1	Check S/P Position	1O0	4	0	6,006,209:90:0	
850	1	113	17:33:25.066	444WA443A4B	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,006,241:77:0	
851	1	113	17:33:56.400	488DF6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,006,242:33:0	
852	1	113	18:23:06.400	165IA4A	7SCAN	NORM,43.556,13.1	Check S/P Position	1O0	4	0	6,006,290:90:0	
853	1	113	18:25:12.400	118IA	**SMOS**	GS		1O0	4	0	6,006,293:06:0	
854	1	113	18:25:37.066	118IA110A111A4A	7STRP	0.00406,0.0,92,0	Slew =,2.03	1O0	4	0	6,006,293:43:0	
855	1	113	18:26:01.733	175IA422A6A	6DMSC	R115,1	DMS Control	1O0	4	0	6,006,293:80:0	
856	1	113	18:26:01.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4123.71 +/- 1	1O0	4	0	6,006,293:80:0	
857	1	113	18:26:07.733	118IA11A	**SMOS**	GE		1O0	4	0	6,006,293:89:0	
858	1	113	18:26:08.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4123.71 +/- 1	1O0	4	0	6,006,293:90:0	
859	1	113	18:26:11.733	175IA176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	1O0	4	0	6,006,294:04:0	
860	1	113	18:26:12.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4130.01 +/- 1	1O0	4	0	6,006,294:05:0	
861	1	113	18:26:12.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4130.01 +/- 1	1O0	4	0	6,006,294:05:0	
862	1	113	18:26:15.733	165IB4A	7SCAN	NORM,43.556,13.1	Check S/P Position	1O0	4	0	6,006,294:10:0	
863	1	113	18:26:29.066	175IA422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,006,294:30:0	
864	1	113	18:26:29.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4188.60 +/- 1	1O0	4	0	6,006,294:30:0	
865	1	113	18:26:30.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4189.60 +/- 1	1O0	4	0	6,006,294:31:8	
866	1	113	18:28:14.400	118IB	**SMOS**	GS		1O0	4	0	6,006,296:06:0	
867	1	113	18:29:08.400	118IB110A111A4A	7STRP	0.00406,0.0,182,	Slew =,2.03	1O0	4	0	6,006,296:87:0	
868	1	113	18:30:08.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4189.60 +/- 1	1O0	4	0	6,006,297:86:0	
869	1	113	18:30:08.400	175IB422A6A	6DMSC	R115,1	DMS Control	1O0	4	0	6,006,297:86:0	
870	1	113	18:30:09.066	118IB11A	**SMOS**	GE		1O0	4	0	6,006,297:87:0	
871	1	113	18:30:15.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4189.60 +/- 1	1O0	4	0	6,006,298:05:0	
872	1	113	18:30:18.400	175IB176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	6,006,298:10:0	
873	1	113	18:30:18.400	165IC4A	7SCAN	NORM,43.556,13.1	Check S/P Position	1O0	4	0	6,006,298:10:0	
874	1	113	18:30:19.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4195.90 +/- 2	1O0	4	0	6,006,298:11:0	
875	1	113	18:30:19.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4195.90 +/- 1	1O0	4	0	6,006,298:11:0	
876	1	113	18:30:35.733	175IB422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,006,298:36:0	
877	1	113	18:30:35.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4254.49 +/- 2	1O0	4	0	6,006,298:36:0	
878	1	113	18:30:36.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4255.49 +/- 2	1O0	4	0	6,006,298:37:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	1	113	18:32:17.066	118IC	**SMOS**	GS		1O0	4	0	6,006,300:06:0	
880	1	113	18:33:11.066	118IC110A111A4A	7STRP	0.00406,0.0,182,	Slew =,2.03	1O0	4	0	6,006,300:87:0	
881	1	113	18:34:11.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4255.49 +/- 2	1O0	4	0	6,006,301:86:0	
882	1	113	18:34:11.066	175IC422A6A	6DMSC	R115,1	DMS Control	1O0	4	0	6,006,301:86:0	
883	1	113	18:34:11.733	118IC11A	**SMOS**	GE		1O0	4	0	6,006,301:87:0	
884	1	113	18:34:17.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4255.49 +/- 2	1O0	4	0	6,006,302:05:0	
885	1	113	18:34:21.066	175IC176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	6,006,302:10:0	
886	1	113	18:34:21.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4261.79 +/- 2	1O0	4	0	6,006,302:11:0	
887	1	113	18:34:21.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4261.79 +/- 2	1O0	4	0	6,006,302:11:0	
888	1	113	18:34:38.400	175IC422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,006,302:36:0	
889	1	113	18:34:38.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4320.39 +/- 2	1O0	4	0	6,006,302:36:0	
890	1	113	18:34:39.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4321.39 +/- 2	1O0	4	0	6,006,302:37:8	
891	1	113	18:40:33.066	488DF6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	6,006,308:22:0	
892	1	113	18:53:21.066	488DF6E	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	1O0	4	0	6,006,320:82:0	
893	1	113	18:59:59.733	444WB443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,006,327:43:0	
894	1	113	19:02:47.733	20KA4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,006,330:22:0	
895	**1**	**113**	**19:15:59.700**	**29NNSCITRN01-**		**-----START------**		**1O0**	**4**	**0**	**: :**	
896	1	113	19:15:59.733	20UC4C	7STAT	10.00,256.39,-22	Stator inertial point	1O0	4	0	6,006,343:27:0	
897	1	113	19:16:11.733	20UC6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	1O0	4	0	6,006,343:45:0	
898	1	113	19:35:01.733	490UC412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,006,362:11:0	
899	1	113	19:39:59.733	490UC412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,006,367:03:0	
900	1	113	19:40:19.733	20UC4D	7STAT	17.45,256.39,-22	Stator inertial point	1O0	4	0	6,006,367:33:0	
901	1	113	19:40:51.066	488DG6A	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	1O0	4	0	6,006,367:80:0	
902	1	113	19:44:09.733	490UC412A4E	7VECT		Inert vect update UTC	1O0	4	0	6,006,371:14:0	
903	1	113	19:44:13.733	490UC412A4F	7TURN	2,RTH	ALERT Thruster	1O0	4	0	6,006,371:20:0	
904	1	113	19:44:33.066	488DG6B	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	1O0	4	0	6,006,371:49:0	
905	1	113	19:48:01.733	490UC412A406A4A	7STAR	1,497,343.73	Star catalog update	1O0	4	0	6,006,374:89:0	
906	1	113	19:48:03.733	490UC412A406A4B	7STAR	2,356,206.39	Star catalog update	1O0	4	0	6,006,375:01:0	
907	1	113	19:48:05.733	490UC412A406A4C	7STAR	3,477,309.93	Star catalog update	1O0	4	0	6,006,375:04:0	
908	1	113	19:48:07.733	490UC412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	1O0	4	0	6,006,375:07:0	
909	1	113	19:48:09.733	490UC412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	1O0	4	0	6,006,375:10:0	
910	1	113	19:48:11.733	490UC412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	1O0	4	0	6,006,375:13:0	
911	1	113	19:58:05.733	20UC4F	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,006,384:85:0	
912	1	113	19:59:59.733	488DG6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	6,006,386:74:0	
913	1	113	20:06:09.733	490UC412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,006,392:83:0	
914	**1**	**113**	**20:06:09.800**	**29NNSCITRN01-**		**-----STOP-------**		**1O0**	**4**	**0**	**: :**	
915	1	113	20:20:49.066	488DG6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,006,407:37:0	
916	1	113	21:18:02.400	488DG6E	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	6,006,464:00:0	
917	1	113	22:26:54.400	444FB443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,006,532:10:0	
918	1	113	22:30:54.400	444FB443A4B	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	1O0	4	0	6,006,536:06:0	
919	**1**	**113**	**22:39:41.700**	**29NNPCTCAL01-**		**-----START------**		**1O0**	**4**	**0**	**: :**	
920	**1**	**113**	**22:39:41.733**	**20DD5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,006,544:69:0**	
921	**1**	**113**	**22:39:49.066**	**20DD5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,006,544:80:0**	
922	1	113	22:39:54.400	444FB443A4C	**7CLK**	**17.45,0.0**	Check S/P Position		4	0	6,006,544:88:0	
923	**1**	**113**	**22:39:57.066**	**20DD6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,006,545:01:0**	
924	**1**	**113**	**22:40:07.066**	**20DD6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,006,545:16:0**	
925	**1**	**113**	**22:40:17.066**	**20DD5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,006,545:31:0**	
926	**1**	**113**	**22:40:18.400**	**20DD5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,006,545:33:0**	
927	**1**	**113**	**22:40:49.733**	**20DD4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,006,545:80:0**	
928	**1**	**113**	**22:44:55.066**	**125FB4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**6,006,549:84:0**	
929	1	113	22:44:55.066	125FB	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	6,006,549:84:0	
930	1	113	22:44:55.066	125FB11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	6,006,549:84:0	
931	1	113	22:47:57.066	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	6,006,552:84:0	
932	**1**	**113**	**22:47:57.066**	**127FB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**6,006,552:84:0**	
933	**1**	**113**	**22:47:57.733**	**127FB4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**6,006,552:85:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	1	113	22:48:05.733	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	6,006,553:06:0	
935	1	113	22:48:13.733	488DH6A	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	4R3	4	0	6,006,553:18:0	
936	1	113	22:48:49.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4321.39 +/- 2	4R3	4	0	6,006,553:71:0	
937	1	113	22:48:49.066	175EA422A6A	6DMSC	R28,1	DMS Control	4R3	4	0	6,006,553:71:0	
938	1	113	22:48:55.733		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 4321.39 +/- 2	4R3	4	0	6,006,553:81:0	
939	1	113	22:48:59.066	175EA176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	6,006,553:86:0	
940	1	113	22:48:59.733		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 4322.89 +/- 2	4R3	4	0	6,006,553:87:0	
941	1	113	22:48:59.733		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *4322.89 +/- 2	4R3	4	0	6,006,553:87:0	
942	1	113	22:51:01.066	175EA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,555:87:0	
943	1	113	22:51:01.066		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *4429.53 +/- 2	4R3	4	0	6,006,555:87:0	
944	1	113	22:51:02.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4429.83 +/- 2	4R3	4	0	6,006,555:88:8	
945	1	113	22:51:03.733	192FC4A	**7CONE**	**17.0,54.88**	Check S/P Position	4R3	4	0	6,006,556:00:0	
946	1	113	22:51:04.400	192FC4B	**7CLK**	**17.0,244.07**	Check S/P Position	4R3	4	0	6,006,556:01:0	
947	1	113	22:54:53.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4429.83 +/- 2	4R3	4	0	6,006,559:71:0	
948	1	113	22:54:53.066	175EB422A6A	6DMSC	R28,1	DMS Control	4R3	4	0	6,006,559:71:0	
949	1	113	22:54:59.733		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 4429.83 +/- 2	4R3	4	0	6,006,559:81:0	
950	1	113	22:55:03.066	175EB176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	6,006,559:86:0	
951	1	113	22:55:03.733		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *4431.33 +/- 2	4R3	4	0	6,006,559:87:0	
952	1	113	22:55:03.733		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 4431.33 +/- 2	4R3	4	0	6,006,559:87:0	
953	1	113	23:05:10.400		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *4964.53 +/- 2	4R3	4	0	6,006,569:87:0	
954	1	113	23:05:10.400	175EB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,569:87:0	
955	1	113	23:05:11.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4964.83 +/- 2	4R3	4	0	6,006,569:88:8	
956	1	113	23:14:19.066	192IU4A	**7CONE**	**8.0,60.36**	Check S/P Position	4R3	4	0	6,006,579:00:0	
957	1	113	23:14:19.733	192IU4B	**7CLK**	**8.0,243.619999**	Check S/P Position	4R3	4	0	6,006,579:01:0	
958	1	113	23:19:19.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4964.83 +/- 2	4R3	4	0	6,006,583:86:0	
959	1	113	23:19:19.066	175IU422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	6,006,583:86:0	
960	1	113	23:19:25.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4964.83 +/- 2	4R3	4	0	6,006,584:05:0	
961	1	113	23:19:29.066	175IU176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	6,006,584:10:0	
962	1	113	23:19:29.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4971.13 +/- 2	4R3	4	0	6,006,584:11:0	
963	1	113	23:19:29.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4971.13 +/- 2	4R3	4	0	6,006,584:11:0	
964	1	113	23:22:25.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5587.54 +/- 2	4R3	4	0	6,006,587:01:0	
965	1	113	23:22:25.066	175IU422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,587:01:0	
966	1	113	23:22:26.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5588.54 +/- 2	4R3	4	0	6,006,587:02:8	
967	1	113	23:24:22.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5588.54 +/- 2	4R3	4	0	6,006,588:86:0	
968	1	113	23:24:22.400	175JU422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	6,006,588:86:0	
969	1	113	23:24:29.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5588.54 +/- 2	4R3	4	0	6,006,589:05:0	
970	1	113	23:24:32.400	175JU176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	6,006,589:10:0	
971	1	113	23:24:33.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5594.84 +/- 2	4R3	4	0	6,006,589:11:0	
972	1	113	23:24:33.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5594.84 +/- 2	4R3	4	0	6,006,589:11:0	
973	1	113	23:25:17.733	488DH6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4R3	4	0	6,006,589:78:0	
974	1	113	23:25:27.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5784.68 +/- 2	4R3	4	0	6,006,590:01:0	
975	1	113	23:25:27.066	175JU422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,590:01:0	
976	1	113	23:25:28.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5785.68 +/- 2	4R3	4	0	6,006,590:02:8	
977	1	113	23:25:50.400		DMS:	: READY	RDY, TRACK *2, *REV, TIC 5785.68 +/- 2	4R3	4	0	6,006,590:36:0	
978	1	113	23:25:50.400	465KC6A	6DMSC	RDY,2	DMS Control Tape stop	4R3	4	0	6,006,590:36:0	
979	1	113	23:27:23.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5785.68 +/- 2	4R3	4	0	6,006,591:84:0	
980	1	113	23:27:23.066	175IV422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	6,006,591:84:0	
981	1	113	23:27:24.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5785.80 +/- 2	4R3	4	0	6,006,591:86:1	
982	1	113	23:27:29.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5787.03 +/- 2	4R3	4	0	6,006,592:03:0	
983	1	113	23:27:30.933		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5787.09 +/- 2	4R3	4	0	6,006,592:04:8	
984	1	113	23:27:34.400	175IV176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	6,006,592:10:0	
985	1	113	23:27:34.933		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5780.79 +/- 2	4R3	4	0	6,006,592:10:8	
986	1	113	23:27:34.933		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5780.79 +/- 2	4R3	4	0	6,006,592:10:8	
987	1	113	23:28:29.066	175IV422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,593:01:0	
988	1	113	23:28:29.066		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5590.48 +/- 2	4R3	4	0	6,006,593:01:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
989	1	113	23:28:30.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5589.48 +/- 2	4R3	4	0	6,006,593:02:8
990	1	113	23:29:29.066	192IU4C	**7CONE**	**8.0,153.0**	Check S/P Position	4R3	4	0	6,006,594:00:0
991	1	113	23:29:29.733	192IU4D	**7CLK**	**8.0,300.0**	Check S/P Position	4R3	4	0	6,006,594:01:0
992	1	113	23:30:25.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5589.48 +/- 2	4R3	4	0	6,006,594:84:0
993	1	113	23:30:25.066	175JV422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	6,006,594:84:0
994	1	113	23:30:26.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5589.60 +/- 2	4R3	4	0	6,006,594:86:1
995	1	113	23:30:31.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5590.84 +/- 2	4R3	4	0	6,006,595:03:0
996	1	113	23:30:32.933		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5590.90 +/- 2	4R3	4	0	6,006,595:04:8
997	1	113	23:30:36.400	175JV176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	6,006,595:10:0
998	1	113	23:30:36.933		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5584.60 +/- 2	4R3	4	0	6,006,595:10:8
999	1	113	23:30:36.933		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5584.60 +/- 2	4R3	4	0	6,006,595:10:8
1000	1	113	23:31:31.066	175JV422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,596:01:0
1001	1	113	23:31:31.066		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5394.28 +/- 2	4R3	4	0	6,006,596:01:0
1002	1	113	23:31:32.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5393.28 +/- 2	4R3	4	0	6,006,596:02:8
1003	1	113	23:33:27.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5393.28 +/- 2	4R3	4	0	6,006,597:84:0
1004	1	113	23:33:27.066	175IW422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	6,006,597:84:0
1005	1	113	23:33:28.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5393.40 +/- 2	4R3	4	0	6,006,597:86:1
1006	1	113	23:33:33.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5394.64 +/- 2	4R3	4	0	6,006,598:03:0
1007	1	113	23:33:34.933		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5394.70 +/- 2	4R3	4	0	6,006,598:04:8
1008	1	113	23:33:38.400	175IW176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	6,006,598:10:0
1009	1	113	23:33:38.933		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5388.40 +/- 2	4R3	4	0	6,006,598:10:8
1010	1	113	23:33:38.933		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5388.40 +/- 2	4R3	4	0	6,006,598:10:8
1011	1	113	23:34:33.066	175IW422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,599:01:0
1012	1	113	23:34:33.066		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5198.09 +/- 2	4R3	4	0	6,006,599:01:0
1013	1	113	23:34:34.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5197.09 +/- 2	4R3	4	0	6,006,599:02:8
1014	1	113	23:36:29.066	175JW422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	6,006,600:84:0
1015	1	113	23:36:29.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5197.09 +/- 2	4R3	4	0	6,006,600:84:0
1016	1	113	23:36:30.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5197.21 +/- 2	4R3	4	0	6,006,600:86:1
1017	1	113	23:36:35.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5198.44 +/- 2	4R3	4	0	6,006,601:03:0
1018	1	113	23:36:36.933		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5198.50 +/- 2	4R3	4	0	6,006,601:04:8
1019	1	113	23:36:40.400	175JW176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	6,006,601:10:0
1020	1	113	23:36:40.933		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5192.20 +/- 2	4R3	4	0	6,006,601:10:8
1021	1	113	23:36:40.933		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5192.20 +/- 2	4R3	4	0	6,006,601:10:8
1022	1	113	23:37:34.400	176IX6A	6TMREC	**HIS**	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	6,006,602:00:0
1023	1	113	23:38:20.400	175JW422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,602:69:0
1024	1	113	23:38:20.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4842.51 +/- 2	4R3	4	0	6,006,602:69:0
1025	1	113	23:38:21.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4841.51 +/- 2	4R3	4	0	6,006,602:70:8
1026	1	113	23:39:25.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4841.51 +/- 2	4R3	4	0	6,006,603:75:0
1027	1	113	23:39:25.066	175IX422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	6,006,603:75:0
1028	1	113	23:39:26.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4841.63 +/- 2	4R3	4	0	6,006,603:77:1
1029	1	113	23:39:31.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4842.87 +/- 2	4R3	4	0	6,006,603:85:0
1030	1	113	23:39:32.933		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4842.93 +/- 2	4R3	4	0	6,006,603:86:8
1031	1	113	23:39:36.400	175IX176A6A	6TMREC	**HIS**	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	6,006,604:01:0
1032	1	113	23:39:36.933		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4836.63 +/- 2	4R3	4	0	6,006,604:01:8
1033	1	113	23:39:36.933		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4836.63 +/- 2	4R3	4	0	6,006,604:01:8
1034	1	113	23:39:51.066		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4786.94 +/- 2	4R3	4	0	6,006,604:23:0
1035	1	113	23:39:51.066	175IX422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,604:23:0
1036	1	113	23:39:52.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4785.94 +/- 2	4R3	4	0	6,006,604:24:8
1037	1	113	23:40:56.400	175JX422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	6,006,605:30:0
1038	1	113	23:40:56.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4785.94 +/- 2	4R3	4	0	6,006,605:30:0
1039	1	113	23:40:57.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4786.06 +/- 2	4R3	4	0	6,006,605:32:1
1040	1	113	23:41:03.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4787.29 +/- 2	4R3	4	0	6,006,605:40:0
1041	1	113	23:41:04.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4787.35 +/- 2	4R3	4	0	6,006,605:41:8
1042	1	113	23:41:07.733	175JX176A6A	6TMREC	**HIS**	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	6,006,605:47:0
1043	1	113	23:41:08.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4781.05 +/- 2	4R3	4	0	6,006,605:47:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	1	113	23:41:08.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4781.05 +/- 2	4R3	4	0	6,006,605:47:8	
1045	1	113	23:41:22.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4731.37 +/- 2	4R3	4	0	6,006,605:69:0	
1046	1	113	23:41:22.400	175JX422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,605:69:0	
1047	1	113	23:41:23.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4730.37 +/- 2	4R3	4	0	6,006,605:70:8	
1048	1	113	23:42:27.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4730.37 +/- 2	4R3	4	0	6,006,606:75:0	
1049	1	113	23:42:27.066	175IY422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	6,006,606:75:0	
1050	1	113	23:42:28.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4730.49 +/- 2	4R3	4	0	6,006,606:77:1	
1051	1	113	23:42:33.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4731.72 +/- 2	4R3	4	0	6,006,606:85:0	
1052	1	113	23:42:34.933		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4731.78 +/- 2	4R3	4	0	6,006,606:86:8	
1053	1	113	23:42:38.400	175IY176A6A	6TMREC	**HIS**	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	6,006,607:01:0	
1054	1	113	23:42:38.933		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4725.48 +/- 2	4R3	4	0	6,006,607:01:8	
1055	1	113	23:42:38.933		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4725.48 +/- 2	4R3	4	0	6,006,607:01:8	
1056	1	113	23:42:53.066	175IY422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,607:23:0	
1057	1	113	23:42:53.066		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4675.79 +/- 2	4R3	4	0	6,006,607:23:0	
1058	1	113	23:42:54.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4674.79 +/- 2	4R3	4	0	6,006,607:24:8	
1059	1	113	23:43:58.400	175JY422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	6,006,608:30:0	
1060	1	113	23:43:58.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4674.79 +/- 2	4R3	4	0	6,006,608:30:0	
1061	1	113	23:43:59.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4674.91 +/- 2	4R3	4	0	6,006,608:32:1	
1062	1	113	23:44:05.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4676.15 +/- 2	4R3	4	0	6,006,608:40:0	
1063	1	113	23:44:06.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4676.21 +/- 2	4R3	4	0	6,006,608:41:8	
1064	1	113	23:44:09.733	175JY176A6A	6TMREC	**HIS**	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	6,006,608:47:0	
1065	1	113	23:44:10.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4669.91 +/- 2	4R3	4	0	6,006,608:47:8	
1066	1	113	23:44:10.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4669.91 +/- 2	4R3	4	0	6,006,608:47:8	
1067	1	113	23:44:24.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4620.22 +/- 2	4R3	4	0	6,006,608:69:0	
1068	1	113	23:44:24.400	175JY422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,608:69:0	
1069	1	113	23:44:25.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4619.22 +/- 2	4R3	4	0	6,006,608:70:8	
1070	1	113	23:45:29.066	175IZ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	6,006,609:75:0	
1071	1	113	23:45:29.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4619.22 +/- 2	4R3	4	0	6,006,609:75:0	
1072	1	113	23:45:30.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4619.34 +/- 2	4R3	4	0	6,006,609:77:1	
1073	1	113	23:45:35.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4620.57 +/- 2	4R3	4	0	6,006,609:85:0	
1074	1	113	23:45:36.933		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4620.63 +/- 2	4R3	4	0	6,006,609:86:8	
1075	1	113	23:45:40.400	175IZ176A6A	6TMREC	**HIS**	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	6,006,610:01:0	
1076	1	113	23:45:40.933		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4614.33 +/- 2	4R3	4	0	6,006,610:01:8	
1077	1	113	23:45:40.933		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4614.33 +/- 2	4R3	4	0	6,006,610:01:8	
1078	1	113	23:45:55.733		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4562.30 +/- 2	4R3	4	0	6,006,610:24:0	
1079	1	113	23:45:55.733	175IZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,610:24:0	
1080	1	113	23:45:56.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4561.30 +/- 2	4R3	4	0	6,006,610:25:8	
1081	1	113	23:47:31.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4561.30 +/- 2	4R3	4	0	6,006,611:77:0	
1082	1	113	23:47:31.733	175KA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	6,006,611:77:0	
1083	1	113	23:47:33.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4561.42 +/- 2	4R3	4	0	6,006,611:79:1	
1084	1	113	23:47:38.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4562.66 +/- 2	4R3	4	0	6,006,611:87:0	
1085	1	113	23:47:39.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4562.72 +/- 2	4R3	4	0	6,006,611:88:8	
1086	1	113	23:47:40.400	175KA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	6,006,611:90:0	
1087	1	113	23:47:41.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4562.60 +/- 2	4R3	4	0	6,006,611:90:9	
1088	1	113	23:47:41.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4562.60 +/- 2	4R3	4	0	6,006,611:90:9	
1089	1	113	23:47:47.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4561.02 +/- 2	4R3	4	0	6,006,612:10:0	
1090	1	113	23:47:47.733	175KA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	6,006,612:10:0	
1091	1	113	23:47:48.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4560.96 +/- 2	4R3	4	0	6,006,612:11:8	
1092	**1**	**114**	**01:02:25.733**	**127FE4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**6,006,685:84:0**	
1093	1	114	01:02:25.733	127FE	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	6,006,685:84:0	
1094	**1**	**114**	**01:02:26.400**	**127FE4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**6,006,685:85:0**	
1095	1	114	01:02:34.400	127FE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	6,006,686:06:0	
1096	1	114	01:02:34.400	20FE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R0	4	0	6,006,686:06:0	
1097	**1**	**114**	**01:04:27.066**	**125FE4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**6,006,687:84:0**	
1098	1	114	01:04:27.066	125FE	NIMSINIT	GS	##### GROUP START INIT	460	4	0	6,006,687:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1099	1	114	01:05:27.733	125FE4B	37IST	1,1,0,OFF,0,0,0	Chopper OFF, N/A, 63Hz (Ref)	4O0	4	0	6,006,688:84:0
1100	1	114	01:06:28.400	125FE11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	6,006,689:84:0
1101	1	114	01:06:28.400	125FE4C	37MB	0,0,0,0,0,0	Selects mirror (spatial) edit table	4O0	4	0	6,006,689:84:0
1102	1	114	01:06:37.066	29NNPCTCAL01-		-----STOP-------		4O0	4	0	: :
1103	1	114	01:07:40.400	444FF443A4A	7SAFE	UNSTOW	S/P TO 153 deg cone	4O0	4	0	6,006,691:10:0
1104	1	114	01:11:40.400	444FF443A4B	7MODE	CRU	AACS CRUISE MODE	4O0	4	0	6,006,695:06:0
1105	1	114	01:30:59.700	29NNSCITRN02-		-----START------		4O0	4	0	: :
1106	1	114	01:30:59.733	20UD4C	7STAT	10.00,251.12,-21	Stator inertial point	4O0	4	0	6,006,714:16:0
1107	1	114	01:31:11.733	20UD6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	6,006,714:34:0
1108	1	114	01:50:02.333	490UD412A4B	7MODE	INT	AACS INERTIAL MODE	4O0	4	0	6,006,733:01:0
1109	1	114	01:55:00.333	490UD412A4D	7SAFE	UNSTOW	S/P TO 153 deg cone	4O0	4	0	6,006,737:84:0
1110	1	114	01:55:20.333	20UD4D	7STAT	17.45,251.12,-21	Stator inertial point	4O0	4	0	6,006,738:23:0
1111	1	114	01:59:10.333	490UD412A4E	7VECT		Inert vect update UTC	4O0	4	0	6,006,742:04:0
1112	1	114	01:59:14.333	490UD412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	6,006,742:10:0
1113	1	114	02:03:02.333	490UD412A406A4A	7STAR	1,497,343.73	Star catalog update	4O0	4	0	6,006,745:79:0
1114	1	114	02:03:04.333	490UD412A406A4B	7STAR	2,211,140.1409,-	Star catalog update	4O0	4	0	6,006,745:82:0
1115	1	114	02:03:06.333	490UD412A406A4C	7STAR	3,356,206.39	Star catalog update	4O0	4	0	6,006,745:85:0
1116	1	114	02:03:08.333	490UD412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	6,006,745:88:0
1117	1	114	02:03:10.333	490UD412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	6,006,746:00:0
1118	1	114	02:03:12.333	490UD412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	6,006,746:03:0
1119	1	114	02:13:06.333	20UD4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,006,755:75:0
1120	1	114	02:14:57.000	488DH6C	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	6,006,757:59:0
1121	1	114	02:21:10.333	490UD412A4G	7MODE	CRU	AACS CRUISE MODE	4O0	4	0	6,006,763:73:0
1122	1	114	02:21:10.400	29NNSCITRN02-		-----STOP-------		4O0	4	0	: :
1123	1	114	03:15:19.666	488DH6D	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	4O0	4	0	6,006,817:33:0
1124	1	114	03:25:21.000	488DH6E	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	6,006,827:25:0
1125	1	114	03:48:19.666		DMS:	: READY	RDY, TRACK *4, REV, TIC 4560.96 +/- 2	4O0	4	0	6,006,850:00:0
1126	1	114	03:55:04.333	20UA4A	7SAFE	STOP	S/P NO MOVEMENT	4O0	4	0	6,006,856:61:0
1127	1	114	03:55:54.333	20UA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,006,857:45:0
1128	1	114	03:56:00.333	488DI6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,006,857:54:0
1129	1	114	03:57:25.666	176UC6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	6,006,859:00:0
1130	1	114	04:23:03.000	488DI6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,006,884:31:0
1131	1	114	04:31:29.000	488DI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,006,892:62:0
1132	1	114	05:03:06.333	488DI6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,006,923:87:0
1133	1	114	05:32:12.333	488DI6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,006,952:67:0
1134	1	114	05:42:05.000	20WN6A	6MCOPY	HLM1A,E415,B1A1A	HLM1A,E415,B1A1A,5000,506	4O0	4	0	6,006,962:46:0
1135	1	114	05:54:41.000	488DJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,006,974:88:0
1136	1	114	07:28:33.000	488DJ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,007,067:73:0
1137	1	114	07:32:06.333	488DJ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,007,071:29:0
