Chapter 4 - NIMS Observation Summaries

Contents

Introduction to Chapter 4

This chapter summarizes the NIMS I32 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 I32 Sequence. The information in this summary is derived from the I32 SEFs (Spacecraft Event File) and PBTs (Playback Tables) with inputs from the NIMS Science Coordinators regarding the start time and duration of the NIMS observations. There are twelve columns of information in this table:

1) Line - Line Count.
2) YR - Year.
3) DOY - Day of Year.
4) Time - SCET Time (UTC).
5) PSID - Parameter Set ID of the SEF line.
6) Command - Command name from the SEF.
7) Parameters - Parameters from the above Command Line.
8) Description - Description of the above Command for NIMS.
9) GCM - NIMS Gain, Chopper mode, Instrument Mode.
   Gain = 1,2,3 or 4.
   Chopper Mode = R (Reference) or 6 (63Hz).
   Instrement Mode = 0-15
10) GO - NIMS Grating Offset.
11) GS - NIMS Grating Start Position.
12) RIM,MF,I - SCLK of the Command Line (RIM:MF:RTI)

An additional line is inserted into this table at the start and stop times of each NIMS Observation (Oapel) to bracket the commands which affect each NIMS Observation. The NIMS Playback Select and DeSelect times are also inserted into this table to correlate the playback requests with the observations.

The Individual Obstab Summaries are expansions of the NIMS Obstab to one page per Obstab entry for ease in reading the NIMS Obstab.

The NIMS Obstab (Observation Table) is a time-ordered listing of the NIMS obsrvation parameters for use by downlink data processing of the NIMS I32 data. It is also derived from the I32 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

Sequence: I32A-AR Created: 12/17/01 Begin: 01-287/02:00:00 Finish: 01-302/02:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	**1**	**287**	**02:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**6,253,125:37:6**
2	**1**	**287**	**02:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**6,253,125:37:6**
3	**1**	**287**	**02:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**6,253,125:37:6**
4	**1**	**287**	**02:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**6,253,125:37:6**
5	**1**	**287**	**02:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**6,253,125:37:6**
6	**1**	**287**	**02:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**6,253,125:37:6**
7	**1**	**287**	**02:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**6,253,125:37:6**
8	**1**	**287**	**02:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**6,253,125:37:6**
9	**1**	**287**	**02:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**6,253,125:37:6**
10	1	287	02:00:00.266		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,253,125:38:0
11	1	287	02:02:16.933	488AA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,253,127:61:0
12	1	287	02:03:36.933	432JB431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	2O0	4	0	6,253,128:90:0
13	**1**	**287**	**02:03:37.600**	**432JB6B**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**2O0**	**4**	**0**	**6,253,129:00:0**
14	1	287	02:03:37.600	432JB6A	6RTSL1		R/T Select of DDS and	2O0	4	0	6,253,129:00:0
15	1	287	02:05:42.933	20OB6A	6HICON			2O0	4	0	6,253,131:06:0
16	1	287	02:46:16.866	432OR431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	6,253,171:17:0
17	1	287	02:46:17.533	432OR6A	6RTSL1		R/T Select of DDS and	2O0	4	0	6,253,171:18:0
18	1	287	02:59:36.866	488AA6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,253,184:34:0
19	1	287	06:26:32.866	488AA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,253,389:03:0
20	1	287	10:31:52.866	488AB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,253,631:61:0
21	1	287	11:30:35.533	488AB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,253,689:67:0
22	1	287	15:19:15.533	488AB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,253,915:81:0
23	1	287	15:30:32.866	488AB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,253,927:05:0
24	1	287	16:55:52.866	488AC6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,254,011:41:0
25	1	287	17:15:38.866	465KA6A	6DMST	4631	DMS Slew to TIC	2O0	4	0	6,254,031:00:0
26	1	287	17:15:38.866		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,254,031:00:0
27	1	287	17:15:38.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,254,031:00:0
28	1	287	17:15:38.866		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,254,031:00:0
29	1	287	17:15:45.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,254,031:10:0
30	1	287	17:15:46.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	2O0	4	0	6,254,031:12:1
31	1	287	18:50:00.200	488AC6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2O0	4	0	6,254,124:29:0
32	1	287	20:00:00.200	20TO4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,254,193:50:0
33	1	287	20:00:50.200	20TO4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,254,194:34:0
34	1	287	20:00:56.200	20TO4E	7STAR	1,1307,23.9660,-	Star catalog update	2O0	4	0	6,254,194:43:0
35	1	287	20:00:58.200	20TO4F	7STAR	2,9000,2.664,14.	Star catalog update	2O0	4	0	6,254,194:46:0
36	1	287	20:01:00.200	20TO4G	7STAR	3,1307,23.9660,-	Star catalog update	2O0	4	0	6,254,194:49:0
37	1	287	20:01:02.200	20TO4H	7STAR	4,9000,2.664,14.	Star catalog update	2O0	4	0	6,254,194:52:0
38	1	287	20:01:04.200	20TO4I	7STAR	5,1307,23.9660,-	Star catalog update	2O0	4	0	6,254,194:55:0
39	1	287	20:01:06.200	20TO4J	7STAR	6,9000,2.664,14.	Star catalog update	2O0	4	0	6,254,194:58:0
40	1	287	20:05:02.866	432OE431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	6,254,198:49:0
41	1	287	20:05:03.533	432OE6A	6RTSL1		R/T Select of DDS and	2O0	4	0	6,254,198:50:0
42	1	287	20:42:00.866	488AC6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	6,254,235:09:0
43	1	287	22:22:16.866	488AC6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,254,334:24:0
44	1	287	22:30:33.000		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC *4628.94 +/-	2O0	4	0	6,254,342:40:2
45	1	287	22:30:34.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4629.00 +/-	2O0	4	0	6,254,342:42:0
46	1	287	22:37:12.866	488AC6E	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,254,349:03:0
47	1	287	22:54:16.866	488AD6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,254,365:83:0
48	1	288	00:02:43.533	488AD6B	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,254,433:55:0
49	1	288	00:36:22.200	488AD6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,254,466:80:0
50	1	288	03:20:56.866	488AD6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	6,254,629:59:0
51	1	288	04:27:04.866	488AD6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,254,695:05:0
52	1	288	05:20:18.200	488AE6A	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,254,747:63:0
53	1	288	05:26:48.866	488AE6B	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,254,754:12:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
54	1	288	06:20:39.533	488AE6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,254,807:35:0
55	1	288	06:30:48.866	488AE6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,254,817:39:0
56	1	288	06:42:41.533	488AE6E	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,254,829:16:0
57	1	288	07:16:20.200	488AF6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,254,862:41:0
58	1	288	07:20:56.200		DMS:	: READY	RDY, TRACK *2, *REV, TIC 4629.00 +/-	2O0	4	0	6,254,867:00:0
59	1	288	07:20:56.200	465KB6A	6DMSC	RDY,2	DMS Control Tape stop	2O0	4	0	6,254,867:00:0
60	1	288	07:22:57.533	192GR4A	**7CONE**	**9.0,0.0**	Check S/P Position	2O0	4	0	6,254,869:00:0
61	1	288	07:30:02.200	176GR6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2O0	4	0	6,254,876:00:0
62	1	288	07:32:16.866	176GR6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,254,878:20:0
63	1	288	07:32:18.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,254,878:23:0
64	1	288	07:32:18.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4629.00 +/-	2O0	4	0	6,254,878:23:0
65	1	288	07:32:20.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4629.12 +/-	2O0	4	0	6,254,878:25:1
66	1	288	07:32:25.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4630.35 +/-	2O0	4	0	6,254,878:33:0
67	1	288	07:32:26.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4630.41 +/-	2O0	4	0	6,254,878:34:8
68	1	288	07:32:28.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4630.29 +/-	2O0	4	0	6,254,878:36:9
69	1	288	07:32:28.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4630.12 +/-	2O0	4	0	6,254,878:38:0
70	1	288	07:32:40.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,254,878:55:0
71	1	288	07:32:40.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4627.47 +/-	2O0	4	0	6,254,878:55:0
72	1	288	07:32:41.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4627.41 +/-	2O0	4	0	6,254,878:56:8
73	1	288	07:35:05.533	192GR4B	**7CONE**	**9.0,90.0**	Check S/P Position	2O0	4	0	6,254,881:00:0
74	1	288	07:37:41.533	488AF6B	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,254,883:52:0
75	1	288	07:44:10.866	165GA4A	7SCAN	NORM,230.094999,	Check S/P Position	2O0	4	0	6,254,889:90:0
76	1	288	07:47:13.533	176GA6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2O0	4	0	6,254,893:00:0
77	1	288	07:48:04.866	117GA	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	6,254,893:77:0
78	1	288	07:48:14.200	117GA105A106A4A	7STRP	0.06911,-0.001,0	Slew =,0.31	2O0	4	0	6,254,894:00:0
79	1	288	07:52:02.200	117GA105A106A4B	7STRP	-0.071924,-0.000	Slew =12.01	2O0	4	0	6,254,897:69:0
80	1	288	07:52:18.200	117GA105A106A4C	7STRP	0.06911,-0.001,0	Slew =,0.31	2O0	4	0	6,254,898:02:0
81	1	288	07:56:06.200	117GA105A106A4D	7STRP	-0.071924,-0.000	Slew =12.01	2O0	4	0	6,254,901:71:0
82	1	288	07:56:22.200	117GA105A106A4E	7STRP	0.06911,-0.001,0	Slew =,0.31	2O0	4	0	6,254,902:04:0
83	1	288	07:59:48.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,254,905:40:0
84	1	288	07:59:48.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4627.41 +/-	2O0	4	0	6,254,905:40:0
85	1	288	07:59:49.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4627.53 +/-	2O0	4	0	6,254,905:42:1
86	1	288	07:59:54.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4628.76 +/-	2O0	4	0	6,254,905:50:0
87	1	288	07:59:56.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4628.82 +/-	2O0	4	0	6,254,905:51:8
88	1	288	07:59:57.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4628.70 +/-	2O0	4	0	6,254,905:53:9
89	1	288	08:00:10.200	117GA105A106A4F	7STRP	-0.071924,-0.000	Slew =12.01	2O0	4	0	6,254,905:73:0
90	1	288	08:00:13.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4624.93 +/-	2O0	4	0	6,254,905:78:0
91	1	288	08:00:26.200	117GA105A106A4G	7STRP	0.06911,-0.001,0	Slew =,0.31	2O0	4	0	6,254,906:06:0
92	1	288	08:00:36.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4619.62 +/-	2O0	4	0	6,254,906:21:0
93	1	288	08:00:36.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,254,906:21:0
94	1	288	08:00:37.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4619.56 +/-	2O0	4	0	6,254,906:22:8
95	1	288	08:04:14.200	117GA105A106A4H	7STRP	-0.071924,-0.000	Slew =12.01	2O0	4	0	6,254,909:75:0
96	1	288	08:04:30.200	117GA105A106A4I	7STRP	0.06911,-0.001,0	Slew =,0.31	2O0	4	0	6,254,910:08:0
97	1	288	08:08:18.200	117GA105A106A4J	7STRP	-0.071924,-0.000	Slew =12.01	2O0	4	0	6,254,913:77:0
98	1	288	08:08:34.200	117GA105A106A4K	7STRP	0.06911,-0.001,0	Slew =,0.31	2O0	4	0	6,254,914:10:0
99	1	288	08:11:20.200	488AF6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,254,916:77:0
100	1	288	08:12:22.200	117GA105A106A4L	7STRP	-0.071924,-0.000	Slew =12.01	2O0	4	0	6,254,917:79:0
101	1	288	08:12:38.200	117GA105A106A4M	7STRP	0.06911,-0.001,0	Slew =,0.31	2O0	4	0	6,254,918:12:0
102	1	288	08:12:50.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4619.56 +/-	2O0	4	0	6,254,918:30:0
103	1	288	08:12:50.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,254,918:30:0
104	1	288	08:12:51.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4619.68 +/-	2O0	4	0	6,254,918:32:1
105	1	288	08:12:56.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4620.92 +/-	2O0	4	0	6,254,918:40:0
106	1	288	08:12:58.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4620.98 +/-	2O0	4	0	6,254,918:41:8
107	1	288	08:12:59.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4620.86 +/-	2O0	4	0	6,254,918:43:9
108	1	288	08:13:15.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4617.09 +/-	2O0	4	0	6,254,918:68:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	1	288	08:13:38.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,254,919:11:0	
110	1	288	08:13:38.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4611.78 +/-	2O0	4	0	6,254,919:11:0	
111	1	288	08:13:39.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4611.72 +/-	2O0	4	0	6,254,919:12:8	
112	1	288	08:16:26.200	117GA105A106A4N	7STRP	-0.071924,-0.000	Slew =12.01	2O0	4	0	6,254,921:81:0	
113	1	288	08:16:42.200	117GA105A106A4O	7STRP	0.06911,-0.001,0	Slew =,0.31	2O0	4	0	6,254,922:14:0	
114	1	288	08:20:30.200	117GA105A106A4P	7STRP	-0.071924,-0.000	Slew =12.01	2O0	4	0	6,254,925:83:0	
115	1	288	08:20:46.200	117GA105A106A4Q	7STRP	0.06911,-0.001,0	Slew =,0.31	2O0	4	0	6,254,926:16:0	
116	1	288	08:24:34.200	117GA105A106A4R	7STRP	-0.071924,-0.000	Slew =12.01	2O0	4	0	6,254,929:85:0	
117	1	288	08:24:50.200	117GA105A106A4S	7STRP	0.06911,-0.001,0	Slew =,0.31	2O0	4	0	6,254,930:18:0	
118	1	288	08:25:52.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4611.72 +/-	2O0	4	0	6,254,931:20:0	
119	1	288	08:25:52.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,254,931:20:0	
120	1	288	08:25:53.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4611.84 +/-	2O0	4	0	6,254,931:22:1	
121	1	288	08:25:58.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4613.07 +/-	2O0	4	0	6,254,931:30:0	
122	1	288	08:26:00.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4613.13 +/-	2O0	4	0	6,254,931:31:8	
123	1	288	08:26:01.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4613.01 +/-	2O0	4	0	6,254,931:33:9	
124	1	288	08:26:17.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4609.25 +/-	2O0	4	0	6,254,931:58:0	
125	1	288	08:26:40.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4603.93 +/-	2O0	4	0	6,254,932:01:0	
126	1	288	08:26:40.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,254,932:01:0	
127	1	288	08:26:41.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4603.88 +/-	2O0	4	0	6,254,932:02:8	
128	1	288	08:28:38.200	117GA105A106A4T	7STRP	-0.071924,-0.000	Slew =12.01	2O0	4	0	6,254,933:87:0	
129	1	288	08:28:54.200	117GA105A106A4U	7STRP	0.06911,-0.001,0	Slew =,0.31	2O0	4	0	6,254,934:20:0	
130	1	288	08:32:42.200	117GA105A106A4V	7STRP	-0.071924,-0.000	Slew =12.01	2O0	4	0	6,254,937:89:0	
131	1	288	08:32:58.200	117GA105A106A4W	7STRP	0.06911,-0.001,0	Slew =,0.31	2O0	4	0	6,254,938:22:0	
132	1	288	08:36:46.200	117GA11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	6,254,942:00:0	
133	1	288	08:37:16.200	176GA6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,254,942:45:0	
134	1	288	08:37:18.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4603.88 +/-	2O0	4	0	6,254,942:48:0	
135	1	288	08:37:18.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,254,942:48:0	
136	1	288	08:37:19.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4603.99 +/-	2O0	4	0	6,254,942:50:1	
137	1	288	08:37:24.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4605.23 +/-	2O0	4	0	6,254,942:58:0	
138	1	288	08:37:26.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4605.29 +/-	2O0	4	0	6,254,942:59:8	
139	1	288	08:37:27.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4605.17 +/-	2O0	4	0	6,254,942:61:9	
140	1	288	08:37:28.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4605.00 +/-	2O0	4	0	6,254,942:63:0	
141	1	288	08:37:48.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,254,943:02:0	
142	1	288	08:37:48.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4600.31 +/-	2O0	4	0	6,254,943:02:0	
143	1	288	08:37:49.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4600.25 +/-	2O0	4	0	6,254,943:03:8	
144	1	288	08:40:04.200	20WA4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,254,945:24:0	
145	1	288	08:55:52.866	488AF6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	6,254,960:82:0	
146	1	288	09:00:00.200	480SA6A	6MROH	44,23E8,0,A10	read from LLM2A44,23E8,0,A1	2O0	4	0	6,254,964:89:0	
147	1	288	09:01:20.200	480SA6B	6MROH	45,23E8,0,B10	read from LLM2B45,23E8,0,B1	2O0	4	0	6,254,966:27:0	
148	1	288	10:10:47.533	165GB4A	7SCAN	NORM,236.643,-20	Check S/P Position	2O0	4	0	6,255,034:90:0	
149	1	288	10:13:50.200	176GB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2O0	4	0	6,255,038:00:0	
150	1	288	10:14:41.533	117GB	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	6,255,038:77:0	
151	1	288	10:14:50.866	117GB105A106A4A	7STRP	0.067502,-0.0015	Slew =,0.31	2O0	4	0	6,255,039:00:0	
152	1	288	10:18:33.533	117GB105A106A4B	7STRP	-0.071019,0.0001	Slew =12.01	2O0	4	0	6,255,042:61:0	
153	1	288	10:18:49.533	117GB105A106A4C	7STRP	0.067502,-0.0015	Slew =,0.31	2O0	4	0	6,255,042:85:0	
154	1	288	10:22:32.200	117GB105A106A4D	7STRP	-0.071019,0.0001	Slew =12.01	2O0	4	0	6,255,046:55:0	
155	1	288	10:22:48.200	117GB105A106A4E	7STRP	0.067502,-0.0015	Slew =,0.31	2O0	4	0	6,255,046:79:0	
156	1	288	10:26:24.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4600.25 +/-	2O0	4	0	6,255,050:40:0	
157	1	288	10:26:24.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,050:40:0	
158	1	288	10:26:26.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4600.37 +/-	2O0	4	0	6,255,050:42:1	
159	1	288	10:26:30.866	117GB105A106A4F	7STRP	-0.071019,0.0001	Slew =12.01	2O0	4	0	6,255,050:49:0	
160	1	288	10:26:31.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4601.60 +/-	2O0	4	0	6,255,050:50:0	
161	1	288	10:26:32.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4601.66 +/-	2O0	4	0	6,255,050:51:8	
162	1	288	10:26:34.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4601.54 +/-	2O0	4	0	6,255,050:53:9	
163	1	288	10:26:46.866	117GB105A106A4G	7STRP	0.067502,-0.0015	Slew =,0.31	2O0	4	0	6,255,050:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
164	1	288	10:26:50.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4597.78 +/-	2O0	4	0	6,255,050:78:0
165	1	288	10:27:12.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,051:21:0
166	1	288	10:27:12.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4592.47 +/-	2O0	4	0	6,255,051:21:0
167	1	288	10:27:14.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4592.41 +/-	2O0	4	0	6,255,051:22:8
168	1	288	10:30:29.533	117GB105A106A4H	7STRP	-0.071019,0.0001	Slew =12.01	2O0	4	0	6,255,054:43:0
169	1	288	10:30:45.533	117GB105A106A4I	7STRP	0.067502,-0.0015	Slew =,0.31	2O0	4	0	6,255,054:67:0
170	1	288	10:34:28.200	117GB105A106A4J	7STRP	-0.071019,0.0001	Slew =12.01	2O0	4	0	6,255,058:37:0
171	1	288	10:34:44.200	117GB105A106A4K	7STRP	0.067502,-0.0015	Slew =,0.31	2O0	4	0	6,255,058:61:0
172	1	288	10:38:26.866	117GB105A106A4L	7STRP	-0.071019,0.0001	Slew =12.01	2O0	4	0	6,255,062:31:0
173	1	288	10:38:42.866	117GB105A106A4M	7STRP	0.067502,-0.0015	Slew =,0.31	2O0	4	0	6,255,062:55:0
174	1	288	10:39:26.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4592.41 +/-	2O0	4	0	6,255,063:30:0
175	1	288	10:39:26.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,063:30:0
176	1	288	10:39:28.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4592.53 +/-	2O0	4	0	6,255,063:32:1
177	1	288	10:39:33.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4593.76 +/-	2O0	4	0	6,255,063:40:0
178	1	288	10:39:34.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4593.82 +/-	2O0	4	0	6,255,063:41:8
179	1	288	10:39:36.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4593.70 +/-	2O0	4	0	6,255,063:43:9