1138	1	114	07:39:13.000	488DJ6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,007,078:32:0
1139	1	114	08:15:29.000	488DJ6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,007,114:20:0
1140	1	114	16:26:38.333	488DK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,007,599:89:0
1141	1	114	19:40:17.000	488DK6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,007,791:45:0
1142	1	114	20:05:53.666	488DK6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,007,816:75:0
1143	1	114	20:16:33.000	488DK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,007,827:33:0
1144	1	115	14:16:34.266	488DL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,008,895:47:0
1145	1	115	15:50:26.933	488DL6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,008,988:33:0
1146	1	115	16:24:06.266	488DL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,009,021:59:0
1147	1	115	18:40:32.933	488DL6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,009,156:54:0
1148	1	115	19:14:40.933	488DL6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,009,190:32:0
1149	1	115	20:43:14.266	488DM6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,009,277:85:0
1150	1	115	21:12:20.933	488DM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,009,306:66:0
1151	1	115	23:00:39.600	488DM6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,009,413:77:0
1152	1	116	01:59:44.933	488DM6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,009,590:88:0
1153	1	116	05:58:56.933	488DN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,009,827:49:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1154	1	116	07:26:23.600	488DN6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,009,914:02:0
1155	1	116	07:28:32.933	488DN6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,009,916:14:0
1156	1	116	07:39:12.933	488DN6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,009,926:64:0
1157	1	116	14:16:29.600	488DO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,010,319:56:0
1158	1	116	19:33:52.933	488DO6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,010,633:47:0
1159	1	116	19:55:44.266	488DO6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,010,655:12:0
1160	1	116	20:08:00.933	488DO6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,010,667:25:0
1161	1	116	21:14:40.933	488DP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,010,733:19:0
1162	1	117	01:19:28.866	488DP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,010,975:29:0
1163	1	117	03:14:40.866	488DQ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,011,089:23:0
1164	1	117	03:25:42.200	488DQ6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,011,100:14:0
1165	1	117	03:38:08.866	488DQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,011,112:42:0
1166	1	117	17:01:23.533	488DR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,011,906:80:0
1167	1	117	17:17:20.866	488DR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,011,922:60:0
1168	1	118	01:19:28.866	488DS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,012,399:45:0
1169	1	118	03:08:16.866	488DS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,012,507:09:0
1170	1	118	05:58:56.866	488DS6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,012,675:81:0
1171	1	118	07:12:42.200	488DS6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,012,748:76:0
1172	1	118	12:11:20.133	488DT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,013,044:17:0
1173	1	118	12:37:52.800	488DT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,013,070:40:0
1174	1	118	14:50:08.800	488DT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,013,201:23:0
1175	1	118	17:13:04.800	488DT6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,013,342:56:0
1176	1	119	00:24:00.800	488DU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,013,768:74:0
1177	1	119	00:51:44.800	488DU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,013,796:22:0
1178	1	119	02:05:43.466	488DU6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,013,869:37:0
1179	1	119	02:39:22.133	488DU6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,013,902:62:0
1180	1	119	06:03:12.800	488DU6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,014,104:26:0
1181	1	119	07:09:20.800	488DV6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,014,169:63:0
1182	1	119	07:10:30.800	488DV6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,014,170:77:0
1183	1	119	07:24:16.800	488DV6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,014,184:42:0
1184	1	119	08:12:38.133	488DV6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,014,232:26:0
1185	1	119	08:21:52.800	488DV6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,014,241:39:0
1186	1	119	08:45:45.466	488DW6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,014,265:04:0
1187	1	119	09:19:24.133	488DW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,014,298:29:0
1188	1	119	18:52:35.400	488DX6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,014,865:19:0
1189	1	120	09:11:11.400	488DY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,015,714:34:0
1190	1	120	19:07:30.066	488DZ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,016,304:12:0
1191	1	120	21:16:09.400	488DZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,016,431:34:0
1192	1	120	22:50:52.066	488DZ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,016,525:04:0
1193	1	120	23:24:31.400	488DZ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,016,558:30:0
1194	1	121	02:23:28.733	488EA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,016,735:29:0
1195	1	121	03:08:16.733	488EA6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,016,779:57:0
1196	1	121	03:19:09.400	488EA6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,016,790:35:0
1197	1	121	03:36:00.733	488EA6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,016,807:05:0
1198	1	121	15:11:05.333	488EB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,017,494:45:0
1199	1	121	19:01:22.000	488EB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,017,722:22:0
1200	1	121	19:08:16.666	488EB6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,017,729:07:0
1201	1	122	07:21:22.666	488EC6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,018,454:11:0
1202	1	122	07:37:04.666	488EC6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,018,469:59:0
1203	1	122	08:47:28.666	488EC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,018,539:25:0
1204	1	122	08:50:58.000	488EC6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,018,542:66:0
1205	1	122	09:24:37.333	488EC6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,018,576:01:0
1206	1	122	18:19:12.600	488ED6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,019,104:66:0
1207	1	122	19:26:15.266	488ED6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,019,171:03:0
1208	1	122	19:29:36.600	488ED6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,019,174:32:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	1	122	19:44:32.600	488ED6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,019,189:11:0	
1210	1	122	19:59:13.933	488ED6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,019,203:59:0	
1211	1	122	20:23:46.600	488EE6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,019,227:84:0	
1212	1	122	20:52:52.600	488EE6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,019,256:64:0	
1213	1	123	00:53:52.600	488EE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,019,495:05:0	
1214	1	123	02:50:56.600	488EF6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,019,610:76:0	
1215	1	123	02:53:20.600	488EF6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,019,613:19:0	
1216	1	123	03:04:00.600	488EF6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,019,623:69:0	
1217	**1**	**123**	**03:34:55.266**	**20MC6A**	**6MCOPY**	**HLM1A,E476,B1A1A**	**HLM1A,E476,B1A1A,50C2,523**	**4O0**	**4**	**0**	**6,019,654:30:0**	
1218	**1**	**123**	**03:35:55.933**	**20MC6C**	**6MCOPY**	**HLM1A,E476,B1A1A**	**HLM1A,E476,B1A1A,5234,53F**	**4O0**	**4**	**0**	**6,019,655:30:0**	
1219	**1**	**123**	**03:36:56.600**	**20MC6E**	**6MCOPY**	**HLM1A,E476,B1A1A**	**HLM1A,E476,B1A1A,53F5,572**	**4O0**	**4**	**0**	**6,019,656:30:0**	
1220	**1**	**123**	**03:37:57.266**	**20MC6G**	**6MCOPY**	**HLM1A,E476,B1A1A**	**HLM1A,E476,B1A1A,5728,5A9**	**4O0**	**4**	**0**	**6,019,657:30:0**	
1221	1	123	14:15:57.266	488EG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,020,288:29:0	
1222	1	123	19:14:40.600	488EG6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,020,583:69:0	
1223	1	123	19:35:12.600	488EG6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,020,604:06:0	
1224	1	123	19:46:40.600	488EG6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,020,615:37:0	
1225	1	123	20:59:09.933	488EH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,020,687:09:0	
1226	1	124	00:34:40.533	488EH6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,020,900:22:0	
1227	1	124	00:58:08.533	488EH6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,020,923:41:0	
1228	1	124	02:16:06.533	488EH6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,021,000:51:0	
1229	1	124	02:49:45.200	488EH6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,021,033:76:0	
1230	1	124	05:39:44.533	488EI6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,021,201:87:0	
1231	1	124	06:48:00.533	488EI6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,021,269:43:0	
1232	1	124	06:53:56.533	488EI6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,021,275:31:0	
1233	1	124	07:11:28.533	488EI6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,021,292:62:0	
1234	1	124	15:15:52.533	488EJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,021,771:69:0	
1235	1	124	19:08:16.533	488EJ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,022,001:55:0	
1236	1	124	19:35:08.533	488EJ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,022,028:16:0	
1237	1	124	19:46:40.533	488EJ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,022,039:53:0	
1238	1	124	23:30:51.200	488EK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,022,261:27:0	
1239	1	125	00:56:00.533	488EK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,022,345:47:0	
1240	1	125	05:29:04.533	488EK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,022,615:53:0	
1241	1	125	06:56:26.533	488EL6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,022,701:90:0	
1242	1	125	06:58:40.533	488EL6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,022,704:18:0	
1243	1	125	07:13:36.533	488EL6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,022,718:88:0	
1244	1	125	07:22:10.533	488EL6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,022,727:40:0	
1245	1	125	07:41:20.533	488EL6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,022,746:36:0	
1246	1	125	17:06:40.466	488EM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,023,305:47:0	
1247	1	125	22:44:12.466	488EM6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,023,639:31:0	
1248	1	125	22:48:00.466	488EM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,023,643:09:0	
1249	1	126	19:15:44.466	488EN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,024,857:31:0	
1250	1	126	20:51:17.066	488EN6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,024,951:76:0	
1251	1	126	21:24:56.400	488EN6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,024,985:11:0	
1252	1	127	02:04:16.400	488EO6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,025,261:35:0	
1253	1	127	02:48:59.066	488EO6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,025,305:55:0	
1254	1	127	02:49:04.400	488EO6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,025,305:63:0	
1255	1	127	03:06:08.400	488EO6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,025,322:52:0	
1256	1	127	15:15:40.400	488EP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,026,044:08:0	
1257	1	127	16:51:20.400	488EP6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,026,138:64:0	
1258	1	127	17:24:59.733	488EP6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,026,171:90:0	
1259	1	127	17:53:36.400	488EP6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,026,200:26:0	
1260	1	127	19:08:16.400	488EP6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,026,274:12:0	
1261	1	127	19:18:42.400	488EQ6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,026,284:41:0	
1262	1	127	19:36:00.400	488EQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,026,301:51:0	
1263	1	127	21:23:52.400	488EQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,026,408:22:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	1	128	00:24:00.400	488EQ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,026,586:36:0	
1265	1	128	02:38:24.400	488ER6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,026,719:29:0	
1266	1	128	03:00:47.733	488ER6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,026,741:42:0	
1267	1	128	03:04:00.400	488ER6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,026,744:58:0	
1268	1	128	03:18:56.400	488ER6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,026,759:37:0	
1269	1	128	13:30:37.666	488ES6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,027,364:34:0	
1270	1	128	18:53:20.333	488ES6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,027,683:49:0	
1271	1	128	19:19:52.333	488ES6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,027,709:71:0	
1272	1	128	19:31:44.333	488ET6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,027,721:47:0	
1273	1	128	23:03:48.333	488ET6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,027,931:23:0	
1274	1	129	00:02:40.333	488ET6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,027,989:43:0	
1275	1	129	02:34:08.333	488EU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,028,139:25:0	
1276	1	129	02:52:07.000	488EU6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,028,157:05:0	
1277	1	129	02:57:36.333	488EU6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,028,162:44:0	
1278	1	129	03:12:32.333	488EU6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,028,177:23:0	
1279	1	129	15:40:33.666	488EV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,028,917:05:0	
1280	1	129	18:42:40.266	488EV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,029,097:15:0	
1281	1	129	19:18:56.266	488EV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,029,133:03:0	
1282	1	129	20:56:28.266	488EV6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,029,229:45:0	
1283	1	129	21:30:07.600	488EV6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,029,262:71:0	
1284	1	130	00:24:00.266	488EW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,029,434:68:0	
1285	1	130	01:10:56.266	488EW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,029,481:15:0	
1286	1	130	02:11:28.933	488EW6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,029,541:04:0	
1287	1	130	02:55:08.266	488EW6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,029,584:20:0	
1288	1	130	04:37:52.266	488EW6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,029,685:75:0	
1289	1	130	06:18:08.266	488EX6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,029,784:90:0	
1290	1	130	06:34:26.266	488EX6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,029,801:10:0	
1291	1	130	06:48:00.266	488EX6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,029,814:48:0	
1292	1	130	07:24:16.266	488EX6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,029,850:36:0	
1293	1	130	10:15:30.266	488EX6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,030,019:68:0	
1294	1	130	11:51:30.933	488EY6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,030,114:64:0	
1295	1	130	12:25:10.266	488EY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,030,147:90:0	
1296	1	130	14:19:26.266	176SQ6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	6,030,261:00:0	
1297	1	130	14:23:00.266	488EY6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	6,030,264:48:0	
1298	1	130	14:54:00.266	20AA4AA	7STAT	10.00,317.3071,4	Stator inertial point	4O0	4	0	6,030,295:17:0	
1299	1	130	14:54:12.266	20AA6AA	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	6,030,295:35:0	
1300	1	130	15:00:00.266	474AA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	6,030,301:11:0	
1301	1	130	15:02:00.266	474AA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	6,030,303:09:0	
1302	1	130	15:02:20.266	20AA4AD	7STAT	17.45,317.3071,4	Stator inertial point	4O0	4	0	6,030,303:39:0	
1303	1	130	15:06:14.266	474AA416A4E	7BURN	,317.307098,45.0	ALERT -- Thruster fire	4O0	4	0	6,030,307:26:0	
1304	1	130	15:13:04.266	20AA4AF	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,030,314:04:0	
1305	1	130	15:18:56.266	20AA4AG	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	6,030,319:77:0	
1306	1	130	15:40:12.266	20AA4AJ	7STAT	10.00,317.3071,4	Stator inertial point	4O0	4	0	6,030,340:80:0	
1307	1	130	15:40:24.266	20AA6AB	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	6,030,341:07:0	
1308	1	130	15:46:12.266	20AA4AK	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	6,030,346:74:0	
1309	1	130	15:48:12.266	474AA416A4G	7BURN	317.307098,45.09	ALERT -- Thruster fire	4O0	4	0	6,030,348:72:0	
1310	1	130	16:04:36.933	20AA4AM	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,030,365:02:0	
1311	1	130	16:09:28.933	20AA4AN	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	6,030,369:76:0	
1312	1	130	17:13:04.266	488EY6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	6,030,432:66:0	
1313	1	130	17:17:00.933	20AB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	6,030,436:57:0	
1314	1	130	17:17:50.933	20AB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,030,437:41:0	
1315	1	130	17:19:24.933	176AA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	6,030,439:00:0	
1316	1	130	18:49:04.266	488EZ6A	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	6,030,527:61:0	
1317	1	130	19:08:30.266	488EZ6B	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	4O0	4	0	6,030,546:81:0	
1318	1	130	19:25:20.266	488EZ6C	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	4O0	4	0	6,030,563:49:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1319	1	130	19:31:00.266	488EZ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,030,569:13:0
1320	1	130	19:34:54.266	176SH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	6,030,573:00:0
1321	1	130	21:13:41.600	488EZ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,030,670:64:0
1322	1	130	23:17:52.266	488FA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,030,793:47:0
1323	1	131	00:31:48.933	488FA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,030,866:59:0
1324	1	131	01:30:28.266	488FA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,030,924:60:0
1325	1	131	03:06:33.533	488FA6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,031,019:63:0
1326	1	131	03:40:12.200	488FA6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,031,052:88:0
1327	1	131	04:18:40.200	488FB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,031,091:01:0
1328	1	131	06:13:52.200	488FB6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,031,204:86:0
1329	1	131	06:29:51.533	488FB6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,031,220:69:0
1330	1	131	06:43:44.200	488FB6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,031,234:44:0
1331	1	131	07:20:00.200	488FB6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,031,270:32:0
1332	1	131	15:41:45.533	488FC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,031,766:54:0
1333	1	131	15:52:00.200	488FC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,031,776:66:0
1334	1	131	17:16:35.533	488FC6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,031,860:35:0
1335	1	131	17:50:14.200	488FC6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,031,893:60:0
1336	1	131	20:53:00.200	488FC6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	6,032,074:38:0
1337	1	131	20:56:37.533	176UD6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	6,032,078:00:0
1338	1	131	21:06:00.200	20UE4C	7STAT	10.00,255.89,-22	Stator inertial point	4O0	4	0	6,032,087:25:0
1339	1	131	21:06:12.200	20UE6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	6,032,087:43:0
1340	1	131	21:25:02.200	490UE412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	6,032,106:09:0
1341	1	131	21:30:00.200	490UE412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	6,032,111:01:0
1342	1	131	21:30:20.200	20UE4D	7STAT	17.45,255.89,-22	Stator inertial point	4O0	4	0	6,032,111:31:0
1343	1	131	21:34:10.200	490UE412A4E	7VECT		Inert vect update UTC	4O0	4	0	6,032,115:12:0
1344	1	131	21:34:14.200	490UE412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	6,032,115:18:0
1345	1	131	21:38:02.200	490UE412A406A4A	7STAR	1,497,343.73	Star catalog update	4O0	4	0	6,032,118:87:0
1346	1	131	21:38:04.200	490UE412A406A4B	7STAR	2,356,206.39	Star catalog update	4O0	4	0	6,032,118:90:0
1347	1	131	21:38:06.200	490UE412A406A4C	7STAR	3,477,309.93	Star catalog update	4O0	4	0	6,032,119:02:0
1348	1	131	21:38:08.200	490UE412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	6,032,119:05:0
1349	1	131	21:38:10.200	490UE412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	6,032,119:08:0
1350	1	131	21:38:12.200	490UE412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	6,032,119:11:0
1351	1	131	21:48:06.200	20UE4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,032,128:83:0
1352	1	131	21:56:10.200	490UE412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	6,032,136:81:0
1353	1	132	00:02:00.200	20UX4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,032,261:31:0
1354	1	132	00:03:00.200	20UX4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	6,032,262:30:0
1355	1	132	00:05:00.200	20UX4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	6,032,264:28:0
1356	1	132	00:10:30.200	20UX4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	6,032,269:68:0
1357	1	132	00:10:30.866	20UX4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	6,032,269:69:0
1358	1	132	00:10:50.866	20UX4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	6,032,270:08:0
1359	1	132	00:10:51.533	20UX4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	6,032,270:09:0
1360	1	132	00:11:11.533	20UX4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	6,032,270:39:0
1361	1	132	00:11:12.200	20UX4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	6,032,270:40:0
1362	1	132	00:11:22.200	20UX4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	6,032,270:55:0
1363	1	132	00:11:22.866	20UX4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	6,032,270:56:0
1364	1	132	00:11:32.866	20UX4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	6,032,270:71:0
1365	1	132	00:11:33.533	20UX4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	6,032,270:72:0
1366	1	132	00:13:20.200	20UX4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	6,032,272:50:0
1367	1	132	00:13:20.866	20UX4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	6,032,272:51:0
1368	1	132	00:13:40.866	20UX4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	6,032,272:81:0
1369	1	132	00:13:41.533	20UX4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	6,032,272:82:0
1370	1	132	00:14:01.533	20UX4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	6,032,273:21:0
1371	1	132	00:14:02.200	20UX4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	6,032,273:22:0
1372	1	132	00:14:12.200	20UX4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	6,032,273:37:0
1373	1	132	00:14:12.866	20UX4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	6,032,273:38:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	1	132	00:14:22.866	20UX4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	6,032,273:53:0	
1375	1	132	00:14:23.533	20UX4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	6,032,273:54:0	
1376	1	132	00:15:20.200	20UX4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	6,032,274:48:0	
1377	1	132	00:39:00.200	488FD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,032,297:85:0	
1378	1	132	00:40:04.200	20UY4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	6,032,298:90:0	
1379	1	132	00:40:54.200	20UY4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,032,299:74:0	
1380	1	132	00:44:07.533	176UT6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	6,032,303:00:0	
1381	1	132	01:17:20.200	488FD6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,032,335:77:0	
1382	1	132	02:23:28.200	488FD6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,032,401:23:0	
1383	1	132	02:33:26.200	488FD6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,032,411:10:0	
1384	1	132	06:40:43.533	488FE6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,032,655:62:0	
1385	1	132	06:56:32.200	488FE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,032,671:29:0	
1386	1	132	07:41:20.200	488FE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,032,715:57:0	
1387	1	132	18:27:44.133	488FF6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,033,354:84:0	
1388	1	132	19:06:57.466	488FF6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,033,393:65:0	
1389	1	132	19:12:32.133	488FF6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,033,399:21:0	
1390	1	132	19:27:28.133	488FF6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,033,414:00:0	
1391	1	132	21:13:34.800	488FF6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,033,518:86:0	
1392	1	132	22:52:16.133	488FG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,033,616:50:0	
1393	1	133	02:12:48.133	488FG6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,033,814:80:0	
1394	1	133	02:36:58.800	488FG6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,033,838:72:0	
1395	1	133	02:42:40.133	488FG6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,033,844:38:0	
1396	1	133	02:57:36.133	488FG6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,033,859:17:0	
1397	1	133	15:10:19.466	488FH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,034,583:78:0	
1398	1	133	18:27:44.133	488FH6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,034,779:09:0	
1399	1	133	19:08:16.133	488FH6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,034,819:17:0	
1400	1	133	20:46:42.133	488FH6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,034,916:49:0	
1401	1	133	21:20:21.466	488FI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,034,949:75:0	
1402	1	134	01:17:20.066	488FI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,035,184:18:0	
1403	1	134	02:18:46.733	488FI6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,035,244:88:0	
1404	1	134	02:19:12.066	488FI6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,035,245:35:0	
1405	1	134	02:36:16.066	488FI6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,035,262:24:0	
1406	1	134	12:50:16.733	488FJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,035,869:48:0	
1407	1	134	14:26:45.400	488FJ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,035,964:86:0	
1408	1	134	15:00:24.733	488FJ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,035,998:21:0	
1409	1	134	15:53:00.066	488FJ6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	6,036,050:22:0	
1410	1	134	15:56:48.066	176UM6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	6,036,054:00:0	
1411	1	134	16:23:30.066	20SP4I	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	6,036,080:37:0	
1412	1	134	16:38:30.066	20SP4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	6,036,095:22:0	
1413	1	134	16:50:30.066	20SP4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,036,107:10:0	
1414	1	134	16:57:30.066	20SP4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	6,036,114:03:0	
1415	1	134	17:08:48.066	488FJ6E	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	6,036,125:19:0	
1416	1	134	17:09:30.066	20SP4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,036,125:82:0	
1417	1	134	17:16:30.066	20SP4O	7SLEW	INIT,POS,4.36	Stator movement	4O0	4	0	6,036,132:75:0	
1418	1	134	17:28:30.066	20SP4P	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,036,144:63:0	
1419	1	134	17:35:30.066	20SP4Q	7SLEW	INIT,NEG,4.36	Stator movement	4O0	4	0	6,036,151:56:0	
1420	1	134	17:47:30.066	20SP4R	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,036,163:44:0	
1421	1	134	17:59:30.066	20SP4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	6,036,175:32:0	
1422	1	134	18:15:00.066	488FK6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,036,190:62:0	
1423	1	134	18:15:04.066	20UN4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	6,036,190:68:0	
1424	1	134	18:15:54.066	20UN4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,036,191:52:0	
1425	1	134	18:17:20.733	176UN6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	6,036,193:00:0	
1426	1	134	18:38:24.066	488FK6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,036,213:75:0	
1427	1	134	18:58:17.400	488FK6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,036,233:45:0	
1428	1	134	19:16:48.066	488FK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,036,251:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	1	134	21:15:15.400	488FK6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,036,368:87:0	
1430	1	134	22:51:46.066	488FL6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,036,464:37:0	
1431	1	134	23:25:25.400	488FL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,036,497:63:0	
1432	**1**	**135**	**00:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**6,036,531:80:9**	
1433	**1**	**135**	**00:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**6,036,531:80:9**	
1434	**1**	**135**	**00:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**6,036,531:80:9**	
1435	**1**	**135**	**00:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**6,036,531:80:9**	
1436	**1**	**135**	**00:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**6,036,531:80:9**	
1437	**1**	**135**	**00:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**6,036,531:80:9**	
1438	**1**	**135**	**00:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**6,036,531:80:9**	
1439	**1**	**135**	**00:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**6,036,531:80:9**	
1440	**1**	**135**	**00:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**6,036,531:80:9**	
1441	1	135	00:00:00.066		DMS:	: READY	RDY, TRACK 4, REV, TIC 4560.96 +/- 2	4O0	4	0	6,036,531:81:0	

Sequence: G29D-AR Created: 6/25/01 Begin: 01-135/00:00:00 Finish: 01-142/17:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	1	135	00:00:00.000	20A3EW	37A	Initial Condition	NIMS Power ON	4O0	4	0	6,036,531:80:9
2	1	135	00:00:00.000	20A3EX	37HR	Initial Condition	Replacement Heaters OFF	4O0	4	0	6,036,531:80:9
3	1	135	00:00:00.000	20A3EY	37C1PR	Initial Condition	Optics Heater 1 OFF (primary relay)	4O0	4	0	6,036,531:80:9
4	1	135	00:00:00.000	20A3EZ	37C2PR	Initial Condition	Optics Heater 2 OFF (primary relay)	4O0	4	0	6,036,531:80:9
5	1	135	00:00:00.000	20A3FA	37F1PR	Initial Condition	Radiator Flash Heater OFF (primary relay)	4O0	4	0	6,036,531:80:9
6	1	135	00:00:00.000	20A3FB	37F2PR	Initial Condition	Shield Flash Heater OFF (primary relay)	4O0	4	0	6,036,531:80:9
7	1	135	00:00:00.000	20A3FD	40HRPR	Initial Condition	RCT Heater OFF (primary relay)	4O0	4	0	6,036,531:80:9
8	1	135	00:00:00.000	20A3FE	40T1PR	Initial Condition	PCT Heater 1 OFF (primary relay)	4O0	4	0	6,036,531:80:9
9	1	135	00:00:00.000	20A3FF	40T2R	Initial Condition	PCT Heater 2 OFF	4O0	4	0	6,036,531:80:9
10	1	135	00:00:00.066		DMS:	: READY	RDY, TRACK 4, REV, TIC 4560.96 +/- 2	4O0	4	0	6,036,531:81:0
11	1	135	00:00:32.066	488AA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,036,532:38:0
12	1	135	00:02:08.066	176TA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	6,036,534:00:0
13	1	135	00:07:00.066	20SS6B	6MROH	4,5B20,1,A2	read from HLM1A4,5B20,1,A2	4O0	4	0	6,036,538:74:0
14	1	135	00:25:00.066	20SS6C	6MROH	5,5B20,1,B2	read from HLM1B5,5B20,1,B2	4O0	4	0	6,036,556:56:0
15	1	135	00:46:04.066	20UP4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	6,036,577:41:0
16	1	135	00:46:54.066	20UP4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,036,578:25:0
17	1	135	00:48:38.733	176TB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	6,036,580:00:0
18	1	135	01:23:44.066	488AA6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,036,614:64:0
19	1	135	02:19:12.066	488AA6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,036,669:51:0
20	1	135	02:23:16.733	488AA6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,036,673:54:0
21	1	135	02:40:32.066	488AA6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,036,690:60:0
22	1	135	14:25:12.666	488AB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,037,387:54:0
23	1	135	16:01:48.000	488AB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,037,483:11:0
24	1	135	16:35:27.333	488AB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,037,516:37:0
25	1	135	17:02:24.000	488AB6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,037,543:05:0
26	1	135	18:23:28.000	488AB6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,037,623:21:0
27	1	135	18:43:31.333	488AC6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,037,643:06:0
28	1	135	18:53:20.000	488AC6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,037,652:70:0
29	1	135	19:29:36.000	488AC6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,037,688:58:0
30	1	135	22:56:31.333	488AC6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,037,893:26:0
31	1	135	23:05:04.000	488AC6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,037,901:67:0
32	1	136	01:00:16.000	488AD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,038,015:61:0
33	1	136	04:18:40.000	488AD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,038,211:81:0
34	1	136	06:18:08.000	488AD6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,038,330:04:0
35	1	136	06:21:24.666	488AD6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,038,333:26:0
36	1	136	06:28:48.000	488AD6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,038,340:54:0
37	1	136	07:05:04.000	488AE6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,038,376:42:0
38	1	136	13:35:10.666	488AF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,038,762:26:0
39	1	136	15:11:51.333	488AF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,038,857:82:0
40	1	136	15:45:30.666	488AF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,038,891:17:0
41	1	136	17:02:24.000	488AF6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,038,967:21:0
42	1	136	18:14:25.333	488AF6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,039,038:42:0
43	1	136	18:25:35.933	488AG6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,039,049:47:0
44	1	136	18:58:22.600	488AG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,039,081:85:0
45	1	136	19:44:37.266	488AG6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,039,127:61:0
46	1	136	20:13:43.933	488AG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,039,156:42:0
47	1	136	23:13:35.933	488AG6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,039,334:32:0
48	1	137	02:02:07.933	488AH6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,039,501:03:0
49	1	137	02:19:24.600	488AH6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,039,518:11:0
50	1	137	02:29:51.933	488AH6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,039,528:42:0
51	1	137	14:00:07.266	488AI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,040,211:12:0
52	1	137	18:17:03.933	488AI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,040,465:23:0
53	1	137	18:50:12.600	488AI6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,040,498:03:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	1	137	18:53:19.933	488AI6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,040,501:11:0	
55	1	137	19:08:15.933	488AI6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,040,515:81:0	
56	1	137	22:51:26.600	488AJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,040,736:56:0	
57	1	137	23:00:47.933	488AJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,040,745:79:0	
58	1	138	01:00:15.933	488AJ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,040,864:02:0	
59	1	138	04:07:59.933	488AJ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,041,049:63:0	
60	1	138	06:07:27.866	488AK6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,041,167:77:0	
61	1	138	06:15:20.533	488AK6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,041,175:58:0	
62	1	138	06:22:23.866	488AK6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,041,182:56:0	
63	1	138	06:58:39.866	488AK6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,041,218:44:0	
64	1	138	14:20:24.533	488AL6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,041,655:34:0	
65	1	138	14:35:11.866	488AL6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,041,670:00:0	
66	1	138	15:26:23.866	488AL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,041,720:58:0	
67	1	138	15:36:57.200	488AL6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,041,731:07:0	
68	1	138	16:10:36.533	488AL6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,041,764:33:0	
69	1	139	01:02:23.866	488AM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,042,290:28:0	
70	1	139	01:53:35.866	488AM6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,042,340:86:0	
71	1	139	02:05:41.866	488AM6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,042,352:83:0	
72	1	139	02:17:03.866	488AM6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,042,364:14:0	
73	1	139	02:53:19.866	488AM6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,042,400:02:0	
74	1	140	00:30:00.466	488AN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,043,682:41:0	
75	1	140	01:36:31.800	488AN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	6,043,748:22:0	
76	1	140	03:18:55.800	488AN6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,043,849:47:0	
77	1	140	05:58:55.800	488AN6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,044,007:69:0	
78	1	140	06:09:37.133	488AN6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,044,018:30:0	
79	1	140	06:18:07.800	488AO6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,044,026:68:0	
80	1	140	06:54:23.800	488AO6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,044,062:56:0	
81	1	140	08:06:20.466	488AO6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,044,133:70:0	
82	1	140	09:06:39.800	488AO6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,044,193:39:0	
83	1	140	09:42:01.133	488AO6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,044,228:36:0	
84	1	140	10:15:40.466	488AP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	6,044,261:62:0	
85	1	140	16:02:39.800	488AP6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,044,604:78:0	
86	1	140	17:53:35.800	488AQ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,044,714:52:0	
87	1	140	18:08:01.133	488AQ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,044,728:76:0	
88	1	140	18:50:19.800	488AQ6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,044,770:62:0	
89	1	140	19:23:43.133	488AQ6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,044,803:64:0	
90	1	140	20:11:01.800	488AQ6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,044,850:45:0	
91	1	140	20:13:43.133	488AR6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,044,853:14:0	
92	1	140	21:01:01.800	488AR6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,044,899:86:0	
93	1	141	01:42:55.733	488AR6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,045,178:68:0	
94	1	141	01:43:11.066	488AR6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,045,179:00:0	
95	1	141	06:31:20.400	488AS6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,045,463:90:0	
96	1	141	07:13:47.733	488AS6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,045,505:89:0	
97	1	141	08:30:23.733	488AS6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,045,581:67:0	
98	1	141	08:42:55.066	488AS6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,045,594:11:0	
99	1	141	12:44:27.066	176ZZ6A	6TMREC	**TPB**	TERMINATE PLAYBACK (PB CONTROL) Record Mo	4O0	4	0	6,045,833:00:0	
100	1	141	12:52:59.733	488AT6A	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	6,045,841:41:0	
101	1	141	17:13:03.733	488AT6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	6,046,098:60:0	
102	1	141	18:00:59.733	488AT6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,046,146:06:0	
103	1	141	19:29:59.733	488AU6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,046,234:08:0	
104	1	141	20:07:03.733	488AU6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,046,270:68:0	
105	1	141	22:38:43.733	488AU6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	6,046,420:68:0	
106	1	141	22:47:59.733	488AU6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,046,429:83:0	
107	1	141	23:02:14.400	465WK6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	6,046,444:00:0	
108	1	141	23:02:14.400		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 4560.96 +/- 2	4O0	4	0	6,046,444:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	1	141	23:02:14.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4560.96 +/- 2	4O0	4	0	6,046,444:00:0	
110	1	141	23:02:21.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 4560.96 +/- 2	4O0	4	0	6,046,444:10:0	
111	1	141	23:02:22.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *4561.08 +/- 2	4O0	4	0	6,046,444:12:1	
112	1	141	23:33:25.200		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/- 2	4O0	4	0	6,046,474:76:2	
113	1	141	23:33:26.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/- 2	4O0	4	0	6,046,474:78:0	
114	1	141	23:55:17.066	488AU6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,046,496:42:0	
115	1	142	00:08:45.066	488AV6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,046,509:71:0	
116	1	142	00:56:03.733	488AV6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,046,556:52:0	
117	1	142	04:52:47.733	488AV6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,046,790:64:0	
118	1	142	04:55:55.733	465WL6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	6,046,793:73:0	
119	1	142	04:55:55.733		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/- 2	4O0	4	0	6,046,793:73:0	
120	1	142	04:55:57.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/- 2	4O0	4	0	6,046,793:75:1	
121	1	142	04:56:02.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/- 2	4O0	4	0	6,046,793:83:0	
122	1	142	04:56:03.600		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/- 2	4O0	4	0	6,046,793:84:8	
123	1	142	04:56:07.466		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/- 3	4O0	4	0	6,046,793:90:6	
124	1	142	04:56:07.466		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/- 2	4O0	4	0	6,046,793:90:6	
125	1	142	05:21:47.733	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	6,046,819:35:0	
126	1	142	05:21:47.733		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/- 3	4O0	4	0	6,046,819:35:0	
127	1	142	05:21:48.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/- 3	4O0	4	0	6,046,819:36:8	
128	1	142	05:33:01.733	488AV6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,046,830:45:0	
129	1	142	06:15:59.733	488AW6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,046,872:90:0	
130	1	142	07:25:39.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/- 3	4O0	4	0	6,046,941:81:0	
131	1	142	07:25:39.733	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	4O0	4	0	6,046,941:81:0	
132	1	142	07:25:39.733		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/- 3	4O0	4	0	6,046,941:81:0	
133	1	142	07:25:41.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/- 3	4O0	4	0	6,046,941:83:1	
134	1	142	07:25:46.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/- 3	4O0	4	0	6,046,942:00:0	
135	1	142	07:25:47.600		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/- 3	4O0	4	0	6,046,942:01:8	
136	1	142	07:25:49.000		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/- 3	4O0	4	0	6,046,942:03:9	
137	1	142	07:29:09.066	488AW6B	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	4O0	4	0	6,046,945:31:0	
138	1	142	07:29:49.666		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/- 3	4O0	4	0	6,046,946:00:9	
139	1	142	07:29:50.866		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/- 3	4O0	4	0	6,046,946:02:7	
140	1	142	07:29:50.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 3	4O0	4	0	6,046,946:02:7	
141	1	142	07:29:52.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	6,046,946:04:8	
142	1	142	07:30:04.266		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	6,046,946:22:8	
143	1	142	07:30:05.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	6,046,946:24:6	
144	1	142	07:35:42.400	465WN6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	6,046,951:75:0	
145	1	142	07:35:42.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	6,046,951:75:0	
146	1	142	07:35:49.066		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	6,046,951:85:0	
147	1	142	07:35:52.933		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	6,046,951:90:8	
148	1	142	07:35:52.933		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	6,046,951:90:8	
149	1	142	08:07:36.400	465WN6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	6,046,983:34:0	
150	1	142	08:07:36.400		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	6,046,983:34:0	
151	1	142	08:07:37.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	6,046,983:35:8	
152	1	142	08:23:12.400	465WO6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	6,046,998:73:0	
153	1	142	08:23:12.400		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	6,046,998:73:0	
154	1	142	08:23:13.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	6,046,998:75:1	
155	1	142	08:23:19.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	6,046,998:83:0	
156	1	142	08:23:20.266		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	6,046,998:84:8	
157	1	142	08:23:24.133		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	6,046,998:90:6	
158	1	142	08:23:24.133		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	6,046,998:90:6	
159	1	142	08:55:20.400		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	6,047,030:53:0	
160	1	142	08:55:20.400	465WP6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	6,047,030:53:0	
161	1	142	08:55:21.600		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	6,047,030:54:8	
162	1	142	08:55:25.466		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	6,047,030:60:6	
163	1	142	08:55:25.466		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	6,047,030:60:6	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
164	1	142	09:27:21.066	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	6,047,062:22:0
165	1	142	09:27:21.066		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	6,047,062:22:0
166	1	142	09:27:22.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	6,047,062:23:8
167	1	142	09:42:04.400		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	6,047,076:73:0
168	1	142	09:42:04.400	465WQ6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	6,047,076:73:0
169	1	142	09:42:05.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	6,047,076:75:1
170	1	142	09:42:11.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	6,047,076:83:0
171	1	142	09:42:12.266		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	6,047,076:84:8
172	1	142	09:42:16.133		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	6,047,076:90:6
173	1	142	09:42:16.133		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	6,047,076:90:6
174	1	142	10:14:11.733		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	6,047,108:52:0
175	1	142	10:14:11.733	465WR6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	6,047,108:52:0
176	1	142	10:14:12.933		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	6,047,108:53:8
177	1	142	10:14:16.800		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	6,047,108:59:6
178	1	142	10:14:16.800		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	6,047,108:59:6
179	1	142	10:15:17.733		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	6,047,109:60:0
180	1	142	10:15:17.733	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	6,047,109:60:0
181	1	142	10:15:18.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	6,047,109:61:8
182	1	142	10:15:59.066	488AW6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,047,110:31:0
183	1	142	10:29:47.666		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	6,047,124:00:0
184	1	142	10:29:47.666	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	6,047,124:00:0
185	1	142	10:30:41.666		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	6,047,124:81:0
186	1	142	10:30:41.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	6,047,124:81:0
187	1	142	10:30:41.666	465WT6A	6DTRN	CMD,6DTRN,465WT6	DMS TRACK TURNAROUND	4O0	4	0	6,047,124:81:0
188	1	142	10:30:43.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	6,047,124:83:1
189	1	142	10:30:48.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	6,047,125:00:0
190	1	142	10:30:49.533		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	6,047,125:01:8
191	1	142	10:30:50.933		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	6,047,125:03:9
192	1	142	10:42:16.733		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	6,047,136:31:6
193	1	142	10:42:17.933		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	6,047,136:33:4
194	1	142	10:42:17.933		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	6,047,136:33:4
195	1	142	10:42:19.333		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	6,047,136:35:5
196	1	142	10:42:31.333		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	6,047,136:53:5
197	1	142	10:42:32.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	6,047,136:55:3
198	1	142	12:10:17.000	488AW6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,047,223:35:0
199	1	142	12:53:00.333	488AX6A	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	6,047,265:58:0
200	1	142	13:06:00.333	20UF4C	7STAT	10.00,260.50,-25	Stator inertial point	4O0	4	0	6,047,278:45:0
201	1	142	13:06:12.333	20UF6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	6,047,278:63:0
202	1	142	13:25:02.333	490UF412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	6,047,297:29:0
203	1	142	13:30:00.333	490UF412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	6,047,302:21:0
204	1	142	13:30:20.333	20UF4D	7STAT	17.45,260.50,-25	Stator inertial point	4O0	4	0	6,047,302:51:0
205	1	142	13:33:46.333	488AX6B	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	4O0	4	0	6,047,305:87:0
206	1	142	13:34:10.333	490UF412A4E	7VECT	RTH	Inert vect update UTC	4O0	4	0	6,047,306:32:0
207	1	142	13:34:14.333	490UF412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	6,047,306:38:0
208	1	142	13:38:02.333	490UF412A406A4A	7STAR	1,1307,23.966,-5	Star catalog update	4O0	4	0	6,047,310:16:0
209	1	142	13:38:04.333	490UF412A406A4B	7STAR	2,211,140.1409,-	Star catalog update	4O0	4	0	6,047,310:19:0
210	1	142	13:38:06.333	490UF412A406A4C	7STAR	3,477,309.93	Star catalog update	4O0	4	0	6,047,310:22:0
211	1	142	13:38:08.333	490UF412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	6,047,310:25:0
212	1	142	13:38:10.333	490UF412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	6,047,310:28:0
213	1	142	13:38:12.333	490UF412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	6,047,310:31:0
214	1	142	13:48:06.333	20UF4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	6,047,320:12:0
215	1	142	13:56:10.333	490UF412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	6,047,328:10:0
216	1	142	14:21:05.000	488AX6C	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	6,047,352:68:0
217	1	142	15:31:00.333	488AX6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	6,047,421:82:0
218	1	142	16:53:51.666	488AX6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	6,047,503:77:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	**1**	**142**	**17:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**6,047,509:83:5**	
220	**1**	**142**	**17:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**6,047,509:83:5**	
221	**1**	**142**	**17:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**6,047,509:83:5**	
222	**1**	**142**	**17:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**6,047,509:83:5**	
223	**1**	**142**	**17:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**6,047,509:83:5**	
224	**1**	**142**	**17:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**6,047,509:83:5**	
225	**1**	**142**	**17:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**6,047,509:83:5**	
226	**1**	**142**	**17:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**6,047,509:83:5**	
227	**1**	**142**	**17:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**6,047,509:83:5**	
228	1	142	17:00:00.333		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	6,047,509:84:0	