180	1	288	10:39:52.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4589.93 +/-	2O0	4	0	6,255,063:68:0
181	1	288	10:40:14.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4584.62 +/-	2O0	4	0	6,255,064:11:0
182	1	288	10:40:14.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,064:11:0
183	1	288	10:40:16.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4584.56 +/-	2O0	4	0	6,255,064:12:8
184	1	288	10:42:25.533	117GB105A106A4N	7STRP	-0.071019,0.0001	Slew =12.01	2O0	4	0	6,255,066:25:0
185	1	288	10:42:41.533	117GB105A106A4O	7STRP	0.067502,-0.0015	Slew =,0.31	2O0	4	0	6,255,066:49:0
186	1	288	10:46:24.200	117GB105A106A4P	7STRP	-0.071019,0.0001	Slew =12.01	2O0	4	0	6,255,070:19:0
187	1	288	10:46:40.200	117GB105A106A4Q	7STRP	0.067502,-0.0015	Slew =,0.31	2O0	4	0	6,255,070:43:0
188	1	288	10:50:22.866	117GB105A106A4R	7STRP	-0.071019,0.0001	Slew =12.01	2O0	4	0	6,255,074:13:0
189	1	288	10:50:38.866	117GB105A106A4S	7STRP	0.067502,-0.0015	Slew =,0.31	2O0	4	0	6,255,074:37:0
190	1	288	10:52:28.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,076:20:0
191	1	288	10:52:28.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4584.56 +/-	2O0	4	0	6,255,076:20:0
192	1	288	10:52:30.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4584.68 +/-	2O0	4	0	6,255,076:22:1
193	1	288	10:52:35.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4585.92 +/-	2O0	4	0	6,255,076:30:0
194	1	288	10:52:36.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4585.98 +/-	2O0	4	0	6,255,076:31:8
195	1	288	10:52:38.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4585.86 +/-	2O0	4	0	6,255,076:33:9
196	1	288	10:52:54.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4582.09 +/-	2O0	4	0	6,255,076:58:0
197	1	288	10:53:16.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4576.78 +/-	2O0	4	0	6,255,077:01:0
198	1	288	10:53:16.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,077:01:0
199	1	288	10:53:18.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4576.72 +/-	2O0	4	0	6,255,077:02:8
200	1	288	10:54:21.533	117GB105A106A4T	7STRP	-0.071019,0.0001	Slew =12.01	2O0	4	0	6,255,078:07:0
201	1	288	10:54:37.533	117GB105A106A4U	7STRP	0.067502,-0.0015	Slew =,0.31	2O0	4	0	6,255,078:31:0
202	1	288	10:58:20.200	117GB11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	6,255,082:01:0
203	1	288	10:58:49.533	176GB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,255,082:45:0
204	1	288	10:58:51.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4576.72 +/-	2O0	4	0	6,255,082:48:0
205	1	288	10:58:51.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,082:48:0
206	1	288	10:58:52.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4576.84 +/-	2O0	4	0	6,255,082:50:1
207	1	288	10:58:58.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4578.07 +/-	2O0	4	0	6,255,082:58:0
208	1	288	10:58:59.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4578.13 +/-	2O0	4	0	6,255,082:59:8
209	1	288	10:59:00.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4578.01 +/-	2O0	4	0	6,255,082:61:9
210	1	288	10:59:01.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4577.84 +/-	2O0	4	0	6,255,082:63:0
211	1	288	10:59:16.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,082:86:0
212	1	288	10:59:16.866		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4574.25 +/-	2O0	4	0	6,255,082:86:0
213	1	288	10:59:18.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4574.19 +/-	2O0	4	0	6,255,082:87:8
214	1	288	11:00:20.200	165GC4A	7SCAN	NORM,235.689999,	Check S/P Position	2O0	4	0	6,255,083:90:0
215	1	288	11:00:20.866	176GC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2O0	4	0	6,255,084:00:0
216	1	288	11:01:12.200	117GC	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	6,255,084:77:0
217	1	288	11:01:21.533	117GC105A106A4A	7STRP	0.052749,-0.009,	Slew =,0.29	2O0	4	0	6,255,085:00:0
218	1	288	11:04:28.200	117GC105A106A4B	7STRP	-0.054053,0.0081	Slew =12.01	2O0	4	0	6,255,088:07:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
219	1	288	11:04:42.866	117GC105A106A4C	7STRP	0.052749,-0.009,	Slew =,0.29	2O0	4	0	6,255,088:29:0
220	1	288	11:07:49.533	117GC105A106A4D	7STRP	-0.054053,0.0081	Slew =12.01	2O0	4	0	6,255,091:36:0
221	1	288	11:08:04.200	117GC105A106A4E	7STRP	0.052749,-0.009,	Slew =,0.29	2O0	4	0	6,255,091:58:0
222	1	288	11:11:10.866	117GC105A106A4F	7STRP	-0.054053,0.0081	Slew =12.01	2O0	4	0	6,255,094:65:0
223	1	288	11:11:25.533	117GC105A106A4G	7STRP	0.052749,-0.009,	Slew =,0.29	2O0	4	0	6,255,094:87:0
224	1	288	11:12:55.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4574.19 +/-	2O0	4	0	6,255,096:40:0
225	1	288	11:12:55.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,096:40:0
226	1	288	11:12:56.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4574.31 +/-	2O0	4	0	6,255,096:42:1
227	1	288	11:13:02.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4575.54 +/-	2O0	4	0	6,255,096:50:0
228	1	288	11:13:03.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4575.60 +/-	2O0	4	0	6,255,096:51:8
229	1	288	11:13:04.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4575.48 +/-	2O0	4	0	6,255,096:53:9
230	1	288	11:13:20.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4571.72 +/-	2O0	4	0	6,255,096:78:0
231	1	288	11:13:43.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4566.40 +/-	2O0	4	0	6,255,097:21:0
232	1	288	11:13:43.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,097:21:0
233	1	288	11:13:44.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4566.34 +/-	2O0	4	0	6,255,097:22:8
234	1	288	11:14:32.200	117GC105A106A4H	7STRP	-0.054053,0.0081	Slew =12.01	2O0	4	0	6,255,098:03:0
235	1	288	11:14:46.866	117GC105A106A4I	7STRP	0.052749,-0.009,	Slew =,0.29	2O0	4	0	6,255,098:25:0
236	1	288	11:17:53.533	117GC105A106A4J	7STRP	-0.054053,0.0081	Slew =12.01	2O0	4	0	6,255,101:32:0
237	1	288	11:18:08.200	117GC105A106A4K	7STRP	0.052749,-0.009,	Slew =,0.29	2O0	4	0	6,255,101:54:0
238	1	288	11:21:14.866	117GC105A106A4L	7STRP	-0.054053,0.0081	Slew =12.01	2O0	4	0	6,255,104:61:0
239	1	288	11:21:29.533	117GC105A106A4M	7STRP	0.052749,-0.009,	Slew =,0.29	2O0	4	0	6,255,104:83:0
240	1	288	11:24:36.200	117GC105A106A4N	7STRP	-0.054053,0.0081	Slew =12.01	2O0	4	0	6,255,107:90:0
241	1	288	11:24:50.866	117GC105A106A4O	7STRP	0.052749,-0.009,	Slew =,0.29	2O0	4	0	6,255,108:21:0
242	1	288	11:25:57.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4566.34 +/-	2O0	4	0	6,255,109:30:0
243	1	288	11:25:57.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,109:30:0
244	1	288	11:25:58.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4566.46 +/-	2O0	4	0	6,255,109:32:1
245	1	288	11:26:04.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4567.70 +/-	2O0	4	0	6,255,109:40:0
246	1	288	11:26:05.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4567.76 +/-	2O0	4	0	6,255,109:41:8
247	1	288	11:26:06.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4567.64 +/-	2O0	4	0	6,255,109:43:9
248	1	288	11:26:22.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4563.87 +/-	2O0	4	0	6,255,109:68:0
249	1	288	11:26:45.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,110:11:0
250	1	288	11:26:45.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4558.56 +/-	2O0	4	0	6,255,110:11:0
251	1	288	11:26:46.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4558.50 +/-	2O0	4	0	6,255,110:12:8
252	1	288	11:27:57.533	117GC105A106A4P	7STRP	-0.054053,0.0081	Slew =12.01	2O0	4	0	6,255,111:28:0
253	1	288	11:28:12.200	117GC105A106A4Q	7STRP	0.052749,-0.009,	Slew =,0.29	2O0	4	0	6,255,111:50:0
254	1	288	11:31:18.866	117GC105A106A4R	7STRP	-0.054053,0.0081	Slew =12.01	2O0	4	0	6,255,114:57:0
255	1	288	11:31:33.533	117GC105A106A4S	7STRP	0.052749,-0.009,	Slew =,0.29	2O0	4	0	6,255,114:79:0
256	1	288	11:34:40.200	117GC105A106A4T	7STRP	-0.054053,0.0081	Slew =12.01	2O0	4	0	6,255,117:86:0
257	1	288	11:34:54.866	117GC105A106A4U	7STRP	0.052749,-0.009,	Slew =,0.29	2O0	4	0	6,255,118:17:0
258	1	288	11:38:01.533	117GC105A106A4V	7STRP	-0.054053,0.0081	Slew =12.01	2O0	4	0	6,255,121:24:0
259	1	288	11:38:16.200	117GC105A106A4W	7STRP	0.052749,-0.009,	Slew =,0.29	2O0	4	0	6,255,121:46:0
260	1	288	11:38:59.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,122:20:0
261	1	288	11:38:59.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4558.50 +/-	2O0	4	0	6,255,122:20:0
262	1	288	11:39:00.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4558.62 +/-	2O0	4	0	6,255,122:22:1
263	1	288	11:39:06.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4559.85 +/-	2O0	4	0	6,255,122:30:0
264	1	288	11:39:07.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4559.91 +/-	2O0	4	0	6,255,122:31:8
265	1	288	11:39:08.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4559.79 +/-	2O0	4	0	6,255,122:33:9
266	1	288	11:39:24.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4556.03 +/-	2O0	4	0	6,255,122:58:0
267	1	288	11:39:47.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4550.72 +/-	2O0	4	0	6,255,123:01:0
268	1	288	11:39:47.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,123:01:0
269	1	288	11:39:48.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4550.66 +/-	2O0	4	0	6,255,123:02:8
270	1	288	11:41:22.866	117GC105A106A4X	7STRP	-0.054053,0.0081	Slew =12.01	2O0	4	0	6,255,124:53:0
271	1	288	11:41:37.533	117GC105A106A4Y	7STRP	0.052749,-0.009,	Slew =,0.29	2O0	4	0	6,255,124:75:0
272	1	288	11:44:44.200	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	6,255,127:82:0
273	1	288	11:45:04.200	20WB4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,255,128:21:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
274	1	288	11:45:20.200	176GC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,255,128:45:0
275	1	288	11:45:22.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,128:48:0
276	1	288	11:45:22.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4550.66 +/-	2O0	4	0	6,255,128:48:0
277	1	288	11:45:23.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4550.78 +/-	2O0	4	0	6,255,128:50:1
278	1	288	11:45:28.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4552.01 +/-	2O0	4	0	6,255,128:58:0
279	1	288	11:45:30.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4552.07 +/-	2O0	4	0	6,255,128:59:8
280	1	288	11:45:31.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4551.95 +/-	2O0	4	0	6,255,128:61:9
281	1	288	11:45:32.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4551.78 +/-	2O0	4	0	6,255,128:63:0
282	1	288	11:45:47.533		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4548.18 +/-	2O0	4	0	6,255,128:86:0
283	1	288	11:45:47.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,128:86:0
284	1	288	11:45:48.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4548.13 +/-	2O0	4	0	6,255,128:87:8
285	1	288	12:40:26.133	165GD4A	7SCAN	NORM,245.591999,	Check S/P Position	2O0	4	0	6,255,182:90:0
286	1	288	12:43:28.800	176GD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2O0	4	0	6,255,186:00:0
287	1	288	12:44:20.133	117GD	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	6,255,186:77:0
288	1	288	12:44:29.466	117GD105A106A4A	7STRP	0.074839,0.0,0,0	Slew =,0.31	2O0	4	0	6,255,187:00:0
289	1	288	12:48:35.466	117GD105A106A4B	7STRP	-0.079769,-0.001	Slew =12.01	2O0	4	0	6,255,191:05:0
290	1	288	12:48:52.133	117GD105A106A4C	7STRP	0.074839,0.0,0,0	Slew =,0.31	2O0	4	0	6,255,191:30:0
291	1	288	12:52:58.133	117GD105A106A4D	7STRP	-0.079769,-0.001	Slew =12.01	2O0	4	0	6,255,195:35:0
292	1	288	12:53:14.800	117GD105A106A4E	7STRP	0.074839,0.0,0,0	Slew =,0.31	2O0	4	0	6,255,195:60:0
293	1	288	12:56:03.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,198:40:0
294	1	288	12:56:03.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4548.13 +/-	2O0	4	0	6,255,198:40:0
295	1	288	12:56:04.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4548.24 +/-	2O0	4	0	6,255,198:42:1
296	1	288	12:56:10.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4549.48 +/-	2O0	4	0	6,255,198:50:0
297	1	288	12:56:11.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4549.54 +/-	2O0	4	0	6,255,198:51:8
298	1	288	12:56:12.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4549.42 +/-	2O0	4	0	6,255,198:53:9
299	1	288	12:56:28.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4545.65 +/-	2O0	4	0	6,255,198:78:0
300	1	288	12:56:51.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4540.34 +/-	2O0	4	0	6,255,199:21:0
301	1	288	12:56:51.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,199:21:0
302	1	288	12:56:52.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4540.28 +/-	2O0	4	0	6,255,199:22:8
303	1	288	12:57:20.800	117GD105A106A4F	7STRP	-0.079769,-0.001	Slew =12.01	2O0	4	0	6,255,199:65:0
304	1	288	12:57:37.466	117GD105A106A4G	7STRP	0.074839,0.0,0,0	Slew =,0.31	2O0	4	0	6,255,199:90:0
305	1	288	13:01:43.466	117GD105A106A4H	7STRP	-0.079769,-0.001	Slew =12.01	2O0	4	0	6,255,204:04:0
306	1	288	13:02:00.133	117GD105A106A4I	7STRP	0.074839,0.0,0,0	Slew =,0.31	2O0	4	0	6,255,204:29:0
307	1	288	13:06:06.133	117GD105A106A4J	7STRP	-0.079769,-0.001	Slew =12.01	2O0	4	0	6,255,208:34:0
308	1	288	13:06:22.800	117GD105A106A4K	7STRP	0.074839,0.0,0,0	Slew =,0.31	2O0	4	0	6,255,208:59:0
309	1	288	13:09:05.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4540.28 +/-	2O0	4	0	6,255,211:30:0
310	1	288	13:09:05.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,211:30:0
311	1	288	13:09:06.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4540.40 +/-	2O0	4	0	6,255,211:32:1
312	1	288	13:09:12.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4541.64 +/-	2O0	4	0	6,255,211:40:0
313	1	288	13:09:13.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4541.70 +/-	2O0	4	0	6,255,211:41:8
314	1	288	13:09:14.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4541.58 +/-	2O0	4	0	6,255,211:43:9
315	1	288	13:09:30.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4537.81 +/-	2O0	4	0	6,255,211:68:0
316	1	288	13:09:53.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,212:11:0
317	1	288	13:09:53.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4532.50 +/-	2O0	4	0	6,255,212:11:0
318	1	288	13:09:54.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4532.44 +/-	2O0	4	0	6,255,212:12:8
319	1	288	13:10:28.800	117GD105A106A4L	7STRP	-0.079769,-0.001	Slew =12.01	2O0	4	0	6,255,212:64:0
320	1	288	13:10:45.466	117GD105A106A4M	7STRP	0.074839,0.0,0,0	Slew =,0.31	2O0	4	0	6,255,212:89:0
321	1	288	13:14:51.466	117GD105A106A4N	7STRP	-0.079769,-0.001	Slew =12.01	2O0	4	0	6,255,217:03:0
322	1	288	13:15:08.133	117GD105A106A4O	7STRP	0.074839,0.0,0,0	Slew =,0.31	2O0	4	0	6,255,217:28:0
323	1	288	13:19:14.133	117GD105A106A4P	7STRP	-0.079769,-0.001	Slew =12.01	2O0	4	0	6,255,221:33:0
324	1	288	13:19:30.800	117GD105A106A4Q	7STRP	0.074839,0.0,0,0	Slew =,0.31	2O0	4	0	6,255,221:58:0
325	1	288	13:22:07.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4532.44 +/-	2O0	4	0	6,255,224:20:0
326	1	288	13:22:07.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,224:20:0
327	1	288	13:22:08.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4532.56 +/-	2O0	4	0	6,255,224:22:1
328	1	288	13:22:14.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4533.79 +/-	2O0	4	0	6,255,224:30:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
329	1	288	13:22:15.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4533.85 +/-	2O0	4	0	6,255,224:31:8
330	1	288	13:22:16.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4533.73 +/-	2O0	4	0	6,255,224:33:9
331	1	288	13:22:32.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4529.97 +/-	2O0	4	0	6,255,224:58:0
332	1	288	13:22:55.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,225:01:0
333	1	288	13:22:55.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4524.65 +/-	2O0	4	0	6,255,225:01:0
334	1	288	13:22:56.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4524.59 +/-	2O0	4	0	6,255,225:02:8
335	1	288	13:23:36.800	117GD105A106A4R	7STRP	-0.079769,-0.001	Slew =12.01	2O0	4	0	6,255,225:63:0
336	1	288	13:23:53.466	117GD105A106A4S	7STRP	0.074839,0.0,0,0	Slew =,0.31	2O0	4	0	6,255,225:88:0
337	1	288	13:27:59.466	117GD11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	6,255,230:02:0
338	1	288	13:28:28.133	176GD6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,255,230:45:0
339	1	288	13:28:30.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,230:48:0
340	1	288	13:28:30.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4524.59 +/-	2O0	4	0	6,255,230:48:0
341	1	288	13:28:31.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4524.71 +/-	2O0	4	0	6,255,230:50:1
342	1	288	13:28:36.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4525.95 +/-	2O0	4	0	6,255,230:58:0
343	1	288	13:28:38.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4526.01 +/-	2O0	4	0	6,255,230:59:8
344	1	288	13:28:39.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4525.89 +/-	2O0	4	0	6,255,230:61:9
345	1	288	13:28:40.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4525.72 +/-	2O0	4	0	6,255,230:63:0
346	1	288	13:28:55.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4522.12 +/-	2O0	4	0	6,255,230:86:0
347	1	288	13:28:55.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,230:86:0
348	1	288	13:28:56.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4522.06 +/-	2O0	4	0	6,255,230:87:8
349	1	288	13:29:58.800	165GF4A	7SCAN	NORM,248.776999,	Check S/P Position	2O0	4	0	6,255,231:90:0
350	1	288	13:29:59.466	176GF6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2O0	4	0	6,255,232:00:0
351	1	288	13:30:50.800	117GF	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	6,255,232:77:0
352	1	288	13:31:00.133	117GF105A106A4A	7STRP	0.074839,0.0007,	Slew =,0.31	2O0	4	0	6,255,233:00:0
353	1	288	13:35:06.133	117GF105A106A4B	7STRP	-0.07997,-0.0023	Slew =12.01	2O0	4	0	6,255,237:05:0
354	1	288	13:35:22.800	117GF105A106A4C	7STRP	0.074839,0.0007,	Slew =,0.31	2O0	4	0	6,255,237:30:0
355	1	288	13:39:28.800	117GF105A106A4D	7STRP	-0.07997,-0.0023	Slew =12.01	2O0	4	0	6,255,241:35:0
356	1	288	13:39:45.466	117GF105A106A4E	7STRP	0.074839,0.0007,	Slew =,0.31	2O0	4	0	6,255,241:60:0
357	1	288	13:42:34.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4522.06 +/-	2O0	4	0	6,255,244:40:0
358	1	288	13:42:34.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,244:40:0
359	1	288	13:42:35.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4522.18 +/-	2O0	4	0	6,255,244:42:1
360	1	288	13:42:40.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4523.42 +/-	2O0	4	0	6,255,244:50:0
361	1	288	13:42:42.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4523.48 +/-	2O0	4	0	6,255,244:51:8
362	1	288	13:42:43.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4523.36 +/-	2O0	4	0	6,255,244:53:9
363	1	288	13:42:59.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4519.59 +/-	2O0	4	0	6,255,244:78:0
364	1	288	13:43:22.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,245:21:0
365	1	288	13:43:22.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4514.28 +/-	2O0	4	0	6,255,245:21:0
366	1	288	13:43:23.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4514.22 +/-	2O0	4	0	6,255,245:22:8
367	1	288	13:43:51.466	117GF105A106A4F	7STRP	-0.07997,-0.0023	Slew =12.01	2O0	4	0	6,255,245:65:0
368	1	288	13:44:08.133	117GF105A106A4G	7STRP	0.074839,0.0007,	Slew =,0.31	2O0	4	0	6,255,245:90:0
369	1	288	13:48:14.133	117GF105A106A4H	7STRP	-0.07997,-0.0023	Slew =12.01	2O0	4	0	6,255,250:04:0
370	1	288	13:48:30.800	117GF105A106A4I	7STRP	0.074839,0.0007,	Slew =,0.31	2O0	4	0	6,255,250:29:0
371	1	288	13:52:32.800	488AG6A	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	2O0	4	0	6,255,254:28:0
372	1	288	13:52:36.800	117GF105A106A4J	7STRP	-0.07997,-0.0023	Slew =12.01	2O0	4	0	6,255,254:34:0
373	1	288	13:52:53.466	117GF105A106A4K	7STRP	0.074839,0.0007,	Slew =,0.31	2O0	4	0	6,255,254:59:0
374	1	288	13:55:36.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,257:30:0
375	1	288	13:55:36.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4514.22 +/-	2O0	4	0	6,255,257:30:0
376	1	288	13:55:37.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4514.34 +/-	2O0	4	0	6,255,257:32:1
377	1	288	13:55:42.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4515.57 +/-	2O0	4	0	6,255,257:40:0
378	1	288	13:55:44.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4515.63 +/-	2O0	4	0	6,255,257:41:8
379	1	288	13:55:45.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4515.51 +/-	2O0	4	0	6,255,257:43:9
380	1	288	13:56:01.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4511.75 +/-	2O0	4	0	6,255,257:68:0
381	1	288	13:56:24.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4506.43 +/-	2O0	4	0	6,255,258:11:0
382	1	288	13:56:24.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,258:11:0
383	1	288	13:56:25.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4506.38 +/-	2O0	4	0	6,255,258:12:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	1	288	13:56:40.800	488AG6B	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,255,258:36:0	
385	1	288	13:56:59.466	117GF105A106A4L	7STRP	-0.07997,-0.0023	Slew =12.01	2O0	4	0	6,255,258:64:0	
386	1	288	13:57:16.133	117GF105A106A4M	7STRP	0.074839,0.0007,	Slew =,0.31	2O0	4	0	6,255,258:89:0	
387	1	288	14:01:22.133	117GF105A106A4N	7STRP	-0.07997,-0.0023	Slew =12.01	2O0	4	0	6,255,263:03:0	
388	1	288	14:01:38.800	117GF105A106A4O	7STRP	0.074839,0.0007,	Slew =,0.31	2O0	4	0	6,255,263:28:0	
389	1	288	14:05:44.800	117GF105A106A4P	7STRP	-0.07997,-0.0023	Slew =12.01	2O0	4	0	6,255,267:33:0	
390	1	288	14:06:01.466	117GF105A106A4Q	7STRP	0.074839,0.0007,	Slew =,0.31	2O0	4	0	6,255,267:58:0	
391	1	288	14:08:38.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4506.38 +/-	2O0	4	0	6,255,270:20:0	
392	1	288	14:08:38.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,270:20:0	
393	1	288	14:08:39.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4506.49 +/-	2O0	4	0	6,255,270:22:1	
394	1	288	14:08:44.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4507.73 +/-	2O0	4	0	6,255,270:30:0	
395	1	288	14:08:46.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4507.79 +/-	2O0	4	0	6,255,270:31:8	
396	1	288	14:08:47.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4507.67 +/-	2O0	4	0	6,255,270:33:9	
397	1	288	14:09:03.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4503.90 +/-	2O0	4	0	6,255,270:58:0	
398	1	288	14:09:26.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,271:01:0	
399	1	288	14:09:26.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4498.59 +/-	2O0	4	0	6,255,271:01:0	
400	1	288	14:09:27.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4498.53 +/-	2O0	4	0	6,255,271:02:8	
401	1	288	14:10:07.466	117GF105A106A4R	7STRP	-0.07997,-0.0023	Slew =12.01	2O0	4	0	6,255,271:63:0	
402	1	288	14:10:24.133	117GF105A106A4S	7STRP	0.074839,0.0007,	Slew =,0.31	2O0	4	0	6,255,271:88:0	
403	1	288	14:14:30.133	117GF11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	6,255,276:02:0	
404	1	288	14:14:58.800	176GF6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,255,276:45:0	
405	1	288	14:15:00.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4498.53 +/-	2O0	4	0	6,255,276:48:0	
406	1	288	14:15:00.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,276:48:0	
407	1	288	14:15:02.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4498.65 +/-	2O0	4	0	6,255,276:50:1	
408	1	288	14:15:07.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4499.89 +/-	2O0	4	0	6,255,276:58:0	
409	1	288	14:15:08.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4499.95 +/-	2O0	4	0	6,255,276:59:8	
410	1	288	14:15:10.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4499.83 +/-	2O0	4	0	6,255,276:61:9	
411	1	288	14:15:10.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4499.65 +/-	2O0	4	0	6,255,276:63:0	
412	1	288	14:15:26.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4496.06 +/-	2O0	4	0	6,255,276:86:0	
413	1	288	14:15:26.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,276:86:0	
414	1	288	14:15:27.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4496.00 +/-	2O0	4	0	6,255,276:87:8	
415	1	288	14:18:30.800	165GE4A	7SCAN	NORM,241.574999,	Check S/P Position	2O0	4	0	6,255,279:90:0	
416	1	288	14:18:31.466	176GE6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2O0	4	0	6,255,280:00:0	
417	1	288	14:19:22.800	117GE	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	6,255,280:77:0	
418	1	288	14:19:32.133	117GE105A106A4A	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,281:00:0	
419	1	288	14:21:22.133	117GE105A106A4B	7STRP	-0.015381,0.0013	Slew =12.01	2O0	4	0	6,255,282:74:0	
420	1	288	14:21:34.133	117GE105A106A4C	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,283:01:0	
421	1	288	14:23:24.133	117GE105A106A4D	7STRP	-0.015381,0.0013	Slew =12.01	2O0	4	0	6,255,284:75:0	
422	1	288	14:23:36.133	117GE105A106A4E	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,285:02:0	
423	1	288	14:25:26.133	117GE105A106A4F	7STRP	-0.015381,0.0013	Slew =12.01	2O0	4	0	6,255,286:76:0	
424	1	288	14:25:38.133	117GE105A106A4G	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,287:03:0	
425	1	288	14:27:28.133	117GE105A106A4H	7STRP	-0.015381,0.0013	Slew =12.01	2O0	4	0	6,255,288:77:0	
426	1	288	14:27:40.133	117GE105A106A4I	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,289:04:0	
427	1	288	14:29:30.133	117GE105A106A4J	7STRP	-0.015381,0.0013	Slew =12.01	2O0	4	0	6,255,290:78:0	
428	1	288	14:29:42.133	117GE105A106A4K	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,291:05:0	
429	1	288	14:31:06.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,292:40:0	
430	1	288	14:31:06.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4496.00 +/-	2O0	4	0	6,255,292:40:0	
431	1	288	14:31:07.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4496.12 +/-	2O0	4	0	6,255,292:42:1	
432	1	288	14:31:12.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4497.35 +/-	2O0	4	0	6,255,292:50:0	
433	1	288	14:31:14.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4497.41 +/-	2O0	4	0	6,255,292:51:8	
434	1	288	14:31:15.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4497.29 +/-	2O0	4	0	6,255,292:53:9	
435	1	288	14:31:31.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4493.53 +/-	2O0	4	0	6,255,292:78:0	
436	1	288	14:31:32.133	117GE105A106A4L	7STRP	-0.015381,0.0013	Slew =12.01	2O0	4	0	6,255,292:79:0	
437	1	288	14:31:44.133	117GE105A106A4M	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,293:06:0	
438	1	288	14:31:54.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4488.22 +/-	2O0	4	0	6,255,293:21:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	1	288	14:31:54.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,293:21:0	
440	1	288	14:31:55.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4488.16 +/-	2O0	4	0	6,255,293:22:8	
441	1	288	14:33:34.133	117GE105A106A4N	7STRP	-0.015381,0.0013	Slew =12.01	2O0	4	0	6,255,294:80:0	
442	1	288	14:33:46.133	117GE105A106A4O	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,295:07:0	
443	1	288	14:35:36.133	117GE105A106A4P	7STRP	-0.015381,0.0013	Slew =12.01	2O0	4	0	6,255,296:81:0	
444	1	288	14:35:48.133	117GE105A106A4Q	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,297:08:0	
445	1	288	14:37:38.133	117GE105A106A4R	7STRP	-0.015381,0.0013	Slew =12.01	2O0	4	0	6,255,298:82:0	
446	1	288	14:37:50.133	117GE105A106A4S	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,299:09:0	
447	1	288	14:39:40.133	117GE105A106A4T	7STRP	-0.015381,0.0013	Slew =12.01	2O0	4	0	6,255,300:83:0	
448	1	288	14:39:52.133	117GE105A106A4U	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,301:10:0	
449	1	288	14:41:42.133	117GE105A106A4V	7STRP	-0.015381,0.0013	Slew =12.01	2O0	4	0	6,255,302:84:0	
450	1	288	14:41:54.133	117GE105A106A4W	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,303:11:0	
451	1	288	14:43:44.133	117GE105A106A4X	7STRP	-0.015381,0.0013	Slew =12.01	2O0	4	0	6,255,304:85:0	
452	1	288	14:43:56.133	117GE105A106A4Y	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,305:12:0	
453	1	288	14:44:08.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4488.16 +/-	2O0	4	0	6,255,305:30:0	
454	1	288	14:44:08.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,305:30:0	
455	1	288	14:44:09.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4488.28 +/-	2O0	4	0	6,255,305:32:1	
456	1	288	14:44:14.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4489.51 +/-	2O0	4	0	6,255,305:40:0	
457	1	288	14:44:16.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4489.57 +/-	2O0	4	0	6,255,305:41:8	
458	1	288	14:44:17.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4489.45 +/-	2O0	4	0	6,255,305:43:9	
459	1	288	14:44:33.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4485.68 +/-	2O0	4	0	6,255,305:68:0	
460	1	288	14:44:56.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4480.37 +/-	2O0	4	0	6,255,306:11:0	
461	1	288	14:44:56.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,306:11:0	
462	1	288	14:44:57.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4480.31 +/-	2O0	4	0	6,255,306:12:8	
463	1	288	14:45:46.133	117GE105A106A4Z	7STRP	-0.015381,0.0013	Slew =12.01	2O0	4	0	6,255,306:86:0	
464	1	288	14:45:58.133	117GE105A106A4AA	7STRP	0.017002,-0.0025	Slew =,0.16	2O0	4	0	6,255,307:13:0	
465	1	288	14:47:48.133	117GE11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	6,255,308:87:0	
466	1	288	14:48:20.800	176GE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,255,309:45:0	
467	1	288	14:48:22.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,309:48:0	
468	1	288	14:48:22.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4480.31 +/-	2O0	4	0	6,255,309:48:0	
469	1	288	14:48:24.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4480.43 +/-	2O0	4	0	6,255,309:50:1	
470	1	288	14:48:29.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4481.67 +/-	2O0	4	0	6,255,309:58:0	
471	1	288	14:48:30.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4481.73 +/-	2O0	4	0	6,255,309:59:8	
472	1	288	14:48:32.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4481.61 +/-	2O0	4	0	6,255,309:61:9	
473	1	288	14:48:32.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4481.43 +/-	2O0	4	0	6,255,309:63:0	
474	1	288	14:48:46.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4478.31 +/-	2O0	4	0	6,255,309:83:0	
475	1	288	14:48:46.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,309:83:0	
476	1	288	14:48:47.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4478.25 +/-	2O0	4	0	6,255,309:84:8	
477	1	288	14:50:04.133	20WC4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,255,311:18:0	
478	1	288	15:05:42.800	488AG6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,255,326:61:0	
479	1	288	15:11:50.133	488AG6D	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,255,332:66:0	
480	1	288	15:15:36.800	488AG6E	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,255,336:42:0	
481	1	288	15:30:09.466	175NA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,350:77:0	
482	1	288	15:30:09.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4478.25 +/-	2O0	4	0	6,255,350:77:0	
483	1	288	15:30:10.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4478.37 +/-	2O0	4	0	6,255,350:79:1	
484	1	288	15:30:16.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4479.60 +/-	2O0	4	0	6,255,350:87:0	
485	1	288	15:30:16.133	282NA431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	2O0	4	0	6,255,350:87:0	
486	1	288	15:30:17.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4479.66 +/-	2O0	4	0	6,255,350:88:8	
487	1	288	15:30:18.133	175NA176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	6,255,350:90:0	
488	1	288	15:30:18.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4479.54 +/-	2O0	4	0	6,255,350:90:9	
489	1	288	15:30:18.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4479.54 +/-	2O0	4	0	6,255,350:90:9	
490	1	288	15:30:18.800	431OA6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2O0	4	0	6,255,351:00:0	
491	1	288	15:46:18.133	488AH6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,255,366:74:0	
492	1	288	16:22:38.133	488AH6B	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,255,402:68:0	
493	1	288	16:56:17.466	488AH6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,255,436:03:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	1	288	17:00:00.133	488AH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,255,439:64:0	
495	1	288	17:26:37.466	432OA431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	6,255,466:03:0	
496	1	288	17:26:38.133	432OA6A	6RTSL1		R/T Select of DDS and	2O0	4	0	6,255,466:04:0	
497	1	288	17:26:41.466	282NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2O0	4	0	6,255,466:09:0	
498	1	288	17:26:45.466	175NA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,466:15:0	
499	1	288	17:26:45.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2842.03 +/-	2O0	4	0	6,255,466:15:0	
500	1	288	17:26:46.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2841.97 +/-	2O0	4	0	6,255,466:16:8	
501	1	288	17:27:30.133	282NB432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2O0	4	0	6,255,466:82:0	
502	1	288	17:27:30.800	282NB432A6A	6RTSL1		R/T Select of DDS and	2O0	4	0	6,255,466:83:0	
503	1	288	17:57:35.466	488AH6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,255,496:60:0	
504	1	288	19:14:46.133	165GG4A	7SCAN	NORM,225.636999,	Check S/P Position	2O0	4	0	6,255,572:90:0	
505	1	288	19:17:48.800	176GG6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2O0	4	0	6,255,576:00:0	
506	1	288	19:18:40.133	117GG	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	6,255,576:77:0	
507	1	288	19:18:49.466	117GG105A106A4A	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,577:00:0	
508	1	288	19:21:05.466	117GG105A106A4B	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,579:22:0	
509	1	288	19:21:17.466	117GG105A106A4C	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,579:40:0	
510	1	288	19:23:33.466	117GG105A106A4D	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,581:62:0	
511	1	288	19:23:45.466	117GG105A106A4E	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,581:80:0	
512	1	288	19:26:01.466	117GG105A106A4F	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,584:11:0	
513	1	288	19:26:13.466	117GG105A106A4G	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,584:29:0	
514	1	288	19:28:29.466	117GG105A106A4H	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,586:51:0	
515	1	288	19:28:41.466	117GG105A106A4I	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,586:69:0	
516	1	288	19:30:23.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2841.97 +/-	2O0	4	0	6,255,588:40:0	
517	1	288	19:30:23.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,588:40:0	
518	1	288	19:30:24.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2842.09 +/-	2O0	4	0	6,255,588:42:1	
519	1	288	19:30:30.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2843.32 +/-	2O0	4	0	6,255,588:50:0	
520	1	288	19:30:31.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2843.38 +/-	2O0	4	0	6,255,588:51:8	
521	1	288	19:30:32.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2843.26 +/-	2O0	4	0	6,255,588:53:9	
522	1	288	19:30:48.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2839.50 +/-	2O0	4	0	6,255,588:78:0	
523	1	288	19:30:57.466	117GG105A106A4J	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,589:00:0	
524	1	288	19:31:09.466	117GG105A106A4K	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,589:18:0	
525	1	288	19:31:11.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,589:21:0	
526	1	288	19:31:11.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2834.18 +/-	2O0	4	0	6,255,589:21:0	
527	1	288	19:31:12.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2834.13 +/-	2O0	4	0	6,255,589:22:8	
528	1	288	19:33:25.466	117GG105A106A4L	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,591:40:0	
529	1	288	19:33:37.466	117GG105A106A4M	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,591:58:0	
530	1	288	19:35:53.466	117GG105A106A4N	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,593:80:0	
531	1	288	19:36:05.466	117GG105A106A4O	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,594:07:0	
532	1	288	19:38:21.466	117GG105A106A4P	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,596:29:0	
533	1	288	19:38:33.466	117GG105A106A4Q	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,596:47:0	
534	1	288	19:40:49.466	117GG105A106A4R	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,598:69:0	
535	1	288	19:41:01.466	117GG105A106A4S	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,598:87:0	
536	1	288	19:43:17.466	117GG105A106A4T	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,601:18:0	
537	1	288	19:43:25.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2834.13 +/-	2O0	4	0	6,255,601:30:0	
538	1	288	19:43:25.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,601:30:0	
539	1	288	19:43:26.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2834.24 +/-	2O0	4	0	6,255,601:32:1	
540	1	288	19:43:29.466	117GG105A106A4U	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,601:36:0	
541	1	288	19:43:32.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2835.48 +/-	2O0	4	0	6,255,601:40:0	
542	1	288	19:43:33.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2835.54 +/-	2O0	4	0	6,255,601:41:8	
543	1	288	19:43:34.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2835.42 +/-	2O0	4	0	6,255,601:43:9	
544	1	288	19:43:50.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2831.65 +/-	2O0	4	0	6,255,601:68:0	
545	1	288	19:44:13.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,602:11:0	
546	1	288	19:44:13.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2826.34 +/-	2O0	4	0	6,255,602:11:0	
547	1	288	19:44:14.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2826.28 +/-	2O0	4	0	6,255,602:12:8	
548	1	288	19:45:45.466	117GG105A106A4V	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,603:58:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
549	1	288	19:45:57.466	117GG105A106A4W	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,603:76:0
550	1	288	19:48:13.466	117GG105A106A4X	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,606:07:0
551	1	288	19:48:25.466	117GG105A106A4Y	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,606:25:0
552	1	288	19:50:41.466	117GG105A106A4Z	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,608:47:0
553	1	288	19:50:53.466	117GG105A106A4AA	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,608:65:0
554	1	288	19:53:09.466	117GG105A106A4AB	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,610:87:0
555	1	288	19:53:21.466	117GG105A106A4AC	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,611:14:0
556	1	288	19:55:37.466	117GG105A106A4AD	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,613:36:0
557	1	288	19:55:49.466	117GG105A106A4AE	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,613:54:0
558	1	288	19:56:27.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2826.28 +/-	2O0	4	0	6,255,614:20:0
559	1	288	19:56:27.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,614:20:0
560	1	288	19:56:28.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2826.40 +/-	2O0	4	0	6,255,614:22:1
561	1	288	19:56:34.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2827.64 +/-	2O0	4	0	6,255,614:30:0
562	1	288	19:56:35.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2827.70 +/-	2O0	4	0	6,255,614:31:8
563	1	288	19:56:36.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2827.58 +/-	2O0	4	0	6,255,614:33:9
564	1	288	19:56:52.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2823.81 +/-	2O0	4	0	6,255,614:58:0
565	1	288	19:57:15.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2818.50 +/-	2O0	4	0	6,255,615:01:0