29GNREGION01

OAPEL: 29GNREGION01
EXT: A
SCLK1: 05840624:89:0
SCET1: 00-363/10:36:27.866
TARGET: GANYMEDE

ALIAS: 29GNREGION01
PSID: DA
SCLK2: 05840639:71:0
SCET2: 00-363/10:51:25.866
PARTITION: 1

MODE: 3
CHOP: 1
PTAB_A: 1 1 0 0 124
ECAL: 0
R/T: 0

GAIN: 2
GRAT_OFF: 4
PTAB_B: 1 1 0 0 124
OPCAL: 0
RECORD: 1

MB_DOWN: 00000
COMP_FLAG: 1
EST_COMP: 2.0
RATE_CON1: 00000
NWAVETOT: 288

MB_UP: 00000
EST_COMPV: 0.3
RATE_CON2: 65525
TLMFMT: MPW

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

WETGID: 0326288001 03 26 288 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	039FF	0,0011,1001,1111,1111
1	039FF	0,0011,1001,1111,1111
2	039FF	0,0011,1001,1111,1111
3	039FF	0,0011,1001,1111,1111
4	039FF	0,0011,1001,1111,1111
5	039FF	0,0011,1001,1111,1111
6	039FF	0,0011,1001,1111,1111
7	039FF	0,0011,1001,1111,1111
8	039FF	0,0011,1001,1111,1111
9	039FF	0,0011,1001,1111,1111
10	039FF	0,0011,1001,1111,1111
11	039FF	0,0011,1001,1111,1111
12	039FF	0,0011,1001,1111,1111
13	039FF	0,0011,1001,1111,1111
14	039FF	0,0011,1001,1111,1111
15	039FF	0,0011,1001,1111,1111
16	039FF	0,0011,1001,1111,1111
17	039FF	0,0011,1001,1111,1111
18	039FF	0,0011,1001,1111,1111
19	039FF	0,0011,1001,1111,1111
20	039FF	0,0011,1001,1111,1111
21	039FF	0,0011,1001,1111,1111
22	039FF	0,0011,1001,1111,1111
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29CNGLOBAL01

OAPEL:	29CNGLOBAL01	ALIAS:	29CNGLOBAL01
EXT:	A	PSID:	DB
SCLK1:	05840812:90:0	SCLK2:	05840815:01:0
SCET1:	00-363/13:46:33.200	SCET2:	00-363/13:48:36.533
TARGET:	CALLISTO	PARTITION:	1
MODE:	3	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	288	TLMFMT:	MPW