566	1	288	19:57:15.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,615:01:0
567	1	288	19:57:16.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2818.44 +/-	2O0	4	0	6,255,615:02:8
568	1	288	19:58:05.466	117GG105A106A4AF	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,615:76:0
569	1	288	19:58:17.466	117GG105A106A4AG	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,616:03:0
570	1	288	20:00:33.466	117GG105A106A4AH	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,618:25:0
571	1	288	20:00:45.466	117GG105A106A4AI	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,618:43:0
572	1	288	20:03:01.466	117GG105A106A4AJ	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,620:65:0
573	1	288	20:03:13.466	117GG105A106A4AK	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,620:83:0
574	1	288	20:05:29.466	117GG105A106A4AL	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,623:14:0
575	1	288	20:05:41.466	117GG105A106A4AM	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,623:32:0
576	1	288	20:07:57.466	117GG105A106A4AN	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,625:54:0
577	1	288	20:08:09.466	117GG105A106A4AO	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,625:72:0
578	1	288	20:09:30.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2818.44 +/-	2O0	4	0	6,255,627:11:0
579	1	288	20:09:30.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,627:11:0
580	1	288	20:09:31.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2818.56 +/-	2O0	4	0	6,255,627:13:1
581	1	288	20:09:36.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2819.79 +/-	2O0	4	0	6,255,627:21:0
582	1	288	20:09:38.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2819.85 +/-	2O0	4	0	6,255,627:22:8
583	1	288	20:09:39.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2819.73 +/-	2O0	4	0	6,255,627:24:9
584	1	288	20:09:54.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2816.12 +/-	2O0	4	0	6,255,627:48:0
585	1	288	20:10:17.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,627:82:0
586	1	288	20:10:17.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2810.81 +/-	2O0	4	0	6,255,627:82:0
587	1	288	20:10:18.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2810.75 +/-	2O0	4	0	6,255,627:83:8
588	1	288	20:10:25.466	117GG105A106A4AP	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,628:03:0
589	1	288	20:10:37.466	117GG105A106A4AQ	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,628:21:0
590	1	288	20:12:53.466	117GG105A106A4AR	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,630:43:0
591	1	288	20:13:05.466	117GG105A106A4AS	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,630:61:0
592	1	288	20:15:21.466	117GG105A106A4AT	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,632:83:0
593	1	288	20:15:33.466	117GG105A106A4AU	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,633:10:0
594	1	288	20:17:49.466	117GG105A106A4AV	7STRP	-0.021904,0.0017	Slew =12.01	2O0	4	0	6,255,635:32:0
595	1	288	20:18:01.466	117GG105A106A4AW	7STRP	0.022604,-0.003,	Slew =,0.17	2O0	4	0	6,255,635:50:0
596	1	288	20:20:17.466	117GG11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	6,255,637:72:0
597	1	288	20:21:00.133	176GG6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,255,638:45:0
598	1	288	20:21:02.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2810.75 +/-	2O0	4	0	6,255,638:48:0
599	1	288	20:21:02.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,638:48:0
600	1	288	20:21:03.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2810.87 +/-	2O0	4	0	6,255,638:50:1
601	1	288	20:21:08.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2812.10 +/-	2O0	4	0	6,255,638:58:0
602	1	288	20:21:10.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2812.16 +/-	2O0	4	0	6,255,638:59:8
603	1	288	20:21:11.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2812.04 +/-	2O0	4	0	6,255,638:61:9

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	1	288	20:21:12.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2811.87 +/-	2O0	4	0	6,255,638:63:0	
605	1	288	20:21:32.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2807.18 +/-	2O0	4	0	6,255,639:02:0	
606	1	288	20:21:32.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,639:02:0	
607	1	288	20:21:33.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2807.13 +/-	2O0	4	0	6,255,639:03:8	
608	1	288	20:31:21.466	20IA6B	6MCOPY	HLM1A,E700,B1A1A	HLM1A,E700,B1A1A,5D2F,5DC	2O0	4	0	6,255,648:67:0	
609	1	288	20:43:44.800	165IA4A	7SCAN	NORM,224.898998,	Check S/P Position	2O0	4	0	6,255,660:90:0	
610	1	288	20:46:37.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2807.13 +/-	2O0	4	0	6,255,663:76:0	
611	1	288	20:46:37.466	175IA422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2O0	4	0	6,255,663:76:0	
612	1	288	20:46:38.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2807.24 +/-	2O0	4	0	6,255,663:78:1	
613	1	288	20:46:39.466	118IA	**SMOS**	GS		2O0	4	0	6,255,663:79:0	
614	1	288	20:46:44.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2808.48 +/-	2O0	4	0	6,255,663:86:0	
615	1	288	20:46:45.333		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC *2808.54 +/-	2O0	4	0	6,255,663:87:8	
616	1	288	20:46:46.133	165IA4B	7VECT		Inert vect update UTC	2O0	4	0	6,255,663:89:0	
617	1	288	20:46:48.800	175IA176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2O0	4	0	6,255,664:02:0	
618	1	288	20:46:49.200		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 2785.54 +/-	2O0	4	0	6,255,664:02:6	
619	1	288	20:46:49.200		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC *2785.54 +/-	2O0	4	0	6,255,664:02:6	
620	1	288	20:46:49.466	118IA110A111A4A	7STRP	0.0,0.00068,26,0	Slew =,0.42	2O0	4	0	6,255,664:03:0	
621	1	288	20:46:58.133	118IA11A	**SMOS**	GE		2O0	4	0	6,255,664:16:0	
622	1	288	20:47:04.800	175IA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,664:26:0	
623	1	288	20:47:04.800		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC *2593.59 +/-	2O0	4	0	6,255,664:26:0	
624	1	288	20:47:07.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2589.59 +/-	2O0	4	0	6,255,664:30:1	
625	1	288	20:49:48.800	165GH4A	7SCAN	NORM,223.987999,	Check S/P Position	2O0	4	0	6,255,666:90:0	
626	1	288	20:50:50.133	176GH6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2O0	4	0	6,255,668:00:0	
627	1	288	20:51:41.466	117GH	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	6,255,668:77:0	
628	1	288	20:51:50.800	117GH105A106A4A	7STRP	0.013401,-0.0025	Slew =,0.06	2O0	4	0	6,255,669:00:0	
629	1	288	20:55:37.466	117GH105A106A4B	7STRP	-0.013201,0.0033	Slew =12.01	2O0	4	0	6,255,672:67:0	
630	1	288	20:55:48.800	117GH105A106A4C	7STRP	0.013401,-0.0025	Slew =,0.06	2O0	4	0	6,255,672:84:0	
631	1	288	20:56:56.800	488AI6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,255,674:04:0	
632	1	288	20:59:35.466	117GH105A106A4D	7STRP	-0.013201,0.0033	Slew =12.01	2O0	4	0	6,255,676:60:0	
633	1	288	20:59:46.800	117GH105A106A4E	7STRP	0.013401,-0.0025	Slew =,0.06	2O0	4	0	6,255,676:77:0	
634	1	288	21:03:24.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2589.59 +/-	2O0	4	0	6,255,680:40:0	
635	1	288	21:03:24.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,680:40:0	
636	1	288	21:03:26.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2589.71 +/-	2O0	4	0	6,255,680:42:1	
637	1	288	21:03:31.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2590.94 +/-	2O0	4	0	6,255,680:50:0	
638	1	288	21:03:32.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2591.00 +/-	2O0	4	0	6,255,680:51:8	
639	1	288	21:03:33.466	117GH105A106A4F	7STRP	-0.013201,0.0033	Slew =12.01	2O0	4	0	6,255,680:53:0	
640	1	288	21:03:34.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2590.88 +/-	2O0	4	0	6,255,680:53:9	
641	1	288	21:03:44.800	117GH105A106A4G	7STRP	0.013401,-0.0025	Slew =,0.06	2O0	4	0	6,255,680:70:0	
642	1	288	21:03:50.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2587.11 +/-	2O0	4	0	6,255,680:78:0	
643	1	288	21:04:12.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2581.80 +/-	2O0	4	0	6,255,681:21:0	
644	1	288	21:04:12.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,681:21:0	
645	1	288	21:04:14.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2581.74 +/-	2O0	4	0	6,255,681:22:8	
646	1	288	21:07:31.466	117GH105A106A4H	7STRP	-0.013201,0.0033	Slew =12.01	2O0	4	0	6,255,684:46:0	
647	1	288	21:07:42.800	117GH105A106A4I	7STRP	0.013401,-0.0025	Slew =,0.06	2O0	4	0	6,255,684:63:0	
648	1	288	21:11:29.466	117GH105A106A4J	7STRP	-0.013201,0.0033	Slew =12.01	2O0	4	0	6,255,688:39:0	
649	1	288	21:11:40.800	117GH105A106A4K	7STRP	0.013401,-0.0025	Slew =,0.06	2O0	4	0	6,255,688:56:0	
650	1	288	21:15:27.466	117GH105A106A4L	7STRP	-0.013201,0.0033	Slew =12.01	2O0	4	0	6,255,692:32:0	
651	1	288	21:15:38.800	117GH105A106A4M	7STRP	0.013401,-0.0025	Slew =,0.06	2O0	4	0	6,255,692:49:0	
652	1	288	21:16:26.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2581.74 +/-	2O0	4	0	6,255,693:30:0	
653	1	288	21:16:26.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,693:30:0	
654	1	288	21:16:28.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2581.86 +/-	2O0	4	0	6,255,693:32:1	
655	1	288	21:16:33.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2583.10 +/-	2O0	4	0	6,255,693:40:0	
656	1	288	21:16:34.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2583.16 +/-	2O0	4	0	6,255,693:41:8	
657	1	288	21:16:36.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2583.04 +/-	2O0	4	0	6,255,693:43:9	
658	1	288	21:16:52.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2579.27 +/-	2O0	4	0	6,255,693:68:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
659	1	288	21:17:14.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,694:11:0
660	1	288	21:17:14.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2573.96 +/-	2O0	4	0	6,255,694:11:0
661	1	288	21:17:16.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2573.90 +/-	2O0	4	0	6,255,694:12:8
662	1	288	21:19:25.466	117GH105A106A4N	7STRP	-0.013201,0.0033	Slew =12.01	2O0	4	0	6,255,696:25:0
663	1	288	21:19:36.800	117GH105A106A4O	7STRP	0.013401,-0.0025	Slew =,0.06	2O0	4	0	6,255,696:42:0
664	1	288	21:23:23.466	117GH105A106A4P	7STRP	-0.013201,0.0033	Slew =12.01	2O0	4	0	6,255,700:18:0
665	1	288	21:23:34.800	117GH105A106A4Q	7STRP	0.013401,-0.0025	Slew =,0.06	2O0	4	0	6,255,700:35:0
666	1	288	21:27:21.466	117GH105A106A4R	7STRP	-0.013201,0.0033	Slew =12.01	2O0	4	0	6,255,704:11:0
667	1	288	21:27:32.800	117GH105A106A4S	7STRP	0.013401,-0.0025	Slew =,0.06	2O0	4	0	6,255,704:28:0
668	1	288	21:29:28.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2573.90 +/-	2O0	4	0	6,255,706:20:0
669	1	288	21:29:28.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,706:20:0
670	1	288	21:29:30.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2574.02 +/-	2O0	4	0	6,255,706:22:1
671	1	288	21:29:35.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2575.25 +/-	2O0	4	0	6,255,706:30:0
672	1	288	21:29:36.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2575.31 +/-	2O0	4	0	6,255,706:31:8
673	1	288	21:29:38.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2575.19 +/-	2O0	4	0	6,255,706:33:9
674	1	288	21:29:54.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2571.43 +/-	2O0	4	0	6,255,706:58:0
675	1	288	21:30:16.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,707:01:0
676	1	288	21:30:16.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2566.11 +/-	2O0	4	0	6,255,707:01:0
677	1	288	21:30:18.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2566.05 +/-	2O0	4	0	6,255,707:02:8
678	1	288	21:31:19.466	117GH105A106A4T	7STRP	-0.013201,0.0033	Slew =12.01	2O0	4	0	6,255,708:04:0
679	1	288	21:31:30.800	117GH105A106A4U	7STRP	0.013401,-0.0025	Slew =,0.06	2O0	4	0	6,255,708:21:0
680	1	288	21:35:17.466	117GH105A106A4V	7STRP	-0.013201,0.0033	Slew =12.01	2O0	4	0	6,255,711:88:0
681	1	288	21:35:28.800	117GH105A106A4W	7STRP	0.013401,-0.0025	Slew =,0.06	2O0	4	0	6,255,712:14:0
682	1	288	21:39:15.466	117GH105A106A4X	7STRP	-0.013201,0.0033	Slew =12.01	2O0	4	0	6,255,715:81:0
683	1	288	21:39:26.800	117GH105A106A4Y	7STRP	0.013401,-0.0025	Slew =,0.06	2O0	4	0	6,255,716:07:0
684	1	288	21:42:31.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,719:11:0
685	1	288	21:42:31.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2566.05 +/-	2O0	4	0	6,255,719:11:0
686	1	288	21:42:32.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2566.17 +/-	2O0	4	0	6,255,719:13:1
687	1	288	21:42:38.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2567.41 +/-	2O0	4	0	6,255,719:21:0
688	1	288	21:42:39.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2567.47 +/-	2O0	4	0	6,255,719:22:8
689	1	288	21:42:40.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2567.35 +/-	2O0	4	0	6,255,719:24:9
690	1	288	21:42:56.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2563.74 +/-	2O0	4	0	6,255,719:48:0
691	1	288	21:43:13.466	117GH105A106B4A	7STRP	0.005,0.004,0,0,	Slew =12.01	2O0	4	0	6,255,719:74:0
692	1	288	21:43:18.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2558.43 +/-	2O0	4	0	6,255,719:82:0
693	1	288	21:43:18.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,719:82:0
694	1	288	21:43:20.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2558.37 +/-	2O0	4	0	6,255,719:83:8
695	1	288	21:43:28.800	117GH105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.06	2O0	4	0	6,255,720:06:0
696	1	288	21:45:28.133	117GH11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	6,255,722:03:0
697	1	288	21:46:56.800	176GH6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,255,723:45:0
698	1	288	21:46:58.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,723:48:0
699	1	288	21:46:58.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2558.37 +/-	2O0	4	0	6,255,723:48:0
700	1	288	21:47:00.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2558.49 +/-	2O0	4	0	6,255,723:50:1
701	1	288	21:47:05.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2559.72 +/-	2O0	4	0	6,255,723:58:0
702	1	288	21:47:06.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2559.78 +/-	2O0	4	0	6,255,723:59:8
703	1	288	21:47:08.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2559.66 +/-	2O0	4	0	6,255,723:61:9
704	1	288	21:47:08.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2559.49 +/-	2O0	4	0	6,255,723:63:0
705	1	288	21:47:22.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,723:83:0
706	1	288	21:47:22.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2556.36 +/-	2O0	4	0	6,255,723:83:0
707	1	288	21:47:23.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2556.30 +/-	2O0	4	0	6,255,723:84:8
708	1	288	21:49:00.133	411JD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,725:48:0
709	1	288	21:49:00.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2556.30 +/-	2O0	4	0	6,255,725:48:0
710	1	288	21:49:01.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2556.42 +/-	2O0	4	0	6,255,725:50:1
711	1	288	21:49:06.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2557.66 +/-	2O0	4	0	6,255,725:58:0
712	1	288	21:49:08.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2557.72 +/-	2O0	4	0	6,255,725:59:8
713	1	288	21:49:09.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2557.60 +/-	2O0	4	0	6,255,725:61:9

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
714	1	288	21:49:09.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2557.60 +/-	2O0	4	0	6,255,725:61:9
715	1	288	21:49:10.133	411JD6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	6,255,725:63:0
716	1	288	21:50:28.800	165GI4A	7SCAN	NORM,224.424,-24	Check S/P Position	2O0	4	0	6,255,726:90:0
717	1	288	21:51:11.466	411JD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,255,727:63:0
718	1	288	21:51:14.133	175TL176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	6,255,727:67:0
719	1	288	21:51:14.800	175TL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,727:68:0
720	1	288	21:51:20.800	117GI	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	6,255,727:77:0
721	1	288	21:51:21.466	175TL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,255,727:78:0
722	1	288	21:51:21.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2526.65 +/-	2O0	4	0	6,255,727:78:0
723	1	288	21:51:22.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2526.59 +/-	2O0	4	0	6,255,727:79:8
724	1	288	21:51:30.133	117GI105A106A4A	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,728:00:0
725	1	288	21:53:22.133	175NB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,255,729:77:0
726	1	288	21:53:22.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2526.59 +/-	2O0	4	0	6,255,729:77:0
727	1	288	21:53:23.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2526.71 +/-	2O0	4	0	6,255,729:79:1
728	1	288	21:53:28.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2527.94 +/-	2O0	4	0	6,255,729:87:0
729	1	288	21:53:30.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2528.00 +/-	2O0	4	0	6,255,729:88:8
730	1	288	21:53:30.800	175NB176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	6,255,729:90:0
731	1	288	21:53:31.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2527.88 +/-	2O0	4	0	6,255,729:90:9
732	1	288	21:53:31.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2527.88 +/-	2O0	4	0	6,255,729:90:9
733	1	288	21:54:00.133	117GI105A106A4B	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,730:43:0
734	1	288	21:54:11.466	117GI105A106A4C	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,730:60:0
735	1	288	21:54:25.466	282NC431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	2O0	4	0	6,255,730:81:0
736	1	288	21:54:32.133	431OB6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2O0	4	0	6,255,731:00:0
737	1	288	21:56:41.466	117GI105A106A4D	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,733:12:0
738	1	288	21:56:52.800	117GI105A106A4E	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,733:29:0
739	1	288	21:59:22.800	117GI105A106A4F	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,735:72:0
740	1	288	21:59:34.133	117GI105A106A4G	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,735:89:0
741	1	288	22:02:04.133	117GI105A106A4H	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,738:41:0
742	1	288	22:02:15.466	117GI105A106A4I	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,738:58:0
743	1	288	22:04:45.466	117GI105A106A4J	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,741:10:0
744	1	288	22:04:56.800	117GI105A106A4K	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,741:27:0
745	1	288	22:07:26.800	117GI105A106A4L	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,743:70:0
746	1	288	22:07:38.133	117GI105A106A4M	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,743:87:0
747	1	288	22:10:08.133	117GI105A106A4N	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,746:39:0
748	1	288	22:10:19.466	117GI105A106A4O	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,746:56:0
749	1	288	22:12:49.466	117GI105A106A4P	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,749:08:0
750	1	288	22:13:00.800	117GI105A106A4Q	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,749:25:0
751	1	288	22:15:30.800	117GI105A106A4R	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,751:68:0
752	1	288	22:15:42.133	117GI105A106A4S	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,751:85:0
753	1	288	22:18:12.133	117GI105A106A4T	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,754:37:0
754	1	288	22:18:23.466	117GI105A106A4U	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,754:54:0
755	1	288	22:20:53.466	117GI105A106A4V	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,757:06:0
756	1	288	22:21:04.800	117GI105A106A4W	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,757:23:0
757	1	288	22:23:34.800	117GI105A106A4X	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,759:66:0