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

WETGID: 0326288001 03 26 288 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	039FF	0,0011,1001,1111,1111
1	039FF	0,0011,1001,1111,1111
2	039FF	0,0011,1001,1111,1111
3	039FF	0,0011,1001,1111,1111
4	039FF	0,0011,1001,1111,1111
5	039FF	0,0011,1001,1111,1111
6	039FF	0,0011,1001,1111,1111
7	039FF	0,0011,1001,1111,1111
8	039FF	0,0011,1001,1111,1111
9	039FF	0,0011,1001,1111,1111
10	039FF	0,0011,1001,1111,1111
11	039FF	0,0011,1001,1111,1111
12	039FF	0,0011,1001,1111,1111
13	039FF	0,0011,1001,1111,1111
14	039FF	0,0011,1001,1111,1111
15	039FF	0,0011,1001,1111,1111
16	039FF	0,0011,1001,1111,1111
17	039FF	0,0011,1001,1111,1111
18	039FF	0,0011,1001,1111,1111
19	039FF	0,0011,1001,1111,1111
20	039FF	0,0011,1001,1111,1111
21	039FF	0,0011,1001,1111,1111
22	039FF	0,0011,1001,1111,1111
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29GNGLOBAL01

OAPEL:	29GNGLOBAL01	ALIAS:	29GNGLOBAL01
EXT:	A	PSID:	DC
SCLK1:	05841022:90:0	SCLK2:	05841032:62:0
SCET1:	00-363/17:18:53.200	SCET2:	00-363/17:28:41.200
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:	252	TLMFMT:	LPU

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

WETGID: 0326252001 03 26 252 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	039FF	0,0011,1001,1111,1111
1	039FF	0,0011,1001,1111,1111
2	039FF	0,0011,1001,1111,1111
3	039FF	0,0011,1001,1111,1111
4	039FF	0,0011,1001,1111,1111
5	039FF	0,0011,1001,1111,1111
6	039FF	0,0011,1001,1111,1111
7	039FF	0,0011,1001,1111,1111
8	039FF	0,0011,1001,1111,1111
9	039FF	0,0011,1001,1111,1111
10	039FF	0,0011,1001,1111,1111
11	039FF	0,0011,1001,1111,1111
12	039F8	0,0011,1001,1111,1000
13	039F8	0,0011,1001,1111,1000
14	039F8	0,0011,1001,1111,1000
15	039F8	0,0011,1001,1111,1000
16	039F8	0,0011,1001,1111,1000
17	039F8	0,0011,1001,1111,1000
18	039F8	0,0011,1001,1111,1000
19	039F8	0,0011,1001,1111,1000
20	039F8	0,0011,1001,1111,1000
21	039F8	0,0011,1001,1111,1000
22	039F8	0,0011,1001,1111,1000
23	039F8	0,0011,1001,1111,1000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29GNGLOBAL02

OAPEL:	29GNGLOBAL02	ALIAS:	29GNGLOBAL02
EXT:	A	PSID:	DD
SCLK1:	05841035:89:0	SCLK2:	05841046:01:0
SCET1:	00-363/17:32:01.866	SCET2:	00-363/17:42:09.866
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:	126	TLMFMT:	LPU

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

WETGID: 0326126001 03 26 126 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	039FF	0,0011,1001,1111,1111
1	00000	0,0000,0000,0000,0000
2	039FF	0,0011,1001,1111,1111
3	00000	0,0000,0000,0000,0000
4	039FF	0,0011,1001,1111,1111
5	00000	0,0000,0000,0000,0000
6	039FF	0,0011,1001,1111,1111
7	00000	0,0000,0000,0000,0000
8	039FF	0,0011,1001,1111,1111
9	00000	0,0000,0000,0000,0000
10	039FF	0,0011,1001,1111,1111
11	00000	0,0000,0000,0000,0000
12	039F8	0,0011,1001,1111,1000
13	00000	0,0000,0000,0000,0000
14	039F8	0,0011,1001,1111,1000
15	00000	0,0000,0000,0000,0000
16	039F8	0,0011,1001,1111,1000
17	00000	0,0000,0000,0000,0000
18	039F8	0,0011,1001,1111,1000
19	00000	0,0000,0000,0000,0000
20	039F8	0,0011,1001,1111,1000
21	00000	0,0000,0000,0000,0000
22	039F8	0,0011,1001,1111,1000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29GNGLOBAL03

OAPEL:	29GNGLOBAL03	ALIAS:	29GNGLOBAL03
EXT:	A	PSID:	DE
SCLK1:	05841337:90:0	SCLK2:	05841345:57:0
SCET1:	00-363/22:37:23.133	SCET2:	00-363/22:45:06.466
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:	252	TLMFMT:	LPU

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

WETGID: 0326252001 03 26 252 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	039FF	0,0011,1001,1111,1111
1	039FF	0,0011,1001,1111,1111
2	039FF	0,0011,1001,1111,1111
3	039FF	0,0011,1001,1111,1111
4	039FF	0,0011,1001,1111,1111
5	039FF	0,0011,1001,1111,1111
6	039FF	0,0011,1001,1111,1111
7	039FF	0,0011,1001,1111,1111
8	039FF	0,0011,1001,1111,1111
9	039FF	0,0011,1001,1111,1111
10	039FF	0,0011,1001,1111,1111
11	039FF	0,0011,1001,1111,1111
12	039F8	0,0011,1001,1111,1000
13	039F8	0,0011,1001,1111,1000
14	039F8	0,0011,1001,1111,1000
15	039F8	0,0011,1001,1111,1000
16	039F8	0,0011,1001,1111,1000
17	039F8	0,0011,1001,1111,1000
18	039F8	0,0011,1001,1111,1000
19	039F8	0,0011,1001,1111,1000
20	039F8	0,0011,1001,1111,1000
21	039F8	0,0011,1001,1111,1000
22	039F8	0,0011,1001,1111,1000
23	039F8	0,0011,1001,1111,1000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29INIWATCH01

OAPEL:	29INIWATCH01	ALIAS:	29INIWATCH01
EXT:	A	PSID:	DF
SCLK1:	05841377:90:0	SCLK2:	05841380:87:0
SCET1:	00-363/23:17:49.800	SCET2:	00-363/23:20:49.800
TARGET:	IO	PARTITION:	1
MODE:	3	GAIN:	2
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	288	TLMFMT:	MPW

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

WETGID: 0326288001 03 26 288 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	039FF	0,0011,1001,1111,1111
1	039FF	0,0011,1001,1111,1111
2	039FF	0,0011,1001,1111,1111
3	039FF	0,0011,1001,1111,1111
4	039FF	0,0011,1001,1111,1111
5	039FF	0,0011,1001,1111,1111
6	039FF	0,0011,1001,1111,1111
7	039FF	0,0011,1001,1111,1111
8	039FF	0,0011,1001,1111,1111
9	039FF	0,0011,1001,1111,1111
10	039FF	0,0011,1001,1111,1111
11	039FF	0,0011,1001,1111,1111
12	039FF	0,0011,1001,1111,1111
13	039FF	0,0011,1001,1111,1111
14	039FF	0,0011,1001,1111,1111
15	039FF	0,0011,1001,1111,1111
16	039FF	0,0011,1001,1111,1111
17	039FF	0,0011,1001,1111,1111
18	039FF	0,0011,1001,1111,1111
19	039FF	0,0011,1001,1111,1111
20	039FF	0,0011,1001,1111,1111
21	039FF	0,0011,1001,1111,1111
22	039FF	0,0011,1001,1111,1111
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNGRWAKE01

OAPEL:	29JNGRWAKE01	ALIAS:	29JNGRWAKE01
EXT:	A	PSID:	DG
SCLK1:	05841605:13:0	SCLK2:	05841630:58:0
SCET1:	00-364/03:07:31.133	SCET2:	00-364/03:33:17.133
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:	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:	48	TLMFMT:	LPU

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

WETGID: 0326048001 03 26 048 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038C7	0,0011,1000,1100,0111
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	038C7	0,0011,1000,1100,0111
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	038C7	0,0011,1000,1100,0111
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	038C7	0,0011,1000,1100,0111
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	038C7	0,0011,1000,1100,0111
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	038C7	0,0011,1000,1100,0111
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29INIWATCH02

OAPEL:	29INIWATCH02	ALIAS:	29INIWATCH02
EXT:	A	PSID:	DH
SCLK1:	05841649:89:0	SCLK2:	05841653:07:0
SCET1:	00-364/03:52:51.133	SCET2:	00-364/03:55:59.133
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	288	TLMFMT:	MPW

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

WETGID: 0326288001 03 26 288 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	039FF	0,0011,1001,1111,1111
1	039FF	0,0011,1001,1111,1111
2	039FF	0,0011,1001,1111,1111
3	039FF	0,0011,1001,1111,1111
4	039FF	0,0011,1001,1111,1111
5	039FF	0,0011,1001,1111,1111
6	039FF	0,0011,1001,1111,1111
7	039FF	0,0011,1001,1111,1111
8	039FF	0,0011,1001,1111,1111
9	039FF	0,0011,1001,1111,1111
10	039FF	0,0011,1001,1111,1111
11	039FF	0,0011,1001,1111,1111
12	039FF	0,0011,1001,1111,1111
13	039FF	0,0011,1001,1111,1111
14	039FF	0,0011,1001,1111,1111
15	039FF	0,0011,1001,1111,1111
16	039FF	0,0011,1001,1111,1111
17	039FF	0,0011,1001,1111,1111
18	039FF	0,0011,1001,1111,1111
19	039FF	0,0011,1001,1111,1111
20	039FF	0,0011,1001,1111,1111
21	039FF	0,0011,1001,1111,1111
22	039FF	0,0011,1001,1111,1111
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNGRWAKE02

OAPEL:	29JNGRWAKE02	ALIAS:	29JNGRWAKE02
EXT:	A	PSID:	DI
SCLK1:	05841656:90:0	SCLK2:	05841670:87:0
SCET1:	00-364/03:59:55.800	SCET2:	00-364/04:14:03.800
TARGET:	JUPITER	PARTITION:	1
MODE:	3	GAIN:	2
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	48	TLMFMT:	LPU

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

WETGID: 0326048001 03 26 048 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038C7	0,0011,1000,1100,0111
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	038C7	0,0011,1000,1100,0111
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	038C7	0,0011,1000,1100,0111
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	038C7	0,0011,1000,1100,0111
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	038C7	0,0011,1000,1100,0111
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	038C7	0,0011,1000,1100,0111
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNNEBRLT01

OAPEL: 29JNNEBRLT01
ALIAS: 29JNNEBRLT01
EXT: R
PSID: DJ
SCLK1: 05841679:00:0
SCLK2: 05841688:12:0
SCET1: 2000-364/04:22:12.133
SCET2: 2000-364/04:31:25.133
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: 10001
MB_UP: 10001
COMP_FLAG: 0
EST_COMP: 0.0
EST_COMPV: 0.0
RATE_CON1: 00000
RATE_CON2: 00000
NWAVETOT: 130
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: 0302130000 03 02 130 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	03CD7	0,0011,1100,1101,0111
1	03CD7	0,0011,1100,1101,0111
2	03CD7	0,0011,1100,1101,0111
3	03CD7	0,0011,1100,1101,0111
4	03CD7	0,0011,1100,1101,0111
5	03CD7	0,0011,1100,1101,0111
6	03CD7	0,0011,1100,1101,0111
7	03CD7	0,0011,1100,1101,0111
8	03CD7	0,0011,1100,1101,0111
9	03CD7	0,0011,1100,1101,0111
10	03CD7	0,0011,1100,1101,0111
11	03CD7	0,0011,1100,1101,0111
12	03CD7	0,0011,1100,1101,0111
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNNTZRLT01

OAPEL:	29JNNTZRLT01	ALIAS:	29JNNTZRLT01
EXT:	R	PSID:	DK
SCLK1:	05841704:00:0	SCLK2:	05841713:12:0
SCET1:	2000-364/04:47:27.800	SCET2:	2000-364/04:56:41.800
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:	10001	MB_UP:	10001
COMP_FLAG:	0		
EST_COMP:	0.0	EST_COMPV:	0.0
RATE_CON1:	00000	RATE_CON2:	00000
NWAVETOT:	130	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: 0302130000 03 02 130 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	03CD7	0,0011,1100,1101,0111
1	03CD7	0,0011,1100,1101,0111
2	03CD7	0,0011,1100,1101,0111
3	03CD7	0,0011,1100,1101,0111
4	03CD7	0,0011,1100,1101,0111
5	03CD7	0,0011,1100,1101,0111
6	03CD7	0,0011,1100,1101,0111
7	03CD7	0,0011,1100,1101,0111
8	03CD7	0,0011,1100,1101,0111
9	03CD7	0,0011,1100,1101,0111
10	03CD7	0,0011,1100,1101,0111
11	03CD7	0,0011,1100,1101,0111
12	03CD7	0,0011,1100,1101,0111
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNSTZRLT01

OAPEL:	29JNSTZRLT01	ALIAS:	29JNSTZRLT01
EXT:	R	PSID:	DL
SCLK1:	05841724:00:0	SCLK2:	05841733:12:0
SCET1:	2000-364/05:07:41.133	SCET2:	2000-364/05:16:55.133
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:	10001	MB_UP:	10001
COMP_FLAG:	0		
EST_COMP:	0.0	EST_COMPV:	0.0
RATE_CON1:	00000	RATE_CON2:	00000
NWAVETOT:	130	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: 0302130000 03 02 130 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	03CD7	0,0011,1100,1101,0111
1	03CD7	0,0011,1100,1101,0111
2	03CD7	0,0011,1100,1101,0111
3	03CD7	0,0011,1100,1101,0111
4	03CD7	0,0011,1100,1101,0111
5	03CD7	0,0011,1100,1101,0111
6	03CD7	0,0011,1100,1101,0111
7	03CD7	0,0011,1100,1101,0111
8	03CD7	0,0011,1100,1101,0111
9	03CD7	0,0011,1100,1101,0111
10	03CD7	0,0011,1100,1101,0111
11	03CD7	0,0011,1100,1101,0111
12	03CD7	0,0011,1100,1101,0111
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNHTSPOT01

OAPEL:	29JNHTSPOT01	ALIAS:	29JNHTSPOT01
EXT:	A	PSID:	DM
SCLK1:	05841740:90:0	SCLK2:	05841754:87:0
SCET1:	00-364/05:24:51.800	SCET2:	00-364/05:38:59.800
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	48	TLMFMT:	LPU

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

WETGID: 0326048001 03 26 048 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038C7	0,0011,1000,1100,0111
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	038C7	0,0011,1000,1100,0111
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	038C7	0,0011,1000,1100,0111
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	038C7	0,0011,1000,1100,0111
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	038C7	0,0011,1000,1100,0111
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	038C7	0,0011,1000,1100,0111
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNHTSPOT02

OAPEL:	29JNHTSPOT02	ALIAS:	29JNHTSPOT02
EXT:	A	PSID:	DN
SCLK1:	05841777:89:0	SCLK2:	05841793:74:0
SCET1:	00-364/06:02:16.466	SCET2:	00-364/06:18:16.466
TARGET:	JUPITER	PARTITION:	1
MODE:	3	GAIN:	2
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	48	TLMFMT:	LPU