758	1	288	22:23:46.133	117GI105A106A4Y	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,759:83:0
759	1	288	22:26:16.133	117GI105A106A4Z	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,762:35:0
760	1	288	22:26:27.466	117GI105A106A4AA	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,762:52:0
761	1	288	22:28:57.466	117GI105A106A4AB	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,765:04:0
762	1	288	22:29:08.800	117GI105A106A4AC	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,765:21:0
763	1	288	22:31:38.800	117GI105A106A4AD	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,767:64:0
764	1	288	22:31:50.133	117GI105A106A4AE	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,767:81:0
765	1	288	22:34:20.133	117GI105A106A4AF	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,770:33:0
766	1	288	22:34:31.466	117GI105A106A4AG	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,770:50:0
767	1	288	22:37:01.466	117GI105A106A4AH	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,773:02:0
768	1	288	22:37:12.800	117GI105A106A4AI	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,773:19:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	1	288	22:39:42.800	117GI105A106A4AJ	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,775:62:0	
770	1	288	22:39:54.133	117GI105A106A4AK	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,775:79:0	
771	1	288	22:42:24.133	117GI105A106A4AL	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,778:31:0	
772	1	288	22:42:35.466	117GI105A106A4AM	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,778:48:0	
773	1	288	22:44:46.133	488AI6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,255,780:62:0	
774	1	288	22:45:05.466	117GI105A106A4AN	7STRP	-0.021103,0.0015	Slew =12.01	2O0	4	0	6,255,781:00:0	
775	1	288	22:45:16.800	117GI105A106A4AO	7STRP	0.020603,-0.003,	Slew =,0.14	2O0	4	0	6,255,781:17:0	
776	1	288	22:47:46.800	117GI105A106B4A	7STRP	0.004,-0.004,0,0	Slew =12.01	2O0	4	0	6,255,783:60:0	
777	1	288	22:48:03.466	117GI105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.14	2O0	4	0	6,255,783:85:0	
778	1	288	22:50:04.800	117GI11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	6,255,785:85:0	
779	1	288	22:51:08.800	165GJ4A	7SCAN	NORM,225.389,-24	Check S/P Position	2O0	4	0	6,255,786:90:0	
780	1	288	22:52:00.800	117GJ	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	6,255,787:77:0	
781	1	288	22:52:10.133	117GJ105A106A4A	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,788:00:0	
782	1	288	22:54:28.800	117GJ105A106A4B	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,790:26:0	
783	1	288	22:54:40.133	117GJ105A106A4C	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,790:43:0	
784	1	288	22:56:58.800	117GJ105A106A4D	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,792:69:0	
785	1	288	22:57:10.133	117GJ105A106A4E	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,792:86:0	
786	1	288	22:59:28.800	117GJ105A106A4F	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,795:21:0	
787	1	288	22:59:40.133	117GJ105A106A4G	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,795:38:0	
788	1	288	23:01:58.800	117GJ105A106A4H	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,797:64:0	
789	1	288	23:02:10.133	117GJ105A106A4I	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,797:81:0	
790	1	288	23:04:28.800	117GJ105A106A4J	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,800:16:0	
791	1	288	23:04:40.133	117GJ105A106A4K	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,800:33:0	
792	1	288	23:06:58.800	117GJ105A106A4L	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,802:59:0	
793	1	288	23:07:10.133	117GJ105A106A4M	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,802:76:0	
794	1	288	23:09:28.800	117GJ105A106A4N	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,805:11:0	
795	1	288	23:09:40.133	117GJ105A106A4O	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,805:28:0	
796	1	288	23:11:58.800	117GJ105A106A4P	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,807:54:0	
797	1	288	23:12:10.133	117GJ105A106A4Q	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,807:71:0	
798	1	288	23:14:28.800	117GJ105A106A4R	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,810:06:0	
799	1	288	23:14:40.133	117GJ105A106A4S	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,810:23:0	
800	1	288	23:16:58.800	117GJ105A106A4T	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,812:49:0	
801	1	288	23:17:10.133	117GJ105A106A4U	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,812:66:0	
802	1	288	23:19:28.800	117GJ105A106A4V	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,815:01:0	
803	1	288	23:19:40.133	117GJ105A106A4W	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,815:18:0	
804	1	288	23:21:58.800	117GJ105A106A4X	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,817:44:0	
805	1	288	23:22:10.133	117GJ105A106A4Y	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,817:61:0	
806	1	288	23:24:28.800	117GJ105A106A4Z	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,819:87:0	
807	1	288	23:24:40.133	117GJ105A106A4AA	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,820:13:0	
808	1	288	23:26:58.800	117GJ105A106A4AB	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,822:39:0	
809	1	288	23:27:10.133	117GJ105A106A4AC	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,822:56:0	
810	1	288	23:29:28.800	117GJ105A106A4AD	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,824:82:0	
811	1	288	23:29:40.133	117GJ105A106A4AE	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,825:08:0	
812	1	288	23:31:58.800	117GJ105A106A4AF	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,827:34:0	
813	1	288	23:32:10.133	117GJ105A106A4AG	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,827:51:0	
814	1	288	23:34:28.800	117GJ105A106A4AH	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,829:77:0	
815	1	288	23:34:40.133	117GJ105A106A4AI	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,830:03:0	
816	1	288	23:36:58.800	117GJ105A106A4AJ	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,832:29:0	
817	1	288	23:37:10.133	117GJ105A106A4AK	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,832:46:0	
818	1	288	23:39:28.800	117GJ105A106A4AL	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,834:72:0	
819	1	288	23:39:40.133	117GJ105A106A4AM	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,834:89:0	
820	1	288	23:41:58.800	117GJ105A106A4AN	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,837:24:0	
821	1	288	23:42:10.133	117GJ105A106A4AO	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,837:41:0	
822	1	288	23:44:28.800	117GJ105A106A4AP	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,839:67:0	
823	1	288	23:44:40.133	117GJ105A106A4AQ	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,839:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
824	1	288	23:46:58.800	117GJ105A106A4AR	7STRP	-0.019402,0.0030	Slew =12.01	2O0	4	0	6,255,842:19:0
825	1	288	23:47:10.133	117GJ105A106A4AS	7STRP	0.019002,-0.0024	Slew =,0.14	2O0	4	0	6,255,842:36:0
826	1	288	23:49:28.800	117GJ105A106B4A	7STRP	0.006,0.002,0,0,	Slew =12.01	2O0	4	0	6,255,844:62:0
827	1	288	23:49:41.466	117GJ105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.14	2O0	4	0	6,255,844:81:0
828	1	288	23:50:42.133	117GJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	6,255,845:81:0
829	1	288	23:51:48.800	165GK4A	7SCAN	NORM,228.000999,	Check S/P Position	2O0	4	0	6,255,846:90:0
830	1	288	23:52:40.800	117GK	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	6,255,847:77:0
831	1	288	23:52:50.133	117GK105A106A4A	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,848:00:0
832	1	288	23:54:23.466	117GK105A106A4B	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,849:49:0
833	1	288	23:54:35.466	117GK105A106A4C	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,849:67:0
834	1	288	23:54:55.466	488AI6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,255,850:06:0
835	1	288	23:56:08.800	117GK105A106A4D	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,851:25:0
836	1	288	23:56:08.800	488AI6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,255,851:25:0
837	1	288	23:56:20.800	117GK105A106A4E	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,851:43:0
838	1	288	23:57:54.133	117GK105A106A4F	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,853:01:0
839	1	288	23:58:06.133	117GK105A106A4G	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,853:19:0
840	1	288	23:59:39.466	117GK105A106A4H	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,854:68:0
841	1	288	23:59:51.466	117GK105A106A4I	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,854:86:0
842	1	289	00:00:00.133	481UB4A	7VECT	BB1	Inert vect update UTC	2O0	4	0	6,255,855:08:0
843	1	289	00:01:24.800	117GK105A106A4J	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,856:44:0
844	1	289	00:01:36.800	117GK105A106A4K	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,856:62:0
845	1	289	00:03:10.133	117GK105A106A4L	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,858:20:0
846	1	289	00:03:22.133	117GK105A106A4M	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,858:38:0
847	1	289	00:04:55.466	117GK105A106A4N	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,859:87:0
848	1	289	00:05:07.466	117GK105A106A4O	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,860:14:0
849	1	289	00:06:40.800	117GK105A106A4P	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,861:63:0
850	1	289	00:06:52.800	117GK105A106A4Q	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,861:81:0
851	1	289	00:08:26.133	117GK105A106A4R	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,863:39:0
852	1	289	00:08:38.133	117GK105A106A4S	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,863:57:0
853	1	289	00:10:11.466	117GK105A106A4T	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,865:15:0
854	1	289	00:10:23.466	117GK105A106A4U	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,865:33:0
855	1	289	00:11:56.800	117GK105A106A4V	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,866:82:0
856	1	289	00:12:08.800	117GK105A106A4W	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,867:09:0
857	1	289	00:13:42.133	117GK105A106A4X	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,868:58:0
858	1	289	00:13:54.133	117GK105A106A4Y	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,868:76:0
859	1	289	00:15:27.466	117GK105A106A4Z	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,870:34:0
860	1	289	00:15:39.466	117GK105A106A4AA	7STRP	0.012601,-0.002,	Slew =,0.14	2O0	4	0	6,255,870:52:0
861	**1**	**289**	**00:17:10.100**	**32NNTHPELE01-**		**-----START------**		**2O0**	**4**	**0**	**: :**
862	1	289	00:17:12.800	117GK105A106A4AB	7STRP	-0.013851,0.0021	Slew =12.01	2O0	4	0	6,255,872:10:0
863	**1**	**289**	**00:17:20.800**	**20DA5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,255,872:22:0**
864	**1**	**289**	**00:17:22.133**	**20DA5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,255,872:24:0**
865	**1**	**289**	**00:17:24.133**	**20DA6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,255,872:27:0**
866	1	289	00:17:24.800	117GK105A106A4AC	7STRP	0.012601,-0.002,	Slew =,0.14		4	0	6,255,872:28:0
867	**1**	**289**	**00:17:34.133**	**20DA6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,255,872:42:0**
868	**1**	**289**	**00:17:47.466**	**20DA5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,255,872:62:0**
869	**1**	**289**	**00:17:50.800**	**20DA5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,255,872:67:0**
870	**1**	**289**	**00:18:22.133**	**20DA4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,255,873:23:0**
871	1	289	00:18:58.133	117GK105A106B4A	7STRP	-0.025005,0.0300	Slew =12.01	2R0	4	0	6,255,873:77:0
872	1	289	00:19:14.800	117GK105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.14	2R0	4	0	6,255,874:11:0
873	**1**	**289**	**00:20:10.233**	**32NNTHPELE01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
874	1	289	00:20:38.133	175NB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	6,255,875:45:0
875	1	289	00:20:38.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 459.11 +/-	2R0	4	0	6,255,875:45:0
876	1	289	00:20:39.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 459.05 +/-	2R0	4	0	6,255,875:46:8
877	**1**	**289**	**00:21:04.100**	**32INTHPELE01-**		**-----START------**		**2R0**	**4**	**0**	**: :**
878	1	289	00:21:04.133	125DA	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	6,255,875:84:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
879	1	289	00:21:04.133	125DA4A	37IST	0,2,0,OFF,0,1,3	Gain State 1	1R0	4	0	6,255,875:84:0
880	1	289	00:21:06.133	117GK11A	CSMOS	GE	***** GROUP END CSMOS	1R0	4	0	6,255,875:87:0
881	1	289	00:22:04.800	125DA11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	6,255,876:84:0
882	1	289	00:22:04.800	125DA4B	37MB	0,0,0,0,0,0,0	Selects mirror (spatial) edit table	1R0	4	0	6,255,876:84:0
883	1	289	00:22:08.800	165DA4A	7SCAN	NORM,224.594999,	Check S/P Position	1R0	4	0	6,255,876:90:0
884	1	289	00:22:55.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 459.05 +/-	1R0	4	0	6,255,877:69:0
885	1	289	00:22:55.466	175DA422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	1R0	4	0	6,255,877:69:0
886	1	289	00:22:56.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 459.17 +/-	1R0	4	0	6,255,877:71:1
887	1	289	00:23:00.800	117DA	CSMOS	GS	***** GROUP START CSMOS	1R0	4	0	6,255,877:77:0
888	1	289	00:23:02.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 460.41 +/-	1R0	4	0	6,255,877:79:0
889	1	289	00:23:03.333		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC * 460.47 +/-	1R0	4	0	6,255,877:80:8
890	1	289	00:23:05.466	127DA4A	37IOP	3,0	Long Map, Grating Start Position =00	1R3	4	0	6,255,877:84:0
891	1	289	00:23:05.466	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	6,255,877:84:0
892	1	289	00:23:06.133	127DA4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	1R3	4	0	6,255,877:85:0
893	1	289	00:23:06.800	175DA176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	1R3	4	0	6,255,877:86:0
894	1	289	00:23:07.333		DMS:	: *RECORD	R28, TRACK 2, REV, TIC * 458.97 +/-	1R3	4	0	6,255,877:86:8
895	1	289	00:23:07.333		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 458.97 +/-	1R3	4	0	6,255,877:86:8
896	1	289	00:23:08.800	165DA4B	7VECT		Inert vect update UTC	1R3	4	0	6,255,877:89:0
897	1	289	00:23:09.466	32INTHPELE01-	NIMPBK	301DA	IO PELE OBSERVATION	1R3	4	0	: :
898	1	289	00:23:09.466	32INTHPELE01-	NIMPBK	301EA	IO PELE OBSERVATION	1R3	4	0	: :
899	1	289	00:23:10.133	117DA105A106A4A	7STRP	0.0071,0.0,0,0,0	Slew =,0.03	1R3	4	0	6,255,878:00:0
900	1	289	00:23:14.133	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	6,255,878:06:0
901	1	289	00:27:08.800	32INTHPELE01-	DESELC	300EA	IO PELE OBSERVATION	1R3	4	0	: :
902	1	289	00:27:08.800	32INTHPELE01-	DESELC	300DA	IO PELE OBSERVATION	1R3	4	0	: :
903	1	289	00:27:10.133	117DA11A	CSMOS	GE	***** GROUP END CSMOS	1R3	4	0	6,255,881:87:0
904	1	289	00:27:11.466	175DA422A6B	6DMSC	RDY,0	DMS Control Tape stop	1R3	4	0	6,255,881:89:0
905	1	289	00:27:11.466		DMS:	: *RUNDOWN	R28, TRACK 2, REV, TIC * 244.40 +/-	1R3	4	0	6,255,881:89:0
906	1	289	00:27:12.133	165GL4A	7SCAN	NORM,228.674999,	Check S/P Position	1R3	4	0	6,255,881:90:0
907	1	289	00:27:12.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 244.10 +/-	1R3	4	0	6,255,881:90:8
908	1	289	00:27:16.900	32INTHPELE01-		-----STOP-------		1R3	4	0	: :
909	1	289	00:28:14.133	465KC6A	6DMSC	RDY,3	DMS Control Tape stop	1R3	4	0	6,255,883:01:0
910	1	289	00:28:14.133		DMS:	: READY	RDY, TRACK *3, *FWD, TIC 244.10 +/-	1R3	4	0	6,255,883:01:0
911	1	289	00:29:03.466	175TA422A6A	6DMSC	R7,3	DMS Control	1R3	4	0	6,255,883:75:0
912	1	289	00:29:03.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 244.10 +/-	1R3	4	0	6,255,883:75:0
913	1	289	00:29:04.800	117GL	CSMOS	GS	***** GROUP START CSMOS	1R3	4	0	6,255,883:77:0
914	1	289	00:29:10.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 244.10 +/-	1R3	4	0	6,255,883:85:0
915	1	289	00:29:11.466	175TA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1R3	4	0	6,255,883:87:0
916	1	289	00:29:11.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 244.22 +/-	1R3	4	0	6,255,883:87:1
917	1	289	00:29:11.533		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC * 244.22 +/-	1R3	4	0	6,255,883:87:1
918	1	289	00:29:14.133	117GL105A106A4A	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,884:00:0
919	1	289	00:29:52.133	117GL105A106A4B	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,884:57:0
920	1	289	00:30:08.133	117GL105A106A4C	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,884:81:0
921	1	289	00:30:46.133	117GL105A106A4D	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,885:47:0
922	1	289	00:31:02.133	117GL105A106A4E	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,885:71:0
923	1	289	00:31:40.133	117GL105A106A4F	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,886:37:0
924	1	289	00:31:56.133	117GL105A106A4G	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,886:61:0
925	1	289	00:32:34.133	117GL105A106A4H	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,887:27:0
926	1	289	00:32:34.800	488AI6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1R3	4	0	6,255,887:28:0
927	1	289	00:32:50.133	117GL105A106A4I	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,887:51:0
928	1	289	00:33:28.133	117GL105A106A4J	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,888:17:0
929	1	289	00:33:44.133	117GL105A106A4K	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,888:41:0
930	1	289	00:34:16.133	431OC6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1R3	4	0	6,255,888:89:0
931	1	289	00:34:22.133	117GL105A106A4L	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,889:07:0
932	1	289	00:34:38.133	117GL105A106A4M	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,889:31:0
933	1	289	00:35:16.133	117GL105A106A4N	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,889:88:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	1	289	00:35:32.133	117GL105A106A4O	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,890:21:0	
935	1	289	00:36:10.133	117GL105A106A4P	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,890:78:0	
936	1	289	00:36:26.133	117GL105A106A4Q	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,891:11:0	
937	1	289	00:37:04.133	117GL105A106A4R	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,891:68:0	
938	1	289	00:37:20.133	117GL105A106A4S	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,892:01:0	
939	1	289	00:37:58.133	117GL105A106A4T	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,892:58:0	
940	1	289	00:38:14.133	117GL105A106A4U	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,892:82:0	
941	1	289	00:38:52.133	117GL105A106A4V	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,893:48:0	
942	1	289	00:39:08.133	117GL105A106A4W	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,893:72:0	
943	1	289	00:39:46.133	117GL105A106A4X	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,894:38:0	
944	1	289	00:40:02.133	117GL105A106A4Y	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,894:62:0	
945	1	289	00:40:40.133	117GL105A106A4Z	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,895:28:0	
946	1	289	00:40:56.133	117GL105A106A4AA	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,895:52:0	
947	1	289	00:41:34.133	117GL105A106A4AB	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,896:18:0	
948	1	289	00:41:50.133	117GL105A106A4AC	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,896:42:0	
949	1	289	00:42:28.133	117GL105A106A4AD	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,897:08:0	