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

WETGID: 0326048001 03 26 048 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038C7	0,0011,1000,1100,0111
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	038C7	0,0011,1000,1100,0111
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	038C7	0,0011,1000,1100,0111
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	038C7	0,0011,1000,1100,0111
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	038C7	0,0011,1000,1100,0111
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	038C7	0,0011,1000,1100,0111
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNNTZRLT02

```
OAPEL:  29JNNTZRLT02              ALIAS:  29JNNTZRLT02
EXT:    R                         PSID:   DP
SCLK1:  05842001:00:0             SCLK2:  05842010:12:0
SCET1:  2000-364/09:47:45.800     SCET2:  2000-364/09:56:59.800
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:   10001                  MB_UP:     10001
COMP_FLAG: 0
EST_COMP:  0.0                    EST_COMPV: 0.0
RATE_CON1: 00000                  RATE_CON2: 00000
NWAVETOT:  130                    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:    0302130000            03  02  130  000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	03CD7	0,0011,1100,1101,0111
1	03CD7	0,0011,1100,1101,0111
2	03CD7	0,0011,1100,1101,0111
3	03CD7	0,0011,1100,1101,0111
4	03CD7	0,0011,1100,1101,0111
5	03CD7	0,0011,1100,1101,0111
6	03CD7	0,0011,1100,1101,0111
7	03CD7	0,0011,1100,1101,0111
8	03CD7	0,0011,1100,1101,0111
9	03CD7	0,0011,1100,1101,0111
10	03CD7	0,0011,1100,1101,0111
11	03CD7	0,0011,1100,1101,0111
12	03CD7	0,0011,1100,1101,0111
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNSTZRLT02

OAPEL:	29JNSTZRLT02	ALIAS:	29JNSTZRLT02
EXT:	R	PSID:	DQ
SCLK1:	05842016:00:0	SCLK2:	05842021:12:0
SCET1:	2000-364/10:02:55.800	SCET2:	2000-364/10:08:07.133
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:	10001	MB_UP:	10001
COMP_FLAG:	0		
EST_COMP:	0.0	EST_COMPV:	0.0
RATE_CON1:	00000	RATE_CON2:	00000
NWAVETOT:	130	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: 0302130000 03 02 130 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	03CD7	0,0011,1100,1101,0111
1	03CD7	0,0011,1100,1101,0111
2	03CD7	0,0011,1100,1101,0111
3	03CD7	0,0011,1100,1101,0111
4	03CD7	0,0011,1100,1101,0111
5	03CD7	0,0011,1100,1101,0111
6	03CD7	0,0011,1100,1101,0111
7	03CD7	0,0011,1100,1101,0111
8	03CD7	0,0011,1100,1101,0111
9	03CD7	0,0011,1100,1101,0111
10	03CD7	0,0011,1100,1101,0111
11	03CD7	0,0011,1100,1101,0111
12	03CD7	0,0011,1100,1101,0111
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNAURORA01

OAPEL:	29JNAURORA01	ALIAS:	29JNAURORA01
EXT:	A	PSID:	DR
SCLK1:	05842181:90:0	SCLK2:	05842193:74:0
SCET1:	00-364/12:50:45.800	SCET2:	00-364/13:02:43.133
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	72	TLMFMT:	LPU

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

WETGID: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	00010	0,0000,0000,0001,0000
2	00010	0,0000,0000,0001,0000
3	00010	0,0000,0000,0001,0000
4	038D7	0,0011,1000,1101,0111
5	00010	0,0000,0000,0001,0000
6	00010	0,0000,0000,0001,0000
7	00010	0,0000,0000,0001,0000
8	038D7	0,0011,1000,1101,0111
9	00010	0,0000,0000,0001,0000
10	00010	0,0000,0000,0001,0000
11	00010	0,0000,0000,0001,0000
12	038D7	0,0011,1000,1101,0111
13	00010	0,0000,0000,0001,0000
14	00010	0,0000,0000,0001,0000
15	00010	0,0000,0000,0001,0000
16	038D7	0,0011,1000,1101,0111
17	00010	0,0000,0000,0001,0000
18	00010	0,0000,0000,0001,0000
19	00010	0,0000,0000,0001,0000
20	038D7	0,0011,1000,1101,0111
21	00010	0,0000,0000,0001,0000
22	00010	0,0000,0000,0001,0000
23	00010	0,0000,0000,0001,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNLIMBRT01

OAPEL:	29JNLIMBRT01	ALIAS:	29JNLIMBRT01
EXT:	R	PSID:	DS
SCLK1:	05842199:00:0	SCLK2:	05842203:12:0
SCET1:	2000-364/13:07:57.800	SCET2:	2000-364/13:12:08.466
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	0		
EST_COMP:	0.0	EST_COMPV:	0.0
RATE_CON1:	00000	RATE_CON2:	00000
NWAVETOT:	080	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: 0302080000 03 02 080 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000FF	0,0000,0000,1111,1111
1	000FF	0,0000,0000,1111,1111
2	000FF	0,0000,0000,1111,1111
3	000FF	0,0000,0000,1111,1111
4	000FF	0,0000,0000,1111,1111
5	000FF	0,0000,0000,1111,1111
6	000FF	0,0000,0000,1111,1111
7	000FF	0,0000,0000,1111,1111
8	000FF	0,0000,0000,1111,1111
9	000FF	0,0000,0000,1111,1111
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29ENGLOBAL01

OAPEL:	29ENGLOBAL01	ALIAS:	29ENGLOBAL01
EXT:	A	PSID:	DT
SCLK1:	05842220:89:0	SCLK2:	05842223:84:0
SCET1:	00-364/13:30:11.133	SCET2:	00-364/13:33:09.800
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:	288	TLMFMT:	MPW

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

WETGID: 0326288001 03 26 288 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	039FF	0,0011,1001,1111,1111
1	039FF	0,0011,1001,1111,1111
2	039FF	0,0011,1001,1111,1111
3	039FF	0,0011,1001,1111,1111
4	039FF	0,0011,1001,1111,1111
5	039FF	0,0011,1001,1111,1111
6	039FF	0,0011,1001,1111,1111
7	039FF	0,0011,1001,1111,1111
8	039FF	0,0011,1001,1111,1111
9	039FF	0,0011,1001,1111,1111
10	039FF	0,0011,1001,1111,1111
11	039FF	0,0011,1001,1111,1111
12	039FF	0,0011,1001,1111,1111
13	039FF	0,0011,1001,1111,1111
14	039FF	0,0011,1001,1111,1111
15	039FF	0,0011,1001,1111,1111
16	039FF	0,0011,1001,1111,1111
17	039FF	0,0011,1001,1111,1111
18	039FF	0,0011,1001,1111,1111
19	039FF	0,0011,1001,1111,1111
20	039FF	0,0011,1001,1111,1111
21	039FF	0,0011,1001,1111,1111
22	039FF	0,0011,1001,1111,1111
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNAURORA02

OAPEL:	29JNAURORA02	ALIAS:	29JNAURORA02
EXT:	A	PSID:	DU
SCLK1:	05842240:90:0	SCLK2:	05842253:74:0
SCET1:	00-364/13:50:25.133	SCET2:	00-364/14:03:23.133
TARGET:	JUPITER	PARTITION:	1
MODE:	3	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	72	TLMFMT:	LPU

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

WETGID: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	00010	0,0000,0000,0001,0000
2	00010	0,0000,0000,0001,0000
3	00010	0,0000,0000,0001,0000
4	038D7	0,0011,1000,1101,0111
5	00010	0,0000,0000,0001,0000
6	00010	0,0000,0000,0001,0000
7	00010	0,0000,0000,0001,0000
8	038D7	0,0011,1000,1101,0111
9	00010	0,0000,0000,0001,0000
10	00010	0,0000,0000,0001,0000
11	00010	0,0000,0000,0001,0000
12	038D7	0,0011,1000,1101,0111
13	00010	0,0000,0000,0001,0000
14	00010	0,0000,0000,0001,0000
15	00010	0,0000,0000,0001,0000
16	038D7	0,0011,1000,1101,0111
17	00010	0,0000,0000,0001,0000
18	00010	0,0000,0000,0001,0000
19	00010	0,0000,0000,0001,0000
20	038D7	0,0011,1000,1101,0111
21	00010	0,0000,0000,0001,0000
22	00010	0,0000,0000,0001,0000
23	00010	0,0000,0000,0001,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNLIMBRT02

OAPEL:	29JNLIMBRT02	ALIAS:	29JNLIMBRT02
EXT:	R	PSID:	DV
SCLK1:	05842259:00:0	SCLK2:	05842263:12:0
SCET1:	2000-364/14:08:37.800	SCET2:	2000-364/14:12:48.466
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	0		
EST_COMP:	0.0	EST_COMPV:	0.0
RATE_CON1:	00000	RATE_CON2:	00000
NWAVETOT:	080	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: 0302080000 03 02 080 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000FF	0,0000,0000,1111,1111
1	000FF	0,0000,0000,1111,1111
2	000FF	0,0000,0000,1111,1111
3	000FF	0,0000,0000,1111,1111
4	000FF	0,0000,0000,1111,1111
5	000FF	0,0000,0000,1111,1111
6	000FF	0,0000,0000,1111,1111
7	000FF	0,0000,0000,1111,1111
8	000FF	0,0000,0000,1111,1111
9	000FF	0,0000,0000,1111,1111
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNAURORA03

OAPEL:	29JNAURORA03	ALIAS:	29JNAURORA03
EXT:	A	PSID:	DX
SCLK1:	05842301:90:0	SCLK2:	05842313:83:0
SCET1:	00-364/14:52:05.800	SCET2:	00-364/15:04:09.800
TARGET:	JUPITER	PARTITION:	1
MODE:	3	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	72	TLMFMT:	LPU

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

WETGID: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	00010	0,0000,0000,0001,0000
2	00010	0,0000,0000,0001,0000
3	00010	0,0000,0000,0001,0000
4	038D7	0,0011,1000,1101,0111
5	00010	0,0000,0000,0001,0000
6	00010	0,0000,0000,0001,0000
7	00010	0,0000,0000,0001,0000
8	038D7	0,0011,1000,1101,0111
9	00010	0,0000,0000,0001,0000
10	00010	0,0000,0000,0001,0000
11	00010	0,0000,0000,0001,0000
12	038D7	0,0011,1000,1101,0111
13	00010	0,0000,0000,0001,0000
14	00010	0,0000,0000,0001,0000
15	00010	0,0000,0000,0001,0000
16	038D7	0,0011,1000,1101,0111
17	00010	0,0000,0000,0001,0000
18	00010	0,0000,0000,0001,0000
19	00010	0,0000,0000,0001,0000
20	038D7	0,0011,1000,1101,0111
21	00010	0,0000,0000,0001,0000
22	00010	0,0000,0000,0001,0000
23	00010	0,0000,0000,0001,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNLIMBRT03

OAPEL:	29JNLIMBRT03	ALIAS:	29JNLIMBRT03
EXT:	R	PSID:	DY
SCLK1:	05842319:00:0	SCLK2:	05842323:12:0
SCET1:	2000-364/15:09:17.800	SCET2:	2000-364/15:13:28.466
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	0		
EST_COMP:	0.0	EST_COMPV:	0.0
RATE_CON1:	00000	RATE_CON2:	00000
NWAVETOT:	080	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: 0302080000 03 02 080 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000FF	0,0000,0000,1111,1111
1	000FF	0,0000,0000,1111,1111
2	000FF	0,0000,0000,1111,1111
3	000FF	0,0000,0000,1111,1111
4	000FF	0,0000,0000,1111,1111
5	000FF	0,0000,0000,1111,1111
6	000FF	0,0000,0000,1111,1111
7	000FF	0,0000,0000,1111,1111
8	000FF	0,0000,0000,1111,1111
9	000FF	0,0000,0000,1111,1111
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNAURORA04

```
OAPEL:  29JNAURORA04            ALIAS:  29JNAURORA04
EXT:    A                       PSID:   DZ
SCLK1:  05842361:89:0           SCLK2:  05842373:85:0
SCET1:    00-364/15:52:45.800   SCET2:    00-364/16:04:51.133
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   72                  TLMFMT:    LPU

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

WETGID:    0326072001          03  26  072  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	00010	0,0000,0000,0001,0000
2	00010	0,0000,0000,0001,0000
3	00010	0,0000,0000,0001,0000
4	038D7	0,0011,1000,1101,0111
5	00010	0,0000,0000,0001,0000
6	00010	0,0000,0000,0001,0000
7	00010	0,0000,0000,0001,0000
8	038D7	0,0011,1000,1101,0111
9	00010	0,0000,0000,0001,0000
10	00010	0,0000,0000,0001,0000
11	00010	0,0000,0000,0001,0000
12	038D7	0,0011,1000,1101,0111
13	00010	0,0000,0000,0001,0000
14	00010	0,0000,0000,0001,0000
15	00010	0,0000,0000,0001,0000
16	038D7	0,0011,1000,1101,0111
17	00010	0,0000,0000,0001,0000
18	00010	0,0000,0000,0001,0000
19	00010	0,0000,0000,0001,0000
20	038D7	0,0011,1000,1101,0111
21	00010	0,0000,0000,0001,0000
22	00010	0,0000,0000,0001,0000
23	00010	0,0000,0000,0001,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNAURORA05

```
OAPEL:  29JNAURORA05            ALIAS:  29JNAURORA05
EXT:    A                       PSID:   EB
SCLK1:  05842420:89:0           SCLK2:  05842433:70:0
SCET1:    00-364/16:52:25.133   SCET2:    00-364/17:05:21.133
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   72                  TLMFMT:    LPU

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

WETGID:    0326072001          03  26  072  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	00010	0,0000,0000,0001,0000
2	00010	0,0000,0000,0001,0000
3	00010	0,0000,0000,0001,0000
4	038D7	0,0011,1000,1101,0111
5	00010	0,0000,0000,0001,0000
6	00010	0,0000,0000,0001,0000
7	00010	0,0000,0000,0001,0000
8	038D7	0,0011,1000,1101,0111
9	00010	0,0000,0000,0001,0000
10	00010	0,0000,0000,0001,0000
11	00010	0,0000,0000,0001,0000
12	038D7	0,0011,1000,1101,0111
13	00010	0,0000,0000,0001,0000
14	00010	0,0000,0000,0001,0000
15	00010	0,0000,0000,0001,0000
16	038D7	0,0011,1000,1101,0111
17	00010	0,0000,0000,0001,0000
18	00010	0,0000,0000,0001,0000
19	00010	0,0000,0000,0001,0000
20	038D7	0,0011,1000,1101,0111
21	00010	0,0000,0000,0001,0000
22	00010	0,0000,0000,0001,0000
23	00010	0,0000,0000,0001,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNAURORA06

OAPEL:	29JNAURORA06	ALIAS:	29JNAURORA06
EXT:	A	PSID:	ED
SCLK1:	05842483:89:0	SCLK2:	05842494:01:0
SCET1:	00-364/17:56:07.133	SCET2:	00-364/18:06:15.133
TARGET:	JUPITER	PARTITION:	1
MODE:	3	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	72	TLMFMT:	LPU

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

WETGID: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	00010	0,0000,0000,0001,0000
2	00010	0,0000,0000,0001,0000
3	00010	0,0000,0000,0001,0000
4	038D7	0,0011,1000,1101,0111
5	00010	0,0000,0000,0001,0000
6	00010	0,0000,0000,0001,0000
7	00010	0,0000,0000,0001,0000
8	038D7	0,0011,1000,1101,0111
9	00010	0,0000,0000,0001,0000
10	00010	0,0000,0000,0001,0000
11	00010	0,0000,0000,0001,0000
12	038D7	0,0011,1000,1101,0111
13	00010	0,0000,0000,0001,0000
14	00010	0,0000,0000,0001,0000
15	00010	0,0000,0000,0001,0000
16	038D7	0,0011,1000,1101,0111
17	00010	0,0000,0000,0001,0000
18	00010	0,0000,0000,0001,0000
19	00010	0,0000,0000,0001,0000
20	038D7	0,0011,1000,1101,0111
21	00010	0,0000,0000,0001,0000
22	00010	0,0000,0000,0001,0000
23	00010	0,0000,0000,0001,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNLIMBRT06

OAPEL:	29JNLIMBRT06	ALIAS:	29JNLIMBRT06
EXT:	R	PSID:	EE
SCLK1:	05842499:00:0	SCLK2:	05842503:12:0
SCET1:	2000-364/18:11:17.800	SCET2:	2000-364/18:15:28.466
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	0		
EST_COMP:	0.0	EST_COMPV:	0.0
RATE_CON1:	00000	RATE_CON2:	00000
NWAVETOT:	080	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: 0302080000 03 02 080 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000FF	0,0000,0000,1111,1111
1	000FF	0,0000,0000,1111,1111
2	000FF	0,0000,0000,1111,1111
3	000FF	0,0000,0000,1111,1111
4	000FF	0,0000,0000,1111,1111
5	000FF	0,0000,0000,1111,1111
6	000FF	0,0000,0000,1111,1111
7	000FF	0,0000,0000,1111,1111
8	000FF	0,0000,0000,1111,1111
9	000FF	0,0000,0000,1111,1111
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNAURORA07

```
OAPEL:  29JNAURORA07             ALIAS:  29JNAURORA07
EXT:    A                        PSID:   EF
SCLK1:  05842561:89:0            SCLK2:  05842574:03:0
SCET1:    00-364/19:14:59.133    SCET2:    00-364/19:27:10.466
TARGET: JUPITER                  PARTITION: 1

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

MB_DOWN:   00000                 MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                   EST_COMPV: 0.3
RATE_CON1: 00000                 RATE_CON2: 65525
NWAVETOT:   72                   TLMFMT:    LPU

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

WETGID:    0326072001           03  26  072  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	00010	0,0000,0000,0001,0000
2	00010	0,0000,0000,0001,0000
3	00010	0,0000,0000,0001,0000
4	038D7	0,0011,1000,1101,0111
5	00010	0,0000,0000,0001,0000
6	00010	0,0000,0000,0001,0000
7	00010	0,0000,0000,0001,0000
8	038D7	0,0011,1000,1101,0111
9	00010	0,0000,0000,0001,0000
10	00010	0,0000,0000,0001,0000
11	00010	0,0000,0000,0001,0000
12	038D7	0,0011,1000,1101,0111
13	00010	0,0000,0000,0001,0000
14	00010	0,0000,0000,0001,0000
15	00010	0,0000,0000,0001,0000
16	038D7	0,0011,1000,1101,0111
17	00010	0,0000,0000,0001,0000
18	00010	0,0000,0000,0001,0000
19	00010	0,0000,0000,0001,0000
20	038D7	0,0011,1000,1101,0111
21	00010	0,0000,0000,0001,0000
22	00010	0,0000,0000,0001,0000
23	00010	0,0000,0000,0001,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNLIMBRT07

OAPEL:	29JNLIMBRT07	ALIAS:	29JNLIMBRT07
EXT:	R	PSID:	EG
SCLK1:	05842579:00:0	SCLK2:	05842583:12:0
SCET1:	2000-364/19:32:11.133	SCET2:	2000-364/19:36:21.800
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	0		
EST_COMP:	0.0	EST_COMPV:	0.0
RATE_CON1:	00000	RATE_CON2:	00000
NWAVETOT:	080	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: 0302080000 03 02 080 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000FF	0,0000,0000,1111,1111
1	000FF	0,0000,0000,1111,1111
2	000FF	0,0000,0000,1111,1111
3	000FF	0,0000,0000,1111,1111
4	000FF	0,0000,0000,1111,1111
5	000FF	0,0000,0000,1111,1111
6	000FF	0,0000,0000,1111,1111
7	000FF	0,0000,0000,1111,1111
8	000FF	0,0000,0000,1111,1111
9	000FF	0,0000,0000,1111,1111
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNAURORA08

OAPEL: 29JNAURORA08
EXT: A
SCLK1: 05842621:89:0
SCET1: 00-364/20:15:39.133
TARGET: JUPITER

ALIAS: 29JNAURORA08
PSID: EH
SCLK2: 05842634:07:0
SCET2: 00-364/20:27:53.133
PARTITION: 1

MODE: 3
CHOP: 1
PTAB_A: 1 1 0 0 124
ECAL: 0
R/T: 0

GAIN: 4
GRAT_OFF: 4
PTAB_B: 1 1 0 0 124
OPCAL: 0
RECORD: 1

MB_DOWN: 00000
COMP_FLAG: 1
EST_COMP: 2.0
RATE_CON1: 00000
NWAVETOT: 72

MB_UP: 00000
EST_COMPV: 0.3
RATE_CON2: 65525
TLMFMT: LPU

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

WETGID: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	00010	0,0000,0000,0001,0000
2	00010	0,0000,0000,0001,0000
3	00010	0,0000,0000,0001,0000
4	038D7	0,0011,1000,1101,0111
5	00010	0,0000,0000,0001,0000
6	00010	0,0000,0000,0001,0000
7	00010	0,0000,0000,0001,0000
8	038D7	0,0011,1000,1101,0111
9	00010	0,0000,0000,0001,0000
10	00010	0,0000,0000,0001,0000
11	00010	0,0000,0000,0001,0000
12	038D7	0,0011,1000,1101,0111
13	00010	0,0000,0000,0001,0000
14	00010	0,0000,0000,0001,0000
15	00010	0,0000,0000,0001,0000
16	038D7	0,0011,1000,1101,0111
17	00010	0,0000,0000,0001,0000
18	00010	0,0000,0000,0001,0000
19	00010	0,0000,0000,0001,0000
20	038D7	0,0011,1000,1101,0111
21	00010	0,0000,0000,0001,0000
22	00010	0,0000,0000,0001,0000
23	00010	0,0000,0000,0001,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNAURORA09

OAPEL:	29JNAURORA09	ALIAS:	29JNAURORA09
EXT:	A	PSID:	EK
SCLK1:	05842682:89:0	SCLK2:	05842695:71:0
SCET1:	00-364/21:17:19.800	SCET2:	00-364/21:30:15.800
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	72	TLMFMT:	LPU

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

WETGID: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	00010	0,0000,0000,0001,0000
2	00010	0,0000,0000,0001,0000
3	00010	0,0000,0000,0001,0000
4	038D7	0,0011,1000,1101,0111
5	00010	0,0000,0000,0001,0000
6	00010	0,0000,0000,0001,0000
7	00010	0,0000,0000,0001,0000
8	038D7	0,0011,1000,1101,0111
9	00010	0,0000,0000,0001,0000
10	00010	0,0000,0000,0001,0000
11	00010	0,0000,0000,0001,0000
12	038D7	0,0011,1000,1101,0111
13	00010	0,0000,0000,0001,0000
14	00010	0,0000,0000,0001,0000
15	00010	0,0000,0000,0001,0000
16	038D7	0,0011,1000,1101,0111
17	00010	0,0000,0000,0001,0000
18	00010	0,0000,0000,0001,0000
19	00010	0,0000,0000,0001,0000
20	038D7	0,0011,1000,1101,0111
21	00010	0,0000,0000,0001,0000
22	00010	0,0000,0000,0001,0000
23	00010	0,0000,0000,0001,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNAURORA10

OAPEL:	29JNAURORA10	ALIAS:	29JNAURORA10
EXT:	A	PSID:	EL
SCLK1:	05842740:89:0	SCLK2:	05842753:70:0
SCET1:	00-364/22:15:58.466	SCET2:	00-364/22:28:54.466
TARGET:	JUPITER	PARTITION:	1
MODE:	3	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	72	TLMFMT:	LPU

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

WETGID: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	00010	0,0000,0000,0001,0000
2	00010	0,0000,0000,0001,0000
3	00010	0,0000,0000,0001,0000
4	038D7	0,0011,1000,1101,0111
5	00010	0,0000,0000,0001,0000
6	00010	0,0000,0000,0001,0000
7	00010	0,0000,0000,0001,0000
8	038D7	0,0011,1000,1101,0111
9	00010	0,0000,0000,0001,0000
10	00010	0,0000,0000,0001,0000
11	00010	0,0000,0000,0001,0000
12	038D7	0,0011,1000,1101,0111
13	00010	0,0000,0000,0001,0000
14	00010	0,0000,0000,0001,0000
15	00010	0,0000,0000,0001,0000
16	038D7	0,0011,1000,1101,0111
17	00010	0,0000,0000,0001,0000
18	00010	0,0000,0000,0001,0000
19	00010	0,0000,0000,0001,0000
20	038D7	0,0011,1000,1101,0111
21	00010	0,0000,0000,0001,0000
22	00010	0,0000,0000,0001,0000
23	00010	0,0000,0000,0001,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNSTZRLT03

```
OAPEL:  29JNSTZRLT03             ALIAS:  29JNSTZRLT03
EXT:    R                        PSID:   EP
SCLK1:  05843112:00:0            SCLK2:  05843121:12:0
SCET1:  2000-365/04:31:06.400    SCET2:  2000-365/04:40:20.400
TARGET: JUPITER                  PARTITION: 1

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

MB_DOWN:    10001                MB_UP:      10001
COMP_FLAG:  0
EST_COMP:   0.0                  EST_COMPV:  0.0
RATE_CON1:  00000                RATE_CON2:  00000
NWAVETOT:   130                  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:     0302130000          03  02  130  000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	03CD7	0,0011,1100,1101,0111
1	03CD7	0,0011,1100,1101,0111
2	03CD7	0,0011,1100,1101,0111
3	03CD7	0,0011,1100,1101,0111
4	03CD7	0,0011,1100,1101,0111
5	03CD7	0,0011,1100,1101,0111
6	03CD7	0,0011,1100,1101,0111
7	03CD7	0,0011,1100,1101,0111
8	03CD7	0,0011,1100,1101,0111
9	03CD7	0,0011,1100,1101,0111
10	03CD7	0,0011,1100,1101,0111
11	03CD7	0,0011,1100,1101,0111
12	03CD7	0,0011,1100,1101,0111
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNWTOVAL01

```
OAPEL:  29JNWTOVAL01              ALIAS:  29JNWTOVAL01
EXT:    A                         PSID:   EQ
SCLK1:  05843127:89:0             SCLK2:  05843143:84:0
SCET1:    00-365/04:47:16.400     SCET2:    00-365/05:03:23.733
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:   48                    TLMFMT:    LPU

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

WETGID:    0326048001            03  26  048  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038C7	0,0011,1000,1100,0111
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	038C7	0,0011,1000,1100,0111
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	038C7	0,0011,1000,1100,0111
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	038C7	0,0011,1000,1100,0111
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	038C7	0,0011,1000,1100,0111
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	038C7	0,0011,1000,1100,0111
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNJUPNTZ01

OAPEL:	29JNJUPNTZ01	ALIAS:	29JNJUPNTZ01
EXT:	A	PSID:	ER
SCLK1:	05843147:90:0	SCLK2:	05843179:62:0
SCET1:	00-365/05:07:29.733	SCET2:	00-365/05:39:33.066
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:	24	TLMFMT:	LPU

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

WETGID: 0326024001 03 26 024 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00042	0,0000,0000,0100,0010
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	038C7	0,0011,1000,1100,0111
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00042	0,0000,0000,0100,0010
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00042	0,0000,0000,0100,0010
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	038C7	0,0011,1000,1100,0111
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00042	0,0000,0000,0100,0010
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29INIWATCH03

OAPEL:	29INIWATCH03	ALIAS:	29INIWATCH03
EXT:	A	PSID:	ES
SCLK1:	05844510:89:0	SCLK2:	05844513:59:0
SCET1:	00-366/04:05:38.400	SCET2:	00-366/04:08:19.733
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	288	TLMFMT:	MPW

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

WETGID: 0326288001 03 26 288 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	039FF	0,0011,1001,1111,1111
1	039FF	0,0011,1001,1111,1111
2	039FF	0,0011,1001,1111,1111
3	039FF	0,0011,1001,1111,1111
4	039FF	0,0011,1001,1111,1111
5	039FF	0,0011,1001,1111,1111
6	039FF	0,0011,1001,1111,1111
7	039FF	0,0011,1001,1111,1111
8	039FF	0,0011,1001,1111,1111
9	039FF	0,0011,1001,1111,1111
10	039FF	0,0011,1001,1111,1111
11	039FF	0,0011,1001,1111,1111
12	039FF	0,0011,1001,1111,1111
13	039FF	0,0011,1001,1111,1111
14	039FF	0,0011,1001,1111,1111
15	039FF	0,0011,1001,1111,1111
16	039FF	0,0011,1001,1111,1111
17	039FF	0,0011,1001,1111,1111
18	039FF	0,0011,1001,1111,1111
19	039FF	0,0011,1001,1111,1111
20	039FF	0,0011,1001,1111,1111
21	039FF	0,0011,1001,1111,1111
22	039FF	0,0011,1001,1111,1111
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29JNGLOBAL01

OAPEL:	29JNGLOBAL01	ALIAS:	29JNGLOBAL01
EXT:	A	PSID:	ET
SCLK1:	05845011:90:0	SCLK2:	05845022:39:0
SCET1:	00-366/12:32:12.400	SCET2:	00-366/12:42:46.400
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:	9	TLMFMT:	LPU

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

WETGID: 0713009001 07 13 009 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	038D7	0,0011,1000,1101,0111
2	038D7	0,0011,1000,1101,0111
3	038D7	0,0011,1000,1101,0111
4	038D7	0,0011,1000,1101,0111
5	038D7	0,0011,1000,1101,0111
6	038D7	0,0011,1000,1101,0111
7	038D7	0,0011,1000,1101,0111
8	038D7	0,0011,1000,1101,0111
9	038D7	0,0011,1000,1101,0111
10	038D7	0,0011,1000,1101,0111
11	038D7	0,0011,1000,1101,0111
12	00000	0,0000,0000,0000,0000

29JNGLOBAL02

OAPEL:	29JNGLOBAL02	ALIAS:	29JNGLOBAL02
EXT:	A	PSID:	EU
SCLK1:	05845110:90:0	SCLK2:	05845121:40:0
SCET1:	00-366/14:12:18.400	SCET2:	00-366/14:22:52.400
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:	9	TLMFMT:	LPU

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

WETGID: 0713009001 07 13 009 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	038D7	0,0011,1000,1101,0111
2	038D7	0,0011,1000,1101,0111
3	038D7	0,0011,1000,1101,0111
4	038D7	0,0011,1000,1101,0111
5	038D7	0,0011,1000,1101,0111
6	038D7	0,0011,1000,1101,0111
7	038D7	0,0011,1000,1101,0111
8	038D7	0,0011,1000,1101,0111
9	038D7	0,0011,1000,1101,0111
10	038D7	0,0011,1000,1101,0111
11	038D7	0,0011,1000,1101,0111
12	00000	0,0000,0000,0000,0000

29JNGLOBAL03

OAPEL:	29JNGLOBAL03	ALIAS:	29JNGLOBAL03
EXT:	A	PSID:	EV
SCLK1:	05845209:90:0	SCLK2:	05845220:39:0
SCET1:	00-366/15:52:24.333	SCET2:	00-366/16:02:58.333
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:	9	TLMFMT:	LPU

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

WETGID: 0713009001 07 13 009 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	038D7	0,0011,1000,1101,0111
2	038D7	0,0011,1000,1101,0111
3	038D7	0,0011,1000,1101,0111
4	038D7	0,0011,1000,1101,0111
5	038D7	0,0011,1000,1101,0111
6	038D7	0,0011,1000,1101,0111
7	038D7	0,0011,1000,1101,0111
8	038D7	0,0011,1000,1101,0111
9	038D7	0,0011,1000,1101,0111
10	038D7	0,0011,1000,1101,0111
11	038D7	0,0011,1000,1101,0111
12	00000	0,0000,0000,0000,0000

29JNGLOBAL04

OAPEL:	29JNGLOBAL04	ALIAS:	29JNGLOBAL04
EXT:	A	PSID:	EW
SCLK1:	05845308:90:0	SCLK2:	05845319:39:0
SCET1:	00-366/17:32:30.333	SCET2:	00-366/17:43:04.333
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:	9	TLMFMT:	LPU

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

WETGID: 0713009001 07 13 009 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	038D7	0,0011,1000,1101,0111
2	038D7	0,0011,1000,1101,0111
3	038D7	0,0011,1000,1101,0111
4	038D7	0,0011,1000,1101,0111
5	038D7	0,0011,1000,1101,0111
6	038D7	0,0011,1000,1101,0111
7	038D7	0,0011,1000,1101,0111
8	038D7	0,0011,1000,1101,0111
9	038D7	0,0011,1000,1101,0111
10	038D7	0,0011,1000,1101,0111
11	038D7	0,0011,1000,1101,0111
12	00000	0,0000,0000,0000,0000

29JNGLOBAL05

OAPEL:	29JNGLOBAL05	ALIAS:	29JNGLOBAL05
EXT:	A	PSID:	EX
SCLK1:	05845407:90:0	SCLK2:	05845418:39:0
SCET1:	00-366/19:12:36.333	SCET2:	00-366/19:23:10.333
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:	9	TLMFMT:	LPU

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

WETGID: 0713009001 07 13 009 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	038D7	0,0011,1000,1101,0111
2	038D7	0,0011,1000,1101,0111
3	038D7	0,0011,1000,1101,0111
4	038D7	0,0011,1000,1101,0111
5	038D7	0,0011,1000,1101,0111
6	038D7	0,0011,1000,1101,0111
7	038D7	0,0011,1000,1101,0111
8	038D7	0,0011,1000,1101,0111
9	038D7	0,0011,1000,1101,0111
10	038D7	0,0011,1000,1101,0111
11	038D7	0,0011,1000,1101,0111
12	00000	0,0000,0000,0000,0000

29JNGLOBAL06

OAPEL:	29JNGLOBAL06	ALIAS:	29JNGLOBAL06
EXT:	A	PSID:	EY
SCLK1:	05845506:90:0	SCLK2:	05845517:39:0
SCET1:	00-366/20:52:42.333	SCET2:	00-366/21:03:16.333
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:	9	TLMFMT:	LPU

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

WETGID: 0713009001 07 13 009 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	038D7	0,0011,1000,1101,0111
2	038D7	0,0011,1000,1101,0111
3	038D7	0,0011,1000,1101,0111
4	038D7	0,0011,1000,1101,0111
5	038D7	0,0011,1000,1101,0111
6	038D7	0,0011,1000,1101,0111
7	038D7	0,0011,1000,1101,0111
8	038D7	0,0011,1000,1101,0111
9	038D7	0,0011,1000,1101,0111
10	038D7	0,0011,1000,1101,0111
11	038D7	0,0011,1000,1101,0111
12	00000	0,0000,0000,0000,0000

29HNSTRCAL01

OAPEL:	29HNSTRCAL01	ALIAS:	29HNSTRCAL01
EXT:	A	PSID:	DA
SCLK1:	06004969:88:0	SCLK2:	06004973:14:0
SCET1:	01-112/20:07:24.400	SCET2:	01-112/20:10:37.733
TARGET:	SKY	PARTITION:	1
MODE:	3	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	144	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: 0326144001 03 26 144 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	039C0	0,0011,1001,1100,0000
1	039C0	0,0011,1001,1100,0000
2	039C0	0,0011,1001,1100,0000
3	039C0	0,0011,1001,1100,0000
4	039C0	0,0011,1001,1100,0000
5	039C0	0,0011,1001,1100,0000
6	039C0	0,0011,1001,1100,0000
7	039C0	0,0011,1001,1100,0000
8	039C0	0,0011,1001,1100,0000
9	039C0	0,0011,1001,1100,0000
10	039C0	0,0011,1001,1100,0000
11	039C0	0,0011,1001,1100,0000
12	039C0	0,0011,1001,1100,0000
13	039C0	0,0011,1001,1100,0000
14	039C0	0,0011,1001,1100,0000
15	039C0	0,0011,1001,1100,0000
16	039C0	0,0011,1001,1100,0000
17	039C0	0,0011,1001,1100,0000
18	039C0	0,0011,1001,1100,0000
19	039C0	0,0011,1001,1100,0000
20	039C0	0,0011,1001,1100,0000
21	039C0	0,0011,1001,1100,0000
22	039C0	0,0011,1001,1100,0000
23	039C0	0,0011,1001,1100,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29HNDRKCAL02

OAPEL:	29HNDRKCAL02	ALIAS:	29HNDRKCAL01
EXT:	A	PSID:	B
SCLK1:	06004986:89:0	SCLK2:	06004987:90:0
SCET1:	01-112/20:24:37.066	SCET2:	01-112/20:25:37.733
TARGET:	SKY	PARTITION:	1
MODE:	3	GAIN:	2
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	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

29HNDRKCAL04

OAPEL:	29HNDRKCAL04	ALIAS:	29HNDRKCAL01
EXT:	A	PSID:	B
SCLK1:	06004988:00:0	SCLK2:	06004988:90:0
SCET1:	01-112/20:25:38.400	SCET2:	01-112/20:26:38.400
TARGET:	SKY	PARTITION:	1
MODE:	3	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	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

29HNDRKCAL03

OAPEL:	29HNDRKCAL03	ALIAS:	29HNDRKCAL01
EXT:	A	PSID:	B
SCLK1:	06004989:00:0	SCLK2:	06004989:90:0
SCET1:	01-112/20:26:41.066	SCET2:	01-112/20:27:39.066
TARGET:	SKY	PARTITION:	1
MODE:	3	GAIN:	3
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	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

29HNDRKCAL01

OAPEL:	29HNDRKCAL01	ALIAS:	29HNDRKCAL01
EXT:	A	PSID:	B
SCLK1:	06004990:00:0	SCLK2:	06004991:01:0
SCET1:	01-112/20:27:39.733	SCET2:	01-112/20:28:41.066
TARGET:	SKY	PARTITION:	1
MODE:	3	GAIN:	1
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	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

29NNRCTCAL01

OAPEL:	29NNRCTCAL01	ALIAS:	29NNRCTCAL01
EXT:	A	PSID:	C
SCLK1:	06006181:88:0	SCLK2:	06006191:83:0
SCET1:	01-113/16:32:53.066	SCET2:	01-113/16:42:56.400
TARGET:	CAL	PARTITION:	1
MODE:	3	GAIN:	1
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	216	TLMFMT:	MPW

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

WETGID: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	001FF	0,0000,0001,1111,1111
1	001FF	0,0000,0001,1111,1111
2	001FF	0,0000,0001,1111,1111
3	001FF	0,0000,0001,1111,1111
4	001FF	0,0000,0001,1111,1111
5	001FF	0,0000,0001,1111,1111
6	001FF	0,0000,0001,1111,1111
7	001FF	0,0000,0001,1111,1111
8	001FF	0,0000,0001,1111,1111
9	001FF	0,0000,0001,1111,1111
10	001FF	0,0000,0001,1111,1111
11	001FF	0,0000,0001,1111,1111
12	001FF	0,0000,0001,1111,1111
13	001FF	0,0000,0001,1111,1111
14	001FF	0,0000,0001,1111,1111
15	001FF	0,0000,0001,1111,1111
16	001FF	0,0000,0001,1111,1111
17	001FF	0,0000,0001,1111,1111
18	001FF	0,0000,0001,1111,1111
19	001FF	0,0000,0001,1111,1111
20	001FF	0,0000,0001,1111,1111
21	001FF	0,0000,0001,1111,1111
22	001FF	0,0000,0001,1111,1111
23	001FF	0,0000,0001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

29NNPCTCAL01

OAPEL:	29NNPCTCAL01	ALIAS:	29NNPCTCAL01
EXT:	A	PSID:	EA
SCLK1:	06006559:89:0	SCLK2:	06006565:02:0
SCET1:	01-113/22:55:05.733	SCET2:	01-113/23:00:11.733
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:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	216	TLMFMT:	MPW

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

WETGID: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDC0	1,1011,1101,1100,0000
1	1BDC0	1,1011,1101,1100,0000
2	1BDC0	1,1011,1101,1100,0000
3	1BDC0	1,1011,1101,1100,0000
4	1BDC0	1,1011,1101,1100,0000
5	1BDC0	1,1011,1101,1100,0000
6	1BDC0	1,1011,1101,1100,0000
7	1BDC0	1,1011,1101,1100,0000
8	1BDC0	1,1011,1101,1100,0000
9	1BDC0	1,1011,1101,1100,0000
10	1BDC0	1,1011,1101,1100,0000
11	1BDC0	1,1011,1101,1100,0000
12	1BDC0	1,1011,1101,1100,0000
13	1BDC0	1,1011,1101,1100,0000
14	1BDC0	1,1011,1101,1100,0000
15	1BDC0	1,1011,1101,1100,0000
16	1BDC0	1,1011,1101,1100,0000
17	1BDC0	1,1011,1101,1100,0000
18	1BDC0	1,1011,1101,1100,0000
19	1BDC0	1,1011,1101,1100,0000
20	1BDC0	1,1011,1101,1100,0000
21	1BDC0	1,1011,1101,1100,0000
22	1BDC0	1,1011,1101,1100,0000
23	1BDC0	1,1011,1101,1100,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

NIMS G29 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS G29 data. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry. Included items come from NIMS commands in (1) the Standard Sequence Data File (SSDF) and (2) the Playback Table Update Process (PTUP), plus some items from (3) the NIMS/CDS software load.