950	1	289	00:42:44.133	117GL105A106A4AE	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,897:32:0	
951	1	289	00:43:22.133	117GL105A106A4AF	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,897:89:0	
952	1	289	00:43:38.133	117GL105A106A4AG	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,898:22:0	
953	1	289	00:44:16.133	117GL105A106A4AH	7STRP	-0.0015,-0.02210	Slew =12.01	1R3	4	0	6,255,898:79:0	
954	1	289	00:44:32.133	117GL105A106A4AI	7STRP	-0.0007,0.019704	Slew =,0.77	1R3	4	0	6,255,899:12:0	
955	1	289	00:45:10.133	117GL105A106B4A	7STRP	-0.070115,-0.020	Slew =12.01	1R3	4	0	6,255,899:69:0	
956	1	289	00:45:25.466	117GL105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.77	1R3	4	0	6,255,900:01:0	
957	1	289	00:46:24.800	117GL11A	CSMOS	GE	***** GROUP END CSMOS	1R3	4	0	6,255,900:90:0	
958	1	289	00:46:25.466	431OD6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	1R3	4	0	6,255,901:00:0	
959	1	289	00:47:29.466	428JA6A	6RCCLR			1R3	4	0	6,255,902:05:0	
960	1	289	00:47:30.100	32NNTHLOKI01-		-----START------		1R3	4	0	: :	
961	1	289	00:47:30.133	428JA6B	6RCSET	12		1R3	4	0	6,255,902:06:0	
962	1	289	00:47:40.800	20DB5A	37PL		Program Load (halts microprocessor & unwri		4	0	6,255,902:22:0	
963	1	289	00:47:42.133	20DB5B	37MRL		Memory Realocate (software operates from R		4	0	6,255,902:24:0	
964	1	289	00:47:44.133	20DB6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	6,255,902:27:0	
965	1	289	00:47:54.133	20DB6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	6,255,902:42:0	
966	1	289	00:48:07.466	20DB5C	37IRT		Instrument Reset (goes into POR state)		4	0	6,255,902:62:0	
967	1	289	00:48:10.800	20DB5D	37MN		Memory Normal (software operates from ROM)	260	4	0	6,255,902:67:0	
968	1	289	00:48:42.133	20DB4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,255,903:23:0	
969	1	289	00:50:30.233	32NNTHLOKI01-		-----STOP-------		2R0	4	0	: :	
970	1	289	00:51:24.100	32INTHLOKI01-		-----START------		2R0	4	0	: :	
971	1	289	00:51:24.133	125DB4A	37IST	0,2,0,OFF,0,1,3	Gain State 1	1R0	4	0	6,255,905:84:0	
972	1	289	00:51:24.133	125DB	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	6,255,905:84:0	
973	1	289	00:52:13.466	20IB6B	6MCOPY	HLM1A,E700,B1A1A	HLM1A,E700,B1A1A,5D2F,5DC	1R0	4	0	6,255,906:67:0	
974	1	289	00:52:24.800	125DB11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	6,255,906:84:0	
975	1	289	00:52:24.800	125DB4B	37MB	0,0,0,0,0,0	Selects mirror (spatial) edit table	1R0	4	0	6,255,906:84:0	
976	1	289	00:53:25.466	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	6,255,907:84:0	
977	1	289	00:53:25.466	127DB4A	37IOP	3,0	Long Map, Grating Start Position =00	1R3	4	0	6,255,907:84:0	
978	1	289	00:53:26.133	127DB4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	1R3	4	0	6,255,907:85:0	
979	1	289	00:53:29.466	165DB4A	7SCAN	NORM,232.25,-15.	Check S/P Position	1R3	4	0	6,255,907:90:0	
980	1	289	00:53:34.133	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	6,255,908:06:0	
981	1	289	00:54:21.466	117DB	CSMOS	GS	***** GROUP START CSMOS	1R3	4	0	6,255,908:77:0	
982	1	289	00:54:22.133		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC * 598.27 +/-	1R3	4	0	6,255,908:78:0	
983	1	289	00:54:22.133	175DB422A6A	6DMSC	R28,3	DMS Control	1R3	4	0	6,255,908:78:0	
984	1	289	00:54:23.333		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC * 598.33 +/-	1R3	4	0	6,255,908:79:8	
985	1	289	00:54:27.333		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 599.83 +/-	1R3	4	0	6,255,908:85:8	
986	1	289	00:54:27.333		DMS:	: *RECORD	R28, TRACK 3, FWD, TIC * 599.83 +/-	1R3	4	0	6,255,908:85:8	
987	1	289	00:54:27.466	175DB176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	1R3	4	0	6,255,908:86:0	
988	1	289	00:54:29.466	165DB4B	7VECT		Inert vect update UTC	1R3	4	0	6,255,908:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	1	289	00:54:29.466	32INTHLOKI01-	NIMPBK	301DB	IO LOKI OBSERVATION	1R3	4	0	: :	
990	1	289	00:54:29.466	32INTHLOKI01-	NIMPBK	301EB	IO LOKI OBSERVATION	1R3	4	0	: :	
991	1	289	00:54:30.800	117DB105A106A4A	7STRP	-0.018102,-0.002	Slew =,0.03	1R3	4	0	6,255,909:00:0	
992	1	289	00:59:32.800	428JB6A	6RCCLR			1R3	4	0	6,255,913:89:0	
993	1	289	00:59:33.466	428JB6B	6RCSET	8		1R3	4	0	6,255,913:90:0	
994	1	289	01:00:00.133	481UC4A	7VECT	BB2	Inert vect update UTC	1R3	4	0	6,255,914:39:0	
995	1	289	01:02:30.133	488AJ6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1R3	4	0	6,255,916:82:0	
996	1	289	01:04:34.800	32INTHLOKI01-	DESELC	300DB	IO LOKI OBSERVATION	1R3	4	0	: :	
997	1	289	01:04:34.800	32INTHLOKI01-	DESELC	300EB	IO LOKI OBSERVATION	1R3	4	0	: :	
998	1	289	01:04:36.800	117DB11A	CSMOS	GE	***** GROUP END CSMOS	1R3	4	0	6,255,918:90:0	
999	1	289	01:04:37.466		DMS:	: *RUNDOWN	R28, TRACK 3, FWD, TIC *1136.08 +/-	1R3	4	0	6,255,919:00:0	
1000	1	289	01:04:37.466	175TB422A6A	6DMSC	R7,3	DMS Control	1R3	4	0	6,255,919:00:0	
1001	1	289	01:04:38.666		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *1136.38 +/-	1R3	4	0	6,255,919:01:8	
1002	1	289	01:04:40.066		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1136.50 +/-	1R3	4	0	6,255,919:03:9	
1003	1	289	01:04:40.066		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *1136.50 +/-	1R3	4	0	6,255,919:03:9	
1004	1	289	01:04:40.133	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1R3	4	0	6,255,919:04:0	
1005	1	289	01:04:41.400	32NNTHPELE02-		-----START------		1R3	4	0	: :	
1006	1	289	01:04:42.900	32INTHLOKI01-		-----STOP-------		1R3	4	0	: :	
1007	1	289	01:04:44.133	165IB4A	7SCAN	NORM,222.110998,	Check S/P Position	1R3	4	0	6,255,919:10:0	
1008	1	289	01:04:45.466	20DC5A	37PL		Program Load (halts microprocessor & unwri		4	0	6,255,919:12:0	
1009	1	289	01:04:52.133	20DC5B	37MRL		Memory Realocate (software operates from R		4	0	6,255,919:22:0	
1010	1	289	01:05:05.466	20DC6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	6,255,919:42:0	
1011	1	289	01:05:15.466	20DC6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	6,255,919:57:0	
1012	1	289	01:05:25.466	20DC5C	37IRT		Instrument Reset (goes into POR state)		4	0	6,255,919:72:0	
1013	1	289	01:05:28.800	20DC5D	37MN		Memory Normal (software operates from ROM)	260	4	0	6,255,919:77:0	
1014	1	289	01:05:39.466	428JC6A	6RCCLR			260	4	0	6,255,920:02:0	
1015	1	289	01:05:40.133	428JC6B	6RCSET	14		260	4	0	6,255,920:03:0	
1016	1	289	01:05:53.466	20DC4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,255,920:23:0	
1017	1	289	01:06:34.133		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *1163.23 +/-	2R0	4	0	6,255,920:84:0	
1018	1	289	01:06:34.133	175IB422A6A	6DMSC	R806,3	DMS Control	2R0	4	0	6,255,920:84:0	
1019	1	289	01:06:35.333		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *1163.29 +/-	2R0	4	0	6,255,920:85:8	
1020	1	289	01:06:37.466	165IB4B	7VECT		Inert vect update UTC	2R0	4	0	6,255,920:89:0	
1021	1	289	01:06:40.133	175IB176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R0	4	0	6,255,921:02:0	
1022	1	289	01:06:40.600		DMS:	: *RECORD	R806, TRACK 3, FWD, TIC *1229.29 +/-	2R0	4	0	6,255,921:02:7	
1023	1	289	01:06:40.600		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 1229.29 +/-	2R0	4	0	6,255,921:02:7	
1024	1	289	01:06:53.466	428JD6A	6RCCLR			2R0	4	0	6,255,921:22:0	
1025	1	289	01:06:54.133	20DC4B	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	6,255,921:23:0	
1026	1	289	01:06:54.133	428JD6B	6RCSET	11		2R3	4	0	6,255,921:23:0	
1027	1	289	01:06:54.800	20DC4C	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	6,255,921:24:0	
1028	1	289	01:07:04.800	175TC422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	6,255,921:39:0	
1029	1	289	01:07:04.800		DMS:	: *RUNDOWN	R806, TRACK 3, FWD, TIC *1824.84 +/-	2R3	4	0	6,255,921:39:0	
1030	1	289	01:07:07.533		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *1836.34 +/- 1	2R3	4	0	6,255,921:43:1	
1031	1	289	01:07:08.800	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,255,921:45:0	
1032	1	289	01:07:08.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1836.46 +/- 1	2R3	4	0	6,255,921:45:2	
1033	1	289	01:07:08.933		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *1836.46 +/- 1	2R3	4	0	6,255,921:45:2	
1034	1	289	01:07:14.133	428JE6A	6RCCLR			2R3	4	0	6,255,921:53:0	
1035	1	289	01:07:14.800	428JE6B	6RCSET	14		2R3	4	0	6,255,921:54:0	
1036	1	289	01:07:17.466	175JB422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	6,255,921:58:0	
1037	1	289	01:07:17.466		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *1838.46 +/- 1	2R3	4	0	6,255,921:58:0	
1038	1	289	01:07:18.666		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *1838.52 +/- 1	2R3	4	0	6,255,921:59:8	
1039	1	289	01:07:23.466	175JB176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,255,921:67:0	
1040	1	289	01:07:23.933		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 1904.52 +/- 1	2R3	4	0	6,255,921:67:7	
1041	1	289	01:07:23.933		DMS:	: *RECORD	R806, TRACK 3, FWD, TIC *1904.52 +/- 1	2R3	4	0	6,255,921:67:7	
1042	1	289	01:07:32.800	428JF6A	6RCCLR			2R3	4	0	6,255,921:81:0	
1043	1	289	01:07:33.466	428JF6B	6RCSET	11		2R3	4	0	6,255,921:82:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1044	**1**	**289**	**01:07:38.100**	**32INTHPELE02-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1045	1	289	01:07:38.800	165DC4A	**7SCAN**	**NORM,221.493999,**	**Check S/P Position**	2R3	4	0	6,255,921:90:0
1046	1	289	01:07:39.466	175TD422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	6,255,922:00:0
1047	1	289	01:07:39.466		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *2286.78 +/- 1	2R3	4	0	6,255,922:00:0
1048	1	289	01:07:42.200		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2298.28 +/- 1	2R3	4	0	6,255,922:04:1
1049	1	289	01:07:43.466	175TD176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,255,922:06:0
1050	1	289	01:07:43.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2298.40 +/- 1	2R3	4	0	6,255,922:06:2
1051	1	289	01:07:43.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2298.40 +/- 1	2R3	4	0	6,255,922:06:2
1052	**1**	**289**	**01:07:54.800**	**20DC4D**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R3**	**4**	**0**	**6,255,922:23:0**
1053	1	289	01:08:09.466	428JG6A	6RCCLR			1R3	4	0	6,255,922:45:0
1054	1	289	01:08:10.133	428JG6B	6RCSET	12		1R3	4	0	6,255,922:46:0
1055	1	289	01:08:30.800	117DC	**CSMOS**	GS	***** GROUP START CSMOS	1R3	4	0	6,255,922:77:0
1056	1	289	01:08:31.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2309.62 +/- 1	1R3	4	0	6,255,922:78:0
1057	1	289	01:08:31.466	175DC422A6A	6DMSC	R28,3	DMS Control	1R3	4	0	6,255,922:78:0
1058	1	289	01:08:32.666		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *2309.68 +/- 1	1R3	4	0	6,255,922:79:8
1059	1	289	01:08:36.666		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 2311.18 +/- 1	1R3	4	0	6,255,922:85:8
1060	1	289	01:08:36.666		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *2311.18 +/- 1	1R3	4	0	6,255,922:85:8
1061	1	289	01:08:36.800	175DC176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	1R3	4	0	6,255,922:86:0
1062	1	289	01:08:38.800	165DC4B	7VECT		Inert vect update UTC	1R3	4	0	6,255,922:89:0
1063	**1**	**289**	**01:08:38.800**	**32INTHPELE02-**	**NIMPBK**	**301DC**	**IO PELE MAP OBSERVATION**	**1R3**	**4**	**0**	**: :**
1064	**1**	**289**	**01:08:38.800**	**32INTHPELE02-**	**NIMPBK**	**301EC**	**IO PELE MAP OBSERVATION**	**1R3**	**4**	**0**	**: :**
1065	1	289	01:08:40.133	117DC105A106A4A	**7STRP**	**-0.01075,-0.002,**	**Slew =,0.03**	1R3	4	0	6,255,923:00:0
1066	**1**	**289**	**01:08:41.566**	**32NNTHPELE02-**		**-----STOP-------**		**1R3**	**4**	**0**	**: :**
1067	1	289	01:11:26.133	20IC6B	6MCOPY	HLM1A,E700,B1A1A	HLM1A,E700,B1A1A,5D2F,5DC	1R3	4	0	6,255,925:67:0
1068	1	289	01:11:37.466	428JH6A	6RCCLR			1R3	4	0	6,255,925:84:0
1069	1	289	01:11:38.133	428JH6B	6RCSET	8		1R3	4	0	6,255,925:85:0
1070	**1**	**289**	**01:14:35.466**	**32INTHPELE02-**	**DESELC**	**300EC**	**IO PELE MAP OBSERVATION**	**1R3**	**4**	**0**	**: :**
1071	**1**	**289**	**01:14:35.466**	**32INTHPELE02-**	**DESELC**	**300DC**	**IO PELE MAP OBSERVATION**	**1R3**	**4**	**0**	**: :**
1072	1	289	01:14:37.466		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *2628.29 +/- 1	1R3	4	0	6,255,928:81:0
1073	1	289	01:14:37.466	175TE422A6A	6DMSC	R7,3	DMS Control	1R3	4	0	6,255,928:81:0
1074	1	289	01:14:38.666		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2628.59 +/- 1	1R3	4	0	6,255,928:82:8
1075	1	289	01:14:40.066		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2628.71 +/- 1	1R3	4	0	6,255,928:84:9
1076	1	289	01:14:40.066		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2628.71 +/- 1	1R3	4	0	6,255,928:84:9
1077	1	289	01:14:40.133	175TE176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	1R3	4	0	6,255,928:85:0
1078	1	289	01:14:41.466	117DC11A	**CSMOS**	GE	***** GROUP END CSMOS	1R3	4	0	6,255,928:87:0
1079	**1**	**289**	**01:14:42.900**	**32INTHPELE02-**		**-----STOP-------**		**1R3**	**4**	**0**	**: :**
1080	1	289	01:14:43.466	165GM4A	7SCAN	NORM,243.147999,	Check S/P Position	1R3	4	0	6,255,928:90:0
1081	1	289	01:16:36.133	117GM	**CSMOS**	GS	***** GROUP START CSMOS	1R3	4	0	6,255,930:77:0
1082	1	289	01:16:45.466	117GM105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =0,9.0	1R3	4	0	6,255,931:00:0
1083	1	289	01:17:31.466	117GM105A106B4A	7STRP	0.014001,0.0,0,0	Slew =12.01	1R3	4	0	6,255,931:69:0
1084	1	289	01:17:42.133	117GM105A106B4B	7STRP	-0.142962,-0.317	Slew =0,9.0	1R3	4	0	6,255,931:85:0
1085	1	289	01:20:17.466	117GM105A106C4A	7STRP	0.016001,0.0,0,0	Slew =12.01	1R3	4	0	6,255,934:45:0
1086	1	289	01:20:28.133	117GM105A106C4B	7STRP	-0.142962,-0.261	Slew =0,9.0	1R3	4	0	6,255,934:61:0
1087	1	289	01:20:58.800	428JI6A	6RCCLR			1R3	4	0	6,255,935:16:0
1088	1	289	01:20:59.466	428JI6B	6RCSET	12		1R3	4	0	6,255,935:17:0
1089	1	289	01:21:59.466	117GM105A106D4A	7STRP	0.140922,0.0,0,0	Slew =12.01	1R3	4	0	6,255,936:16:0
1090	1	289	01:22:21.466	117GM105A106D4B	7STRP	-0.358244,-0.144	Slew =0,9.0	1R3	4	0	6,255,936:49:0
1091	1	289	01:23:50.133	117GM11A	**CSMOS**	GE	***** GROUP END CSMOS	1R3	4	0	6,255,938:00:0
1092	1	289	01:23:55.466	165IC4A	7SCAN	NORM,353.068996,	Check S/P Position	1R3	4	0	6,255,938:08:0
1093	**1**	**289**	**01:24:06.100**	**32NNTHERML01-**		**-----START------**		**1R3**	**4**	**0**	**: :**
1094	**1**	**289**	**01:24:10.800**	**20DD5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,255,938:31:0**
1095	**1**	**289**	**01:24:14.133**	**20DD5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,255,938:36:0**
1096	**1**	**289**	**01:24:17.466**	**20DD6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,255,938:41:0**
1097	**1**	**289**	**01:24:27.466**	**20DD6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,255,938:56:0**
1098	**1**	**289**	**01:24:37.466**	**20DD5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,255,938:71:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1099	1	289	01:24:40.800	20DD5D	37MN		Memory Normal (software operates from ROM)	260	4	0	6,255,938:76:0
1100	1	289	01:25:44.800	20DD4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,255,939:81:0
1101	1	289	01:26:44.800	20DD4B	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	6,255,940:80:0
1102	1	289	01:26:45.466	20DD4C	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	6,255,940:81:0
1103	1	289	01:26:56.133	118IC	SMOS	GS		2R3	4	0	6,255,941:06:0
1104	1	289	01:27:14.800	175IC422A6A	6DMSC	R403,3	DMS Control	2R3	4	0	6,255,941:34:0
1105	1	289	01:27:14.800		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *2805.60 +/- 1	2R3	4	0	6,255,941:34:0
1106	1	289	01:27:16.000		DMS:	: *RUNUP	R403, TRACK 3, FWD, TIC *2805.66 +/- 1	2R3	4	0	6,255,941:35:8
1107	1	289	01:27:16.800	165IC4B	7VECT		Inert vect update UTC	2R3	4	0	6,255,941:37:0
1108	1	289	01:27:19.466	175IC176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,255,941:41:0
1109	1	289	01:27:19.866		DMS:	: *RECORD	R403, TRACK 3, FWD, TIC *2828.66 +/- 1	2R3	4	0	6,255,941:41:6
1110	1	289	01:27:19.866		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 2828.66 +/- 1	2R3	4	0	6,255,941:41:6
1111	1	289	01:27:20.133	118IC110A111A4A	7STRP	-0.0068,-0.0032,	Slew =,2.61	2R3	4	0	6,255,941:42:0
1112	1	289	01:27:37.466	428JJ6A	6RCCLR			2R3	4	0	6,255,941:68:0
1113	1	289	01:27:38.133	428JJ6B	6RCSET	11		2R3	4	0	6,255,941:69:0
1114	1	289	01:27:46.133	118IC11A	SMOS	GE		2R3	4	0	6,255,941:81:0
1115	1	289	01:27:46.133	20DD4D	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R3	4	0	6,255,941:81:0
1116	1	289	01:27:51.400	32INTHERML01-		-----START------		2R3	4	0	: :
1117	1	289	01:27:52.133	165DD4A	7SCAN	NORM,36.802,23.3	Check S/P Position	2R3	4	0	6,255,941:90:0
1118	1	289	01:27:52.800	175TF422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	6,255,942:00:0
1119	1	289	01:27:52.800		DMS:	: *RUNDOWN	R403, TRACK 3, FWD, TIC *3233.90 +/- 1	2R3	4	0	6,255,942:00:0
1120	1	289	01:27:55.533		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3237.90 +/- 2	2R3	4	0	6,255,942:04:1
1121	1	289	01:27:56.800	175TF176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,255,942:06:0
1122	1	289	01:27:56.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3238.02 +/- 2	2R3	4	0	6,255,942:06:2
1123	1	289	01:27:56.933		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *3238.02 +/- 2	2R3	4	0	6,255,942:06:2
1124	1	289	01:28:06.233	32NNTHERML01-		-----STOP-------		2R3	4	0	: :
1125	1	289	01:28:22.800	428JK6A	6RCCLR			2R3	4	0	6,255,942:45:0
1126	1	289	01:28:23.466	428JK6B	6RCSET	12		2R3	4	0	6,255,942:46:0
1127	1	289	01:28:44.133	117DD	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	6,255,942:77:0
1128	1	289	01:28:44.800		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *3249.23 +/- 2	2R3	4	0	6,255,942:78:0
1129	1	289	01:28:44.800	175DD422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	6,255,942:78:0
1130	1	289	01:28:46.000		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *3249.29 +/- 2	2R3	4	0	6,255,942:79:8
1131	1	289	01:28:50.000		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 3250.79 +/- 2	2R3	4	0	6,255,942:85:8
1132	1	289	01:28:50.000		DMS:	: *RECORD	R28, TRACK 3, FWD, TIC *3250.79 +/- 2	2R3	4	0	6,255,942:85:8
1133	1	289	01:28:50.133	175DD176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	6,255,942:86:0
1134	1	289	01:28:52.133	165DD4B	7VECT		Inert vect update UTC	2R3	4	0	6,255,942:89:0
1135	1	289	01:28:52.133	32INTHERML01-	NIMPBK	301ED	IO THERMAL OBSERVATION	2R3	4	0	: :
1136	1	289	01:28:52.133	32INTHERML01-	NIMPBK	301DD	IO THERMAL OBSERVATION	2R3	4	0	: :
1137	1	289	01:28:53.466	117DD105A106A4A	7STRP	-0.00535,0.0,0,0	Slew =,0.03	2R3	4	0	6,255,943:00:0
1138	1	289	01:30:23.466	428JL6A	6RCCLR			2R3	4	0	6,255,944:44:0
1139	1	289	01:30:24.133	428JL6B	6RCSET	8		2R3	4	0	6,255,944:45:0
1140	1	289	01:31:54.133	32INTHERML01-	DESELC	300DD	IO THERMAL OBSERVATION	2R3	4	0	: :
1141	1	289	01:31:54.133	32INTHERML01-	DESELC	300ED	IO THERMAL OBSERVATION	2R3	4	0	: :
1142	1	289	01:31:55.466	117DD11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	6,255,946:00:0
1143	1	289	01:31:56.133	175TG422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	6,255,946:01:0
1144	1	289	01:31:56.133		DMS:	: *RUNDOWN	R28, TRACK 3, FWD, TIC *3414.39 +/- 2	2R3	4	0	6,255,946:01:0
1145	1	289	01:31:57.333		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3414.69 +/- 2	2R3	4	0	6,255,946:02:8
1146	1	289	01:31:57.466	165ID4A	7SCAN	NORM,19.518,51.4	Check S/P Position	2R3	4	0	6,255,946:03:0
1147	1	289	01:31:58.733		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3414.81 +/- 2	2R3	4	0	6,255,946:04:9
1148	1	289	01:31:58.733		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *3414.81 +/- 2	2R3	4	0	6,255,946:04:9
1149	1	289	01:31:58.800	175TG176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,255,946:05:0
1150	1	289	01:32:01.566	32INTHERML01-		-----STOP-------		2R3	4	0	: :
1151	1	289	01:32:26.800	428JM6A	6RCCLR			2R3	4	0	6,255,946:47:0
1152	1	289	01:32:27.466	428JM6B	6RCSET	12		2R3	4	0	6,255,946:48:0
1153	1	289	01:32:48.133	118ID	SMOS	GS		2R3	4	0	6,255,946:79:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	1	289	01:32:52.800	175ID422A6A	6DMSC	R403,3	DMS Control	2R3	4	0	6,255,946:86:0	
1155	1	289	01:32:52.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3427.48 +/- 2	2R3	4	0	6,255,946:86:0	
1156	1	289	01:32:54.000		DMS:	: *RUNUP	R403, TRACK 3, FWD, TIC *3427.54 +/- 2	2R3	4	0	6,255,946:87:8	
1157	1	289	01:32:54.800	165ID4B	7VECT		Inert vect update UTC	2R3	4	0	6,255,946:89:0	
1158	1	289	01:32:57.466	175ID176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,255,947:02:0	
1159	1	289	01:32:57.866		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 3450.54 +/- 2	2R3	4	0	6,255,947:02:6	
1160	1	289	01:32:57.866		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *3450.54 +/- 2	2R3	4	0	6,255,947:02:6	
1161	1	289	01:32:58.133	118ID110A111A4A	7STRP	-0.0068,-0.0043,	Slew =4,2.8	2R3	4	0	6,255,947:03:0	
1162	1	289	01:33:15.466	428JN6A	6RCCLR			2R3	4	0	6,255,947:29:0	
1163	1	289	01:33:16.133	428JN6B	6RCSET	11		2R3	4	0	6,255,947:30:0	
1164	1	289	01:33:24.133	118ID11A	**SMOS**	GE		2R3	4	0	6,255,947:42:0	
1165	1	289	01:33:26.133	165IE4A	7SCAN	NORM,38.387,26.5	Check S/P Position	2R3	4	0	6,255,947:45:0	
1166	1	289	01:33:30.800		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *3855.77 +/- 2	2R3	4	0	6,255,947:52:0	
1167	1	289	01:33:30.800	175TH422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	6,255,947:52:0	
1168	1	289	01:33:33.533		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3859.77 +/- 2	2R3	4	0	6,255,947:56:1	
1169	1	289	01:33:34.800	175TH176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,255,947:58:0	
1170	1	289	01:33:34.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3859.89 +/- 2	2R3	4	0	6,255,947:58:2	
1171	1	289	01:33:34.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3859.89 +/- 2	2R3	4	0	6,255,947:58:2	
1172	1	289	01:34:16.133	428JO6A	6RCCLR			2R3	4	0	6,255,948:29:0	
1173	1	289	01:34:16.800	428JO6B	6RCSET	14		2R3	4	0	6,255,948:30:0	
1174	1	289	01:34:49.466	118IE	**SMOS**	GS		2R3	4	0	6,255,948:79:0	
1175	1	289	01:34:52.800	175IE422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	6,255,948:84:0	
1176	1	289	01:34:52.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3878.14 +/- 2	2R3	4	0	6,255,948:84:0	
1177	1	289	01:34:54.000		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *3878.20 +/- 2	2R3	4	0	6,255,948:85:8	
1178	1	289	01:34:56.133	165IE4B	7VECT		Inert vect update UTC	2R3	4	0	6,255,948:89:0	
1179	1	289	01:34:58.800	175IE176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,255,949:02:0	
1180	1	289	01:34:59.266		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3944.20 +/- 2	2R3	4	0	6,255,949:02:7	
1181	1	289	01:34:59.266		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 3944.20 +/- 2	2R3	4	0	6,255,949:02:7	
1182	1	289	01:34:59.466	118IE110A111A4A	7STRP	0.00647,-0.00083	Slew =2,2.8	2R3	4	0	6,255,949:03:0	
1183	1	289	01:35:08.133	118IE11A	**SMOS**	GE		2R3	4	0	6,255,949:16:0	
1184	1	289	01:35:08.133	428JP6A	6RCCLR			2R3	4	0	6,255,949:16:0	
1185	1	289	01:35:08.800	428JP6B	6RCSET	11		2R3	4	0	6,255,949:17:0	
1186	1	289	01:35:14.133	165IF4A	7SCAN	NORM,52.384,34.7	Check S/P Position	2R3	4	0	6,255,949:25:0	
1187	1	289	01:35:14.800		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *4326.47 +/- 2	2R3	4	0	6,255,949:26:0	
1188	1	289	01:35:14.800	175TI422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	6,255,949:26:0	
1189	1	289	01:35:17.533		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4337.97 +/- 2	2R3	4	0	6,255,949:30:1	
1190	1	289	01:35:18.800	175TI176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,255,949:32:0	
1191	1	289	01:35:18.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4338.09 +/- 2	2R3	4	0	6,255,949:32:2	
1192	1	289	01:35:18.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4338.09 +/- 2	2R3	4	0	6,255,949:32:2	
1193	1	289	01:36:08.800	428JQ6A	6RCCLR			2R3	4	0	6,255,950:16:0	
1194	1	289	01:36:09.466	428JQ6B	6RCSET	14		2R3	4	0	6,255,950:17:0	
1195	1	289	01:36:50.800	118IF	**SMOS**	GS		2R3	4	0	6,255,950:79:0	
1196	1	289	01:36:54.133	175IF422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	6,255,950:84:0	
1197	1	289	01:36:54.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4360.40 +/- 2	2R3	4	0	6,255,950:84:0	
1198	1	289	01:36:55.333		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *4360.46 +/- 2	2R3	4	0	6,255,950:85:8	
1199	1	289	01:36:57.466	165IF4B	7VECT		Inert vect update UTC	2R3	4	0	6,255,950:89:0	
1200	1	289	01:37:00.133	175IF176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,255,951:02:0	
1201	1	289	01:37:00.600		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *4426.46 +/- 2	2R3	4	0	6,255,951:02:7	
1202	1	289	01:37:00.600		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 4426.46 +/- 3	2R3	4	0	6,255,951:02:7	
1203	1	289	01:37:00.800	118IF110A111A4A	7STRP	-0.00521,0.0053,	Slew =5,2.8	2R3	4	0	6,255,951:03:0	
1204	1	289	01:37:22.133	428JR6A	6RCCLR			2R3	4	0	6,255,951:35:0	
1205	1	289	01:37:22.800	428JR6B	6RCSET	11		2R3	4	0	6,255,951:36:0	
1206	1	289	01:37:35.466	118IF11A	**SMOS**	GE		2R3	4	0	6,255,951:55:0	
1207	1	289	01:37:42.133		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *5448.57 +/- 3	2R3	4	0	6,255,951:65:0	
1208	1	289	01:37:42.133	175TJ422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	6,255,951:65:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	1	289	01:37:44.866		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5460.07 +/- 3	2R3	4	0	6,255,951:69:1	
1210	1	289	01:37:46.133	175TJ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,255,951:71:0	
1211	1	289	01:37:46.266		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *5460.19 +/- 3	2R3	4	0	6,255,951:71:2	
1212	1	289	01:37:46.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5460.19 +/- 3	2R3	4	0	6,255,951:71:2	
1213	1	289	01:39:16.100	32NNEMAKNG01-		-----START------		2R3	4	0	: :	
1214	1	289	01:39:20.800	20DE5A	37PL		Program Load (halts microprocessor & unwri		4	0	6,255,953:31:0	
1215	1	289	01:39:24.133	20DE5B	37MRL		Memory Realocate (software operates from R		4	0	6,255,953:36:0	
1216	1	289	01:39:27.466	20DE6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	6,255,953:41:0	
1217	1	289	01:39:37.466	20DE6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	6,255,953:56:0	
1218	1	289	01:39:47.466	20DE5C	37IRT		Instrument Reset (goes into POR state)		4	0	6,255,953:71:0	
1219	1	289	01:39:50.800	20DE5D	37MN		Memory Normal (software operates from ROM)	260	4	0	6,255,953:76:0	
1220	1	289	01:39:51.466	428JS6A	6RCCLR			260	4	0	6,255,953:77:0	
1221	1	289	01:39:52.133	428JS6B	6RCSET	12		260	4	0	6,255,953:78:0	
1222	1	289	01:40:54.800	20DE4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,255,954:81:0	
1223	1	289	01:41:00.100	32INEMAKNG01-		-----START------		2R0	4	0	: :	
1224	1	289	01:41:00.800	165DE4A	7SCAN	NORM,38.447,34.7	Check S/P Position	2R0	4	0	6,255,954:90:0	
1225	1	289	01:41:46.133	20ID6B	6MCOPY	HLM1A,E700,B1A1A	HLM1A,E700,B1A1A,5D2F,5DC	2R0	4	0	6,255,955:67:0	
1226	1	289	01:41:52.800	117DE	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	6,255,955:77:0	
1227	1	289	01:41:53.466	175DE422A6A	6DMSC	R28,3	DMS Control	2R0	4	0	6,255,955:78:0	
1228	1	289	01:41:53.466		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *5518.13 +/- 3	2R0	4	0	6,255,955:78:0	
1229	1	289	01:41:54.666		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *5518.19 +/- 3	2R0	4	0	6,255,955:79:8	
1230	1	289	01:41:57.466	127DE	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	6,255,955:84:0	
1231	1	289	01:41:57.466	127DE4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	6,255,955:84:0	
1232	1	289	01:41:58.133	127DE4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	6,255,955:85:0	
1233	1	289	01:41:58.666		DMS:	: *RECORD	R28, TRACK 3, FWD, TIC *5519.69 +/- 3	2R3	4	0	6,255,955:85:8	
1234	1	289	01:41:58.666		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 5519.69 +/- 3	2R3	4	0	6,255,955:85:8	
1235	1	289	01:41:58.800	175DE176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	6,255,955:86:0	
1236	1	289	01:42:00.800	165DE4B	7VECT		Inert vect update UTC	2R3	4	0	6,255,955:89:0	
1237	1	289	01:42:00.800	32INEMAKNG01-	NIMPBK	301DE	IO EMAKNG OBSERVATION	2R3	4	0	: :	
1238	1	289	01:42:00.800	32INEMAKNG01-	NIMPBK	301EE	IO EMAKNG OBSERVATION	2R3	4	0	: :	
1239	1	289	01:42:02.133	117DE105A106A4A	7STRP	-0.018102,-0.002	Slew =,0.03	2R3	4	0	6,255,956:00:0	
1240	1	289	01:42:06.133	127DE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,255,956:06:0	
1241	1	289	01:42:16.233	32NNEMAKNG01-		-----STOP-------		2R3	4	0	: :	
1242	1	289	01:43:39.466	428JT6A	6RCCLR			2R3	4	0	6,255,957:55:0	
1243	1	289	01:43:40.133	428JT6B	6RCSET	8		2R3	4	0	6,255,957:56:0	
1244	1	289	01:44:34.133	488AJ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	6,255,958:46:0	
1245	1	289	01:49:10.800	32INEMAKNG01-	DESELC	300EE	IO EMAKNG OBSERVATION	2R3	4	0	: :	
1246	1	289	01:49:10.800	32INEMAKNG01-	DESELC	300DE	IO EMAKNG OBSERVATION	2R3	4	0	: :	
1247	1	289	01:49:12.800	175TK422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	6,255,963:09:0	
1248	1	289	01:49:12.800		DMS:	: *RUNDOWN	R28, TRACK 3, FWD, TIC *5901.25 +/- 3	2R3	4	0	6,255,963:09:0	
1249	1	289	01:49:14.000		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5901.55 +/- 3	2R3	4	0	6,255,963:10:8	
1250	1	289	01:49:15.400		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *5901.67 +/- 3	2R3	4	0	6,255,963:12:9	
1251	1	289	01:49:15.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5901.67 +/- 3	2R3	4	0	6,255,963:12:9	
1252	1	289	01:49:15.466	175TK176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,255,963:13:0	
1253	1	289	01:52:08.133	117DE11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	6,255,965:90:0	
1254	1	289	01:52:08.233	32INEMAKNG01-		-----STOP-------		2R3	4	0	: :	
1255	1	289	01:53:11.466		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *5957.00 +/- 3	2R3	4	0	6,255,967:03:0	
1256	1	289	01:53:11.466	175TK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,255,967:03:0	
1257	1	289	01:53:11.466	432OB431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	6,255,967:03:0	
1258	1	289	01:53:12.133	432OB6A	6RTSL1		R/T Select of DDS and	2R3	4	0	6,255,967:04:0	
1259	1	289	01:53:12.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5957.06 +/- 3	2R3	4	0	6,255,967:04:8	
1260	1	289	01:53:13.466	428JU6A	6RCCLR			2R3	4	0	6,255,967:06:0	
1261	1	289	01:53:15.466	282ND431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	6,255,967:09:0	
1262	1	289	01:54:04.133	282ND432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	6,255,967:82:0	
1263	1	289	01:54:04.800	282ND432A6A	6RTSL1		R/T Select of DDS and	2R3	4	0	6,255,967:83:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	1	289	01:54:10.133	465KD6A	6DMSC	RDY,4	DMS Control Tape stop	2R3	4	0	6,255,968:00:0	
1265	1	289	01:54:10.133		DMS:	: READY	RDY, TRACK *4, *REV, TIC 5957.06 +/- 3	2R3	4	0	6,255,968:00:0	
1266	1	289	01:55:17.466	165IG4A	7SCAN	NORM,46.52,26.43	Check S/P Position	2R3	4	0	6,255,969:10:0	
1267	**1**	**289**	**01:55:26.790**	**32NNITUPAN01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1268	**1**	**289**	**01:55:31.466**	**20DF5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,255,969:31:0**	
1269	**1**	**289**	**01:55:34.800**	**20DF5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,255,969:36:0**	
1270	**1**	**289**	**01:55:38.133**	**20DF6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,255,969:41:0**	
1271	**1**	**289**	**01:55:48.133**	**20DF6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,255,969:56:0**	
1272	**1**	**289**	**01:55:58.133**	**20DF5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,255,969:71:0**	
1273	1	289	01:56:00.133	175IG422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb		4	0	6,255,969:74:0	
1274	1	289	01:56:00.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5957.06 +/- 3		4	0	6,255,969:74:0	
1275	**1**	**289**	**01:56:01.466**	**20DF5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,255,969:76:0**	
1276	1	289	01:56:01.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5957.18 +/- 3	260	4	0	6,255,969:76:1	
1277	1	289	01:56:06.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5958.41 +/- 3	260	4	0	6,255,969:84:0	
1278	1	289	01:56:08.000		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *5958.47 +/- 3	260	4	0	6,255,969:85:8	
1279	1	289	01:56:10.133	165IG4B	7VECT		Inert vect update UTC	260	4	0	6,255,969:89:0	
1280	1	289	01:56:12.800	175IG176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	260	4	0	6,255,970:02:0	
1281	1	289	01:56:13.266		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 5892.47 +/- 3	260	4	0	6,255,970:02:7	
1282	1	289	01:56:13.266		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *5892.47 +/- 3	260	4	0	6,255,970:02:7	
1283	1	289	01:56:37.466		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *5296.93 +/- 3	260	4	0	6,255,970:39:0	
1284	1	289	01:56:37.466	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	260	4	0	6,255,970:39:0	
1285	1	289	01:56:40.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5285.43 +/- 3	260	4	0	6,255,970:43:1	
1286	**1**	**289**	**01:57:05.466**	**20DF4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,255,970:81:0**	
1287	**1**	**289**	**01:57:10.790**	**32INITUPAN01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
1288	1	289	01:57:11.466	165DF4A	**7SCAN**	**NORM,47.199,26.2**	**Check S/P Position**	2R0	4	0	6,255,970:90:0	
1289	1	289	01:57:58.133	175DF422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R0	4	0	6,255,971:69:0	
1290	1	289	01:57:58.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5285.43 +/- 3	2R0	4	0	6,255,971:69:0	
1291	1	289	01:57:59.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5285.55 +/- 3	2R0	4	0	6,255,971:71:1	
1292	1	289	01:58:03.466	117DF	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	6,255,971:77:0	
1293	1	289	01:58:04.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5286.78 +/- 3	2R0	4	0	6,255,971:79:0	
1294	1	289	01:58:06.000		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *5286.84 +/- 3	2R0	4	0	6,255,971:80:8	
1295	1	289	01:58:08.133	127DF	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	6,255,971:84:0	
1296	**1**	**289**	**01:58:08.133**	**127DF4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**6,255,971:84:0**	
1297	**1**	**289**	**01:58:08.800**	**127DF4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**6,255,971:85:0**	
1298	1	289	01:58:09.466	175DF176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	6,255,971:86:0	
1299	1	289	01:58:10.000		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 5285.34 +/- 3	2R3	4	0	6,255,971:86:8	
1300	1	289	01:58:10.000		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *5285.34 +/- 3	2R3	4	0	6,255,971:86:8	
1301	**1**	**289**	**01:58:11.466**	**32INITUPAN01-**	**NIMPBK**	**301DF**	**IO TUPAN OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1302	1	289	01:58:11.466	165DF4B	7VECT		Inert vect update UTC	2R3	4	0	6,255,971:89:0	
1303	**1**	**289**	**01:58:11.466**	**32INITUPAN01-**	**NIMPBK**	**301EF**	**IO TUPAN OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1304	1	289	01:58:12.800	117DF105A106A4A	**7STRP**	**-0.016301,-0.001**	**Slew =,0.03**	2R3	4	0	6,255,972:00:0	
1305	1	289	01:58:16.800	127DF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,255,972:06:0	
1306	**1**	**289**	**01:58:26.900**	**32NNITUPAN01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1307	**1**	**289**	**02:07:16.133**	**32INITUPAN01-**	**DESELC**	**300EF**	**IO TUPAN OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1308	**1**	**289**	**02:07:16.133**	**32INITUPAN01-**	**DESELC**	**300DF**	**IO TUPAN OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1309	1	289	02:07:18.800	117DF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	6,255,981:00:0	
1310	1	289	02:07:20.133	175DF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,255,981:02:0	
1311	1	289	02:07:20.133		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *4801.83 +/- 3	2R3	4	0	6,255,981:02:0	
1312	1	289	02:07:21.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4801.53 +/- 3	2R3	4	0	6,255,981:03:8	
1313	1	289	02:07:22.133	165IL4A	7SCAN	NORM,42.948,29.8	Check S/P Position	2R3	4	0	6,255,981:05:0	
1314	**1**	**289**	**02:07:25.566**	**32INITUPAN01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1315	**1**	**289**	**02:07:34.790**	**32NNICHAAC01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1316	**1**	**289**	**02:07:39.466**	**20DG5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,255,981:31:0**	
1317	**1**	**289**	**02:07:42.800**	**20DG5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,255,981:36:0**	
1318	**1**	**289**	**02:07:46.133**	**20DG6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,255,981:41:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1319	1	289	02:07:56.133	20DG6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	6,255,981:56:0
1320	1	289	02:08:06.133	20DG5C	37IRT		Instrument Reset (goes into POR state)		4	0	6,255,981:71:0
1321	1	289	02:08:09.466	20DG5D	37MN		Memory Normal (software operates from ROM)	260	4	0	6,255,981:76:0
1322	1	289	02:08:23.466	118IL	SMOS	GS		260	4	0	6,255,982:06:0
1323	1	289	02:08:25.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4801.53 +/- 3	260	4	0	6,255,982:09:0
1324	1	289	02:08:25.466	175IL422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	260	4	0	6,255,982:09:0
1325	1	289	02:08:26.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4801.65 +/- 3	260	4	0	6,255,982:11:1
1326	1	289	02:08:32.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4802.88 +/- 3	260	4	0	6,255,982:19:0
1327	1	289	02:08:33.333		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *4802.94 +/- 3	260	4	0	6,255,982:20:8
1328	1	289	02:08:35.466	165IL4B	7VECT		Inert vect update UTC	260	4	0	6,255,982:24:0
1329	1	289	02:08:38.133	175IL176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	260	4	0	6,255,982:28:0
1330	1	289	02:08:38.600		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 4736.94 +/- 4	260	4	0	6,255,982:28:7
1331	1	289	02:08:38.600		DMS:	: *RECORD	R806, TRACK 4, REV, TIC *4736.94 +/- 3	260	4	0	6,255,982:28:7
1332	1	289	02:08:38.800	118IL110A111A4A	7STRP	0.0065,0.00163,2	Slew =2,3.3	260	4	0	6,255,982:29:0
1333	1	289	02:08:47.466	118IL11A	SMOS	GE		260	4	0	6,255,982:42:0
1334	1	289	02:08:54.133		DMS:	: *RUNDOWN	R806, TRACK 4, REV, TIC *4354.67 +/- 4	260	4	0	6,255,982:52:0
1335	1	289	02:08:54.133	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	260	4	0	6,255,982:52:0
1336	1	289	02:08:56.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4343.17 +/- 4	260	4	0	6,255,982:56:1
1337	1	289	02:09:13.466	20DG4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,255,982:81:0
1338	1	289	02:09:32.100	32INICHAAC01-		-----START------		2R0	4	0	: :
1339	1	289	02:09:32.800	165DG4A	7SCAN	NORM,45.543,26.9	Check S/P Position	2R0	4	0	6,255,983:19:0
1340	1	289	02:10:06.133	175DG422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R0	4	0	6,255,983:69:0
1341	1	289	02:10:06.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4343.17 +/- 4	2R0	4	0	6,255,983:69:0
1342	1	289	02:10:07.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4343.29 +/- 4	2R0	4	0	6,255,983:71:1
1343	1	289	02:10:11.466	117DG	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	6,255,983:77:0
1344	1	289	02:10:12.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4344.53 +/- 4	2R0	4	0	6,255,983:79:0
1345	1	289	02:10:14.000		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *4344.59 +/- 4	2R0	4	0	6,255,983:80:8