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

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

The source below is one of:

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

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

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

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


* THRESHSEL     1 105 - 105     .Threshold value select (>0 = yes)           PBK: THRESHLD_TBL > 0 (i.e. 1-3)
  <spare>       1 106 - 106     .
# RTISELDN      5 107 - 111     .RTI select, 5 binary bits (for mirror       SEF: 37MB data byte 1, bits 4-8 <tbd>
                                  position blocking, down scan)
# RTISELUP      5 112 - 116     .RTI select, 5 binary bits (for mirror       SEF: 37MB data byte 2, bits 4-8 <tbd>
                                  position blocking, up scan)
  <spare>       1 117 - 117     .
* RICEFLAG      1 118 - 118     .Rice compression flag                       PBK: 0 no compression
                                                                                  1 Rice compression, ref vals each mirror scan
                                                                                  3 Rice compression, ref vals each RIM rollover
  <spare>       1 119 - 119     .
  ESTCOMP       3 120 - 122     .Rice estimated compression ratio (m.n)      PBK: CMPR_DVSR <tbd>
  ESTCOMPV      3 123 - 125     .Rice estimated error in compression ratio (m.n)PBK: CMPR_UNC <tbd>
# RATECON1      5 126 - 130     .Rate control lower limit                    PBK: | S/W table entry indexed by LOSSY_COMP (1-7)
# RATECON2      5 131 - 135     .Rate control upper limit                    PBK: | or 0 if LOSSY_COMP = 0 (no rate control)
  <spare>      17 136 - 152
  NWAVETOT      3 153 - 155     .Total number of wavelengths selected        Compute from relevant Wavelength Edit Table group
  TLMFMT        3 156 - 158     .Telemetry format (MPW et al, LPU or LNR)      SEF: 6TMREC command
  SCET1        21 159 - 179     .Start time of played-back OBS in UTC        PBK (except realtime data: SEF)
  SCET2        21 180 - 200     .Stop time of played-back OBS in UTC         PBK (except realtime data: SEF)
<spares>       67 201 - 267     .Start time of played-back OBS in UTC        PBK (except realtime data: SEF)
* THRESH       51 268 - 318     .Threshold values (17 3-digit values, 0-999)   PBK: S/W table indexed by THRESH_TBL > 0, else 0s
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# WETGID       10 319 - 328     .Wavelength selection group ID (unique)         PBK: WET_GID    (realtime <tbd>)
                                  Rule of formation: mmeelllnnn where
                                   mm  = instrument mode (0-15)
                                   ee  = # entries in group
                                   lll = number of wavelengths selected
                                   nnn = sequence number
* WETGRPSIZ     2 329 - 330     .# Wavelength Edit entries (1-26)               PBK: ED_GRP_LEN (realtime SEF: 37ETB <tbd>)
* WETGRP      182 331 - 512     .Wavelength Edit Table group:  WETGRPSIZ        PBK: ED_GRP     (realtime SEF: 37ETB data bytes 2..)
                                  entries, each one has 7 characters.  The
                                  first 2 characters are the repeat count
                                  (01-26).  The other 5 characters contain
                                  5 hex digits, representing the detector
                                  mask in the form BHHHH where B is 0 or 1
                                  and H has range 0-15.  (These entries are
                                  from the 37ETB instrument edit group for
                                  realtime data and from the logical AND of
                                  corresponding entries in the instrument
                                  and playback edit groups for playback data.)
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.The TARGET names used are:
   CAL      - N - non-science targets, usually calibration targets
   EARTH    - W - Earth
   MOON     - L - Moon
   SKY      - H - Stellar Space (space and stars)
   VENUS    - V - Venus
   GASPRA   - P - Gaspra
   IDA      - U - Ida
   JUPITER  - J - Jupiter
   IO       - I - Io
   EUROPA   - E - Europa
   GANYMEDE - G - Ganymede
   CALLISTO - C - Callisto
   J_RING   - R - Jupiter rings
   (the single letter abbreviation appears as the third character in the OAPEL name ).
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29GNREGION0129GNREGION01ADA05840624:89:005840639:71:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        288MPW  00-363/10:36:27.866  00-363/10:51:25.866
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
29CNGLOBAL0129CNGLOBAL01ADB05840812:90:005840815:01:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        288MPW  00-363/13:46:33.200  00-363/13:48:36.533
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
29GNGLOBAL0129GNGLOBAL01ADC05841022:90:005841032:62:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        252LPU  00-363/17:18:53.200  00-363/17:28:41.200
           00000000000000000000000000000000000000000000000000003262520012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039F801039F801039F801039F801039F801039F801039F801039F801039F801039F801039F801039F801000000100000
29GNGLOBAL0229GNGLOBAL02ADD05841035:89:005841046:01:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        126LPU  00-363/17:32:01.866  00-363/17:42:09.866
           00000000000000000000000000000000000000000000000000003261260012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039F8010000001039F8010000001039F8010000001039F8010000001039F8010000001039F8010000001000000100000
29GNGLOBAL0329GNGLOBAL03ADE05841337:90:005841345:57:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        252LPU  00-363/22:37:23.133  00-363/22:45:06.466
           00000000000000000000000000000000000000000000000000003262520012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039F801039F801039F801039F801039F801039F801039F801039F801039F801039F801039F801039F801000000100000
29INIWATCH0129INIWATCH01ADF05841377:90:005841380:87:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        288MPW  00-363/23:17:49.800  00-363/23:20:49.800
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
29JNGRWAKE0129JNGRWAKE01ADG05841605:13:005841630:58:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         48LPU  00-364/03:07:31.133  00-364/03:33:17.133
           00000000000000000000000000000000000000000000000000003260480012601038C701000000100000010000001038C70100000010000001000
0001038C701000000100000010000001038C701000000100000010000001038C701000000100000010000001038C701000000100000010000001000000100000
29INIWATCH0229INIWATCH02ADH05841649:89:005841653:07:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        288MPW  00-364/03:52:51.133  00-364/03:55:59.133
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
29JNGRWAKE0229JNGRWAKE02ADI05841656:90:005841670:87:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         48LPU  00-364/03:59:55.800  00-364/04:14:03.800
           00000000000000000000000000000000000000000000000000003260480012601038C701000000100000010000001038C70100000010000001000
0001038C701000000100000010000001038C701000000100000010000001038C701000000100000010000001038C701000000100000010000001000000100000
29JNNEBRLT0129JNNEBRLT01RDJ05841679:00:005841688:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1000110001 0 0.00.0000
0000000                 130RT 2000-364/04:22:12.1332000-364/04:31:25.133
           0000000000000000000000000000000000000000000000000000302130000 21303CD71300000

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29JNNTZRLT0129JNNTZRLT01RDK05841704:00:005841713:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1000110001 0 0.00.0000
0000000                 130RT 2000-364/04:47:27.8002000-364/04:56:41.800
           0000000000000000000000000000000000000000000000000000302130000 21303CD71300000

29JNSTZRLT0129JNSTZRLT01RDL05841724:00:005841733:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1000110001 0 0.00.0000
0000000                 130RT 2000-364/05:07:41.1332000-364/05:16:55.133
           0000000000000000000000000000000000000000000000000000302130000 21303CD71300000

29JNHTSPOT0129JNHTSPOT01ADM05841740:90:005841754:87:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         48LPU  00-364/05:24:51.800  00-364/05:38:59.800
           0000000000000000000000000000000000000000000000000000003260480012601038C70100000001000000010000001038C70100000001000000010000
0001038C70100000001000000010000001038C70100000001000000010000001038C70100000001000000010000001038C7010000000100000001000000100000
29JNHTSPOT0229JNHTSPOT02ADN05841777:89:005841793:74:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         48LPU  00-364/06:02:16.466  00-364/06:18:16.466
           0000000000000000000000000000000000000000000000000000003260480012601038C70100000001000000010000001038C70100000001000000010000
0001038C70100000001000000010000001038C70100000001000000010000001038C70100000001000000010000001038C7010000000100000001000000100000
29JNNTZRLT0229JNNTZRLT02RDP05842001:00:005842010:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1000110001 0 0.00.0000
0000000                 130RT 2000-364/09:47:45.8002000-364/09:56:59.800
           0000000000000000000000000000000000000000000000000000302130000 21303CD71300000

29JNSTZRLT0229JNSTZRLT02RDQ05842016:00:005842021:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1000110001 0 0.00.0000
0000000                 130RT 2000-364/10:02:55.8002000-364/10:08:07.133
           0000000000000000000000000000000000000000000000000000302130000 21303CD71300000

29JNAURORA0129JNAURORA01ADR05842181:90:005842193:74:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         72LPU  00-364/12:50:45.800  00-364/13:02:43.133
           0000000000000000000000000000000000000000000000000000003260720012601038D70100010010001001000100 1038D7010001001000100100 0
1001038D7010001001000100100010 01038D70100010010001001000100 1038D7010001001000100100010 01038D7010001001000100100010 0100000100000
29JNLIMBRT0129JNLIMBRT01RDS05842199:00:005842203:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 080RT 2000-364/13:07:57.8002000-364/13:12:08.466
           0000000000000000000000000000000000000000000000000000302080000 210000FF1600000

29ENGLOBAL0129ENGLOBAL01ADT05842220:89:005842223:84:01         EUROPA   3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        288MPW  00-364/13:30:11.133  00-364/13:33:09.800
           0000000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF0100000001000000
29JNAURORA0229JNAURORA02ADU05842240:90:005842253:74:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         72LPU  00-364/13:50:25.133  00-364/14:03:23.133
           0000000000000000000000000000000000000000000000000000003260720012601038D70100010010001001000100 1038D7010001001000100100 0
1001038D7010001001000100100010 01038D70100010010001001000100 1038D7010001001000100100010 01038D7010001001000100100010 0100000100000
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29JNLIMBRT0229JNLIMBRT02RDV05842259:00:005842263:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 080RT 2000-364/14:08:37.8002000-364/14:12:48.466
           0000000000000000000000000000000000000000000000000000302080000 210000FF1600000

29JNAURORA0329JNAURORA03ADX05842301:90:005842313:83:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         72LPU  00-364/14:52:05.800  00-364/15:04:09.800
           00000000000000000000000000000000000000000000000000003260720012601038D701000100100010010001001038D70100010010001001000
1001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001000000100000
29JNLIMBRT0329JNLIMBRT03RDY05842319:00:005842323:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 080RT 2000-364/15:09:17.8002000-364/15:13:28.466
           0000000000000000000000000000000000000000000000000000302080000 210000FF1600000

29JNAURORA0429JNAURORA04ADZ05842361:89:005842373:85:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         72LPU  00-364/15:52:45.800  00-364/16:04:51.133
           00000000000000000000000000000000000000000000000000003260720012601038D701000100100010010001001038D70100010010001001000
1001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001000000100000
29JNAURORA0529JNAURORA05AEB05842420:89:005842433:70:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         72LPU  00-364/16:52:25.133  00-364/17:05:21.133
           00000000000000000000000000000000000000000000000000003260720012601038D701000100100010010001001038D70100010010001001000
1001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001000000100000
29JNAURORA0629JNAURORA06AED05842483:89:005842494:01:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         72LPU  00-364/17:56:07.133  00-364/18:06:15.133
           00000000000000000000000000000000000000000000000000003260720012601038D701000100100010010001001038D70100010010001001000
1001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001000000100000
29JNLIMBRT0629JNLIMBRT06REE05842499:00:005842503:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 080RT 2000-364/18:11:17.8002000-364/18:15:28.466
           0000000000000000000000000000000000000000000000000000302080000 210000FF1600000

29JNAURORA0729JNAURORA07AEF05842561:89:005842574:03:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         72LPU  00-364/19:14:59.133  00-364/19:27:10.466
           00000000000000000000000000000000000000000000000000003260720012601038D701000100100010010001001038D70100010010001001000
1001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001000000100000
29JNLIMBRT0729JNLIMBRT07REG05842579:00:005842583:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 080RT 2000-364/19:32:11.1332000-364/19:36:21.800
           0000000000000000000000000000000000000000000000000000302080000 210000FF1600000

29JNAURORA0829JNAURORA08AEH05842621:89:005842634:07:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         72LPU  00-364/20:15:39.133  00-364/20:27:53.133
           00000000000000000000000000000000000000000000000000003260720012601038D701000100100010010001001038D70100010010001001000
1001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001000000100000
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29JNAURORA0929JNAURORA09AEK05842682:89:005842695:71:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525         1         72LPU  00-364/21:17:19.800  00-364/21:30:15.800
           00000000000000000000000000000000000000000000000000003260720012601038D701000100100010010001001038D70100010010001001000
1001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001038D7010001001000100100010010000001000000
29JNAURORA1029JNAURORA10AEL05842740:89:005842753:70:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525         2         72LPU  00-364/22:15:58.466  00-364/22:28:54.466
           00000000000000000000000000000000000000000000000000003260720012601038D701000100100010010001001038D70100010010001001000
1001038D701000100100010010001001038D701000100100010010001001038D701000100100010010001001038D7010001001000100100010010000001000000
29JNSTZRLT0329JNSTZRLT03REP05843112:00:005843121:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1000110001 0 0.00.0000
0000000                  130RT 2000-365/04:31:06.4002000-365/04:40:20.400
           0000000000000000000000000000000000000000000000000000302130000 21303CD71300000

29JNWTOVAL0129JNWTOVAL01AEQ05843127:89:005843143:84:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525         1         48LPU  00-365/04:47:16.400  00-365/05:03:23.733
           00000000000000000000000000000000000000000000000000003260480012601038C701000000100000010000001038C70100000010000001000
0001038C701000000100000010000001038C701000000100000010000001038C701000000100000010000001038C7010000001000000100000010000001000000
29JNJUPNTZ0129JNJUPNTZ01AER05843147:90:005843179:62:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525         2         24LPU  00-365/05:07:29.733  00-365/05:39:33.066
           00000000000000000000000000000000000000000000000000003260240012601000420100000010000001000000103 8C70100000010000001000
0001000420100000010000001000000100042010000001000000100000010 38C701000000100000010000001000420100000010000001000000100000010 0000
29INIWATCH0329INIWATCH03AES05844510:89:005844513:59:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525         1        288MPW  00-366/04:05:38.400  00-366/04:08:19.733
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
29JNGLOBAL0129JNGLOBAL01AET05845011:90:005845022:39:01         JUPITER  7214 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525         2          9LPU  00-366/12:32:12.400  00-366/12:42:46.400
           00000000000000000000000000000000000000000000000000007130090011301038D701038D701038D701038D701038D701038D701038D701038
D701038D701038D701038D701038D70100000
29JNGLOBAL0229JNGLOBAL02AEU05845110:90:005845121:40:01         JUPITER  7214 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525         1          9LPU  00-366/14:12:18.400  00-366/14:22:52.400
           00000000000000000000000000000000000000000000000000007130090011301038D701038D701038D701038D701038D701038D701038D701038
D701038D701038D701038D701038D70100000
29JNGLOBAL0329JNGLOBAL03AEV05845209:90:005845220:39:01         JUPITER  7214 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525         1          9LPU  00-366/15:52:24.333  00-366/16:02:58.333
           00000000000000000000000000000000000000000000000000007130090011301038D701038D701038D701038D701038D701038D701038D701038
D701038D701038D701038D701038D70100000
29JNGLOBAL0429JNGLOBAL04AEW05845308:90:005845319:39:01         JUPITER  7214 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525         1          9LPU  00-366/17:32:30.333  00-366/17:43:04.333
           00000000000000000000000000000000000000000000000000007130090011301038D701038D701038D701038D701038D701038D701038D701038
D701038D701038D701038D701038D70100000
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29JNGLOBAL0529JNGLOBAL05AEX05845407:90:005845418:39:01         JUPITER  7214 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525        1          9LPU  00-366/19:12:36.333  00-366/19:23:10.333
           00000000000000000000000000000000000000000000000000007130090011301038D701038D701038D701038D701038D701038D701038D701038
D701038D701038D701038D701038D70100000
29JNGLOBAL0629JNGLOBAL06AEY05845506:90:005845517:39:01         JUPITER  7214 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525        1          9LPU  00-366/20:52:42.333  00-366/21:03:16.333
           00000000000000000000000000000000000000000000000000007130090011301038D701038D701038D701038D701038D701038D701038D701038
D701038D701038D701038D701038D70100000
29HNSTRCAL0129HNSTRCAL01ADA06004969:88:006004973:14:01         SKY      3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        144MPW  01-112/20:07:24.400  01-112/20:10:37.733
           00000000000000000000000000000000000000000000000000003261440012601039C001039C001039C001039C001039C001039C001039C001039
C001039C001039C001039C001039C001039C001039C001039C001039C001039C001039C001039C001039C001039C001039C001039C001039C001000000100000
29HNDRKCAL0229HNDRKCAL01AB 06004986:89:006004987:90:01         SKY      3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360MPW  01-112/20:24:37.066  01-112/20:25:37.733
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
29HNDRKCAL0429HNDRKCAL01AB 06004988:00:006004988:90:01         SKY      3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360MPW  01-112/20:25:38.400  01-112/20:26:38.400
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
29HNDRKCAL0329HNDRKCAL01AB 06004989:00:006004989:90:01         SKY      3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360MPW  01-112/20:26:41.066  01-112/20:27:39.066
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
29HNDRKCAL0129HNDRKCAL01AB 06004990:00:006004991:01:01         SKY      3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360MPW  01-112/20:27:39.733  01-112/20:28:41.066
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
29NNRCTCAL0129NNRCTCAL01AC 06006181:88:006006191:83:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        216MPW  01-113/16:32:53.066  01-113/16:42:56.400
           00000000000000000000000000000000000000000000000000003262160012601001FF01001FF01001FF01001FF01001FF01001FF01001FF01001
FF01001FF01001FF01001FF01001FF01001FF01001FF01001FF01001FF01001FF01001FF01001FF01001FF01001FF01001FF01001FF01001FF01000000100000
29NNPCTCAL0129NNPCTCAL01AEA06006559:89:006006565:02:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        216MPW  01-113/22:55:05.733  01-113/23:00:11.733
           000000000000000000000000000000000000000000000000000032621600126011BDC0011BDC0011BDC0011BDC0011BDC0011BDC0011BDC0011BD
C0011BDC0011BDC0011BDC0011BDC0011BDC0011BDC0011BDC0011BDC0011BDC0011BDC0011BDC0011BDC0011BDC0011BDC0011BDC0011BDC001000000100000
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