1346	1	289	02:10:16.133	127DG	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	6,255,983:84:0
1347	1	289	02:10:16.133	127DG4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	6,255,983:84:0
1348	1	289	02:10:16.800	127DG4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	6,255,983:85:0
1349	1	289	02:10:17.466	175DG176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	6,255,983:86:0
1350	1	289	02:10:18.000		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 4343.09 +/- 4	2R3	4	0	6,255,983:86:8
1351	1	289	02:10:18.000		DMS:	: *RECORD	R28, TRACK 4, REV, TIC *4343.09 +/- 4	2R3	4	0	6,255,983:86:8
1352	1	289	02:10:19.466	32INICHAAC01-	NIMPBK	301DG	IO CHAAC OBSERVATION	2R3	4	0	: :
1353	1	289	02:10:19.466	32INICHAAC01-	NIMPBK	301EG	IO CHAAC OBSERVATION	2R3	4	0	: :
1354	1	289	02:10:19.466	165DG4B	7VECT		Inert vect update UTC	2R3	4	0	6,255,983:89:0
1355	1	289	02:10:20.800	117DG105A106A4A	7STRP	0.032411,0.003,0	Slew =,0.06	2R3	4	0	6,255,984:00:0
1356	1	289	02:10:24.800	127DG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,255,984:06:0
1357	1	289	02:10:34.900	32NNICHAAC01-		-----STOP-------		2R3	4	0	: :
1358	1	289	02:19:26.133	117DG11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	6,255,992:90:0
1359	1	289	02:19:33.466	32INICHAAC01-	DESELC	300EG	IO CHAAC OBSERVATION	2R3	4	0	: :
1360	1	289	02:19:33.466	165IH4A	7SCAN	NORM,42.24,24.66	Check S/P Position	2R3	4	0	6,255,993:10:0
1361	1	289	02:19:33.466	32INICHAAC01-	DESELC	300DG	IO CHAAC OBSERVATION	2R3	4	0	: :
1362	1	289	02:19:34.133	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,255,993:11:0
1363	1	289	02:19:34.133		DMS:	: *RUNDOWN	R28, TRACK 4, REV, TIC *3854.30 +/- 4	2R3	4	0	6,255,993:11:0
1364	1	289	02:19:35.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3854.00 +/- 4	2R3	4	0	6,255,993:12:8
1365	1	289	02:19:39.566	32INICHAAC01-		-----STOP-------		2R3	4	0	: :
1366	1	289	02:21:18.133	175IH422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	6,255,994:76:0
1367	1	289	02:21:18.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3854.00 +/- 4	2R3	4	0	6,255,994:76:0
1368	1	289	02:21:19.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3854.12 +/- 4	2R3	4	0	6,255,994:78:1
1369	1	289	02:21:20.133	118IH	SMOS	GS		2R3	4	0	6,255,994:79:0
1370	1	289	02:21:24.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3855.35 +/- 4	2R3	4	0	6,255,994:86:0
1371	1	289	02:21:26.000		DMS:	: *RUNUP	R403, TRACK *4, *REV, TIC *3855.41 +/- 4	2R3	4	0	6,255,994:87:8
1372	1	289	02:21:26.800	165IH4B	7VECT		Inert vect update UTC	2R3	4	0	6,255,994:89:0
1373	1	289	02:21:29.466	175IH176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,255,995:02:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1374	1	289	02:21:29.866		DMS:	: *AT_SPD	R403, TRACK 4, REV, TIC 3832.41 +/- 4	2R3	4	0	6,255,995:02:6
1375	1	289	02:21:29.866		DMS:	: *RECORD	R403, TRACK 4, REV, TIC *3832.41 +/- 4	2R3	4	0	6,255,995:02:6
1376	1	289	02:21:30.133	118IH110A111A4A	7STRP	0.0073,0.0015,26	Slew =3,2.8	2R3	4	0	6,255,995:03:0
1377	1	289	02:21:44.100	32NNHTSPOT01-		-----START------		2R3	4	0	: :
1378	1	289	02:21:47.466	118IH11A	SMOS	GE		2R3	4	0	6,255,995:29:0
1379	1	289	02:21:48.800	20DH5A	37PL		Program Load (halts microprocessor & unwri		4	0	6,255,995:31:0
1380	1	289	02:21:50.133		DMS:	: *RUNDOWN	R403, TRACK 4, REV, TIC *3583.04 +/- 4		4	0	6,255,995:33:0
1381	1	289	02:21:50.133	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop		4	0	6,255,995:33:0
1382	1	289	02:21:52.133	20DH5B	37MRL		Memory Realocate (software operates from R		4	0	6,255,995:36:0
1383	1	289	02:21:52.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3579.04 +/- 4		4	0	6,255,995:37:1
1384	1	289	02:21:55.466	20DH6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	6,255,995:41:0
1385	1	289	02:22:05.466	20DH6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	6,255,995:56:0
1386	1	289	02:22:15.466	20DH5C	37IRT		Instrument Reset (goes into POR state)		4	0	6,255,995:71:0
1387	1	289	02:22:18.800	20DH5D	37MN		Memory Normal (software operates from ROM)	260	4	0	6,255,995:76:0
1388	1	289	02:23:22.800	20DH4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,255,996:81:0
1389	1	289	02:23:28.100	32INHTSPOT01-		-----START------		2R0	4	0	: :
1390	1	289	02:23:28.800	165DH4A	7SCAN	NORM,44.529,26.7	Check S/P Position	2R0	4	0	6,255,996:90:0
1391	1	289	02:24:14.133	20IE6B	6MCOPY	HLM1A,E700,B1A1A	HLM1A,E700,B1A1A,5D2F,5DC	2R0	4	0	6,255,997:67:0
1392	1	289	02:24:15.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3579.04 +/- 4	2R0	4	0	6,255,997:69:0
1393	1	289	02:24:15.466	175DH422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R0	4	0	6,255,997:69:0
1394	1	289	02:24:16.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3579.16 +/- 4	2R0	4	0	6,255,997:71:1
1395	1	289	02:24:20.800	117DH	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	6,255,997:77:0
1396	1	289	02:24:22.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3580.39 +/- 4	2R0	4	0	6,255,997:79:0
1397	1	289	02:24:23.333		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *3580.45 +/- 4	2R0	4	0	6,255,997:80:8
1398	1	289	02:24:25.466	127DH	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	6,255,997:84:0
1399	1	289	02:24:25.466	127DH4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	6,255,997:84:0
1400	1	289	02:24:26.133	127DH4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	6,255,997:85:0
1401	1	289	02:24:26.800	175DH176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	6,255,997:86:0
1402	1	289	02:24:27.333		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 3578.95 +/- 4	2R3	4	0	6,255,997:86:8
1403	1	289	02:24:27.333		DMS:	: *RECORD	R28, TRACK 4, REV, TIC *3578.95 +/- 4	2R3	4	0	6,255,997:86:8
1404	1	289	02:24:28.800	165DH4B	7VECT		Inert vect update UTC	2R3	4	0	6,255,997:89:0
1405	1	289	02:24:28.800	32INHTSPOT01-	NIMPBK	301EH	IO HOT SPOT OBSERVATION	2R3	4	0	: :
1406	1	289	02:24:28.800	32INHTSPOT01-	NIMPBK	301DH	IO HOT SPOT OBSERVATION	2R3	4	0	: :
1407	1	289	02:24:30.133	117DH105A106A4A	7STRP	0.0105,0.0013,0,	Slew =,0.03	2R3	4	0	6,255,998:00:0
1408	1	289	02:24:34.133	127DH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,255,998:06:0
1409	1	289	02:24:44.233	32NNHTSPOT01-		-----STOP-------		2R3	4	0	: :
1410	1	289	02:30:24.800	117DH105A106A4B	7STRP	-0.01,-0.007,0,0	Slew =12.01	2R3	4	0	6,256,003:77:0
1411	1	289	02:30:40.133	117DH105A106A4C	7STRP	0.0105,0.0013,0,	Slew =,0.03	2R3	4	0	6,256,004:09:0
1412	1	289	02:36:34.800	117DH11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	6,256,009:86:0
1413	1	289	02:36:38.800	32INHTSPOT01-	DESELC	300DH	IO HOT SPOT OBSERVATION	2R3	4	0	: :
1414	1	289	02:36:38.800	32INHTSPOT01-	DESELC	300EH	IO HOT SPOT OBSERVATION	2R3	4	0	: :
1415	1	289	02:36:39.466		DMS:	: *RUNDOWN	R28, TRACK 4, REV, TIC *2935.48 +/- 4	2R3	4	0	6,256,010:02:0
1416	1	289	02:36:39.466	175DH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,256,010:02:0
1417	1	289	02:36:40.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2935.18 +/- 4	2R3	4	0	6,256,010:03:8
1418	1	289	02:36:44.800	165IJ4A	7SCAN	NORM,47.802,21.6	Check S/P Position	2R3	4	0	6,256,010:10:0
1419	1	289	02:36:44.900	32INHTSPOT01-		-----STOP-------		2R3	4	0	: :
1420	1	289	02:38:28.133	175IJ422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	6,256,011:74:0
1421	1	289	02:38:28.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2935.18 +/- 4	2R3	4	0	6,256,011:74:0
1422	1	289	02:38:29.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2935.30 +/- 4	2R3	4	0	6,256,011:76:1
1423	1	289	02:38:31.466	118IJ	SMOS	GS		2R3	4	0	6,256,011:79:0
1424	1	289	02:38:34.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2936.53 +/- 4	2R3	4	0	6,256,011:84:0
1425	1	289	02:38:36.000		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *2936.59 +/- 4	2R3	4	0	6,256,011:85:8
1426	1	289	02:38:38.133	165IJ4B	7VECT		Inert vect update UTC	2R3	4	0	6,256,011:89:0
1427	1	289	02:38:40.800	175IJ176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,256,012:02:0
1428	1	289	02:38:41.266		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 2870.59 +/- 5	2R3	4	0	6,256,012:02:7

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1429	1	289	02:38:41.266		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *2870.59 +/- 4	2R3	4	0	6,256,012:02:7
1430	1	289	02:38:41.466	118IJ110A111A4A	7STRP	0.00172,0.00731,	Slew =6,2.8	2R3	4	0	6,256,012:03:0
1431	1	289	02:39:24.800	118IJ11A	**SMOS**	GE		2R3	4	0	6,256,012:68:0
1432	1	289	02:39:31.466		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *1635.20 +/- 5	2R3	4	0	6,256,012:78:0
1433	1	289	02:39:31.466	175IJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,256,012:78:0
1434	1	289	02:39:34.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1623.70 +/- 5	2R3	4	0	6,256,012:82:1
1435	1	289	02:39:38.133	165IK4A	7SCAN	NORM,47.604,24.6	Check S/P Position	2R3	4	0	6,256,012:88:0
1436	1	289	02:40:38.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1623.70 +/- 5	2R3	4	0	6,256,013:87:0
1437	1	289	02:40:38.133	175IK422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	6,256,013:87:0
1438	1	289	02:40:39.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1623.82 +/- 5	2R3	4	0	6,256,013:89:1
1439	1	289	02:40:41.466	118IK	**SMOS**	GS		2R3	4	0	6,256,014:01:0
1440	1	289	02:40:44.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1625.06 +/- 5	2R3	4	0	6,256,014:06:0
1441	1	289	02:40:46.000		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *1625.12 +/- 5	2R3	4	0	6,256,014:07:8
1442	1	289	02:40:48.133	165IK4B	7VECT		Inert vect update UTC	2R3	4	0	6,256,014:11:0
1443	1	289	02:40:50.800	175IK176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,256,014:15:0
1444	1	289	02:40:51.266		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 1559.12 +/- 5	2R3	4	0	6,256,014:15:7
1445	1	289	02:40:51.266		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *1559.12 +/- 5	2R3	4	0	6,256,014:15:7
1446	1	289	02:40:51.466	118IK110A111A4A	7STRP	-0.0059,0.0052,2	Slew =4,2.8	2R3	4	0	6,256,014:16:0
1447	1	289	02:41:17.466	118IK11A	**SMOS**	GE		2R3	4	0	6,256,014:55:0
1448	1	289	02:41:18.133	116IK4A	7STRP	-0.0073,-0.0004,	Slew =,3.71	2R3	4	0	6,256,014:56:0
1449	1	289	02:41:26.800	116JK4A	7STRP	-0.0073,-0.0004,	Slew =,3.71	2R3	4	0	6,256,014:69:0
1450	1	289	02:41:41.466		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC * 323.73 +/- 5	2R3	4	0	6,256,015:00:0
1451	1	289	02:41:41.466	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,256,015:00:0
1452	1	289	02:41:44.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 312.23 +/- 5	2R3	4	0	6,256,015:04:1
1453	1	289	02:45:43.466	165GN4A	7SCAN	NORM,49.003,23.6	Check S/P Position	2R3	4	0	6,256,018:90:0
1454	1	289	02:45:44.133	176GN6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	6,256,019:00:0
1455	1	289	02:46:35.466	117GN	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	6,256,019:77:0
1456	1	289	02:46:44.800	117GN105A106A4A	7STRP	-0.09882,-0.0160	Slew =,0.15	2R3	4	0	6,256,020:00:0
1457	1	289	02:57:49.466	117GN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	6,256,030:87:0
1458	1	289	02:58:18.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,256,031:40:0
1459	1	289	02:58:18.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 312.23 +/- 5	2R3	4	0	6,256,031:40:0
1460	1	289	02:58:20.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 312.35 +/- 5	2R3	4	0	6,256,031:42:1
1461	1	289	02:58:22.133	176GN6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	6,256,031:45:0
1462	1	289	02:58:25.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 313.58 +/- 5	2R3	4	0	6,256,031:50:0
1463	1	289	02:58:26.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 313.64 +/- 5	2R3	4	0	6,256,031:51:8
1464	1	289	02:58:28.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 313.52 +/- 5	2R3	4	0	6,256,031:53:9
1465	1	289	02:58:44.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 309.75 +/- 5	2R3	4	0	6,256,031:78:0
1466	1	289	02:59:06.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,256,032:20:0
1467	1	289	02:59:06.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 304.60 +/- 5	2R3	4	0	6,256,032:20:0
1468	1	289	02:59:07.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 304.54 +/- 5	2R3	4	0	6,256,032:21:8
1469	1	289	03:00:53.466	165GO4A	7SCAN	NORM,46.323,22.5	Check S/P Position	2R3	4	0	6,256,033:90:0
1470	1	289	03:00:54.133	176GO6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	6,256,034:00:0
1471	1	289	03:01:45.466	117GO	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	6,256,034:77:0
1472	1	289	03:01:54.800	117GO105A106A4A	7STRP	-0.0055,-0.0007,	Slew =,0.32	2R3	4	0	6,256,035:00:0
1473	1	289	03:02:16.133	117GO105A106A4B	7STRP	0.0054,-0.0007,0	Slew =12.01	2R3	4	0	6,256,035:32:0
1474	1	289	03:02:27.466	117GO105A106A4C	7STRP	-0.0055,-0.0007,	Slew =,0.32	2R3	4	0	6,256,035:49:0
1475	1	289	03:02:48.800	117GO105A106A4D	7STRP	0.0054,-0.0007,0	Slew =12.01	2R3	4	0	6,256,035:81:0
1476	1	289	03:03:00.133	117GO105A106A4E	7STRP	-0.0055,-0.0007,	Slew =,0.32	2R3	4	0	6,256,036:07:0
1477	1	289	03:03:21.466	117GO105A106A4F	7STRP	0.0054,-0.0007,0	Slew =12.01	2R3	4	0	6,256,036:39:0
1478	1	289	03:03:32.800	117GO105A106A4G	7STRP	-0.0055,-0.0007,	Slew =,0.32	2R3	4	0	6,256,036:56:0
1479	1	289	03:03:54.133	117GO105A106A4H	7STRP	0.0054,-0.0007,0	Slew =12.01	2R3	4	0	6,256,036:88:0
1480	**1**	**289**	**03:04:00.100**	**32NNREGION01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1481	**1**	**289**	**03:04:03.466**	**20DI5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,256,037:11:0**
1482	1	289	03:04:05.466	117GO105A106A4I	7STRP	-0.0055,-0.0007,	Slew =,0.32		4	0	6,256,037:14:0
1483	**1**	**289**	**03:04:13.466**	**20DI5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,256,037:26:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	1	289	03:04:23.466	20DI6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	6,256,037:41:0	
1485	1	289	03:04:26.800	117GO105A106A4J	7STRP	0.0054,-0.0007,0	Slew =12.01		4	0	6,256,037:46:0	
1486	1	289	03:04:33.466	20DI6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	6,256,037:56:0	
1487	1	289	03:04:38.133	117GO105A106A4K	7STRP	-0.0055,-0.0007,	Slew =,0.32		4	0	6,256,037:63:0	
1488	1	289	03:04:43.466	20DI5C	37IRT		Instrument Reset (goes into POR state)		4	0	6,256,037:71:0	
1489	1	289	03:04:46.800	20DI5D	37MN		Memory Normal (software operates from ROM)	260	4	0	6,256,037:76:0	
1490	1	289	03:04:59.466	117GO105A106A4L	7STRP	0.0054,-0.0007,0	Slew =12.01	260	4	0	6,256,038:04:0	
1491	1	289	03:05:10.800	117GO105A106A4M	7STRP	-0.0055,-0.0007,	Slew =,0.32	260	4	0	6,256,038:21:0	
1492	1	289	03:05:32.133	117GO105A106A4N	7STRP	0.0054,-0.0007,0	Slew =12.01	260	4	0	6,256,038:53:0	
1493	1	289	03:05:43.466	117GO105A106A4O	7STRP	-0.0055,-0.0007,	Slew =,0.32	260	4	0	6,256,038:70:0	
1494	1	289	03:05:50.800	20DI4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,256,038:81:0	
1495	1	289	03:06:04.800	117GO105A106A4P	7STRP	0.0054,-0.0007,0	Slew =12.01	2R0	4	0	6,256,039:11:0	
1496	1	289	03:06:16.133	117GO105A106A4Q	7STRP	-0.0055,-0.0007,	Slew =,0.32	2R0	4	0	6,256,039:28:0	
1497	1	289	03:06:37.466	117GO105A106A4R	7STRP	0.0054,-0.0007,0	Slew =12.01	2R0	4	0	6,256,039:60:0	
1498	1	289	03:06:48.800	117GO105A106A4S	7STRP	-0.0055,-0.0007,	Slew =,0.32	2R0	4	0	6,256,039:77:0	
1499	1	289	03:06:53.400	32INREGION01-		-----START------		2R0	4	0	: :	
1500	1	289	03:06:53.466	127DI4A	37IOP	1,0	Full Map, Grating Start Position =00	2R1	4	0	6,256,039:84:0	
1501	1	289	03:06:53.466	127DI	NIMSTAB	GS	%%%%% GROUP START TAB	2R1	4	0	6,256,039:84:0	
1502	1	289	03:06:54.133	127DI4B	37ETB		Loads wavelength edit table	2R1	4	0	6,256,039:85:0	
1503	1	289	03:07:00.233	32NNREGION01-		-----STOP-------		2R1	4	0	: :	
1504	1	289	03:07:02.133	127DI11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R1	4	0	6,256,040:06:0	
1505	1	289	03:07:10.133	117GO105A106A4T	7STRP	0.0054,-0.0007,0	Slew =12.01	2R1	4	0	6,256,040:18:0	
1506	1	289	03:07:21.466	117GO105A106A4U	7STRP	-0.0055,-0.0007,	Slew =,0.32	2R1	4	0	6,256,040:35:0	
1507	1	289	03:07:42.800	117GO105A106A4V	7STRP	0.0054,-0.0007,0	Slew =12.01	2R1	4	0	6,256,040:67:0	
1508	1	289	03:07:54.133	117GO105A106A4W	7STRP	-0.0055,-0.0007,	Slew =,0.32	2R1	4	0	6,256,040:84:0	
1509	1	289	03:08:15.466	117GO105A106A4X	7STRP	0.0054,-0.0007,0	Slew =12.01	2R1	4	0	6,256,041:25:0	
1510	1	289	03:08:26.800	117GO105A106A4Y	7STRP	-0.0055,-0.0007,	Slew =,0.32	2R1	4	0	6,256,041:42:0	
1511	1	289	03:08:48.133	117GO105A106A4Z	7STRP	0.0054,-0.0007,0	Slew =12.01	2R1	4	0	6,256,041:74:0	
1512	1	289	03:08:59.466	117GO105A106A4AA	7STRP	-0.0055,-0.0007,	Slew =,0.32	2R1	4	0	6,256,042:00:0	
1513	1	289	03:09:20.800	117GO105A106A4AB	7STRP	0.0054,-0.0007,0	Slew =12.01	2R1	4	0	6,256,042:32:0	
1514	1	289	03:09:32.133	117GO105A106A4AC	7STRP	-0.0055,-0.0007,	Slew =,0.32	2R1	4	0	6,256,042:49:0	
1515	1	289	03:09:53.466	117GO11A	CSMOS	GE	***** GROUP END CSMOS	2R1	4	0	6,256,042:81:0	
1516	1	289	03:10:30.133	176GO6B	6TMREC	NRC	NO RECORD Record Mode Change	2R1	4	0	6,256,043:45:0	
1517	1	289	03:10:32.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 304.54 +/- 5	2R1	4	0	6,256,043:48:0	
1518	1	289	03:10:32.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R1	4	0	6,256,043:48:0	
1519	1	289	03:10:33.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 304.66 +/- 5	2R1	4	0	6,256,043:50:1	
1520	1	289	03:10:38.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 305.89 +/- 5	2R1	4	0	6,256,043:58:0	
1521	1	289	03:10:40.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 305.95 +/- 5	2R1	4	0	6,256,043:59:8	
1522	1	289	03:10:41.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 305.83 +/- 5	2R1	4	0	6,256,043:61:9	
1523	1	289	03:10:42.133		DMS:	: *RECORD	R7, TRACK 4, REV, TIC * 305.66 +/- 5	2R1	4	0	6,256,043:63:0	
1524	1	289	03:10:58.133		DMS:	: *RUNDOWN	R7, TRACK 4, REV, TIC * 301.91 +/- 5	2R1	4	0	6,256,043:87:0	
1525	1	289	03:10:58.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R1	4	0	6,256,043:87:0	
1526	1	289	03:10:59.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 301.85 +/- 5	2R1	4	0	6,256,043:88:8	
1527	1	289	03:11:44.133	465KE6A	6DMSC	RDY,1	DMS Control Tape stop	2R1	4	0	6,256,044:65:0	
1528	1	289	03:11:44.133		DMS:	: READY	RDY, TRACK *1, *FWD, TIC 301.85 +/- 5	2R1	4	0	6,256,044:65:0	
1529	1	289	03:12:00.800	165DI4A	7SCAN	NORM,47.373,20.4	Check S/P Position	2R1	4	0	6,256,044:90:0	
1530	1	289	03:12:52.800	117DI	CSMOS	GS	***** GROUP START CSMOS	2R1	4	0	6,256,045:77:0	
1531	1	289	03:12:54.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 301.85 +/- 5	2R1	4	0	6,256,045:79:0	
1532	1	289	03:12:54.133	175DI422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R1	4	0	6,256,045:79:0	
1533	1	289	03:13:00.800	165DI4B	7VECT		Inert vect update UTC	2R1	4	0	6,256,045:89:0	
1534	1	289	03:13:00.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 301.85 +/- 5	2R1	4	0	6,256,045:89:0	
1535	1	289	03:13:02.133	175DI176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R1	4	0	6,256,046:00:0	
1536	1	289	03:13:02.133	117DI105A106A4A	7STRP	-0.032361,0.001,	Slew =,0.06	2R1	4	0	6,256,046:00:0	
1537	1	289	03:13:02.200		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC * 301.97 +/- 5	2R1	4	0	6,256,046:00:1	
1538	1	289	03:13:02.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 301.97 +/- 5	2R1	4	0	6,256,046:00:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	**1**	**289**	**03:13:11.466**	**32INREGION01-**	**NIMPBK**	**301DI**	**IO REGIONAL OBSERVATION**	**2R1**	**4**	**0**	**: :**	
1540	**1**	**289**	**03:13:11.466**	**32INREGION01-**	**NIMPBK**	**301EI**	**IO REGIONAL OBSERVATION**	**2R1**	**4**	**0**	**: :**	
1541	1	289	03:22:04.800	117DI105A106A4B	**7STRP**	**0.032612,0.0076,**	**Slew =12.01**	2R1	4	0	6,256,054:86:0	
1542	1	289	03:22:18.133	117DI105A106A4C	**7STRP**	**-0.032361,0.001,**	**Slew =,0.06**	2R1	4	0	6,256,055:15:0	
1543	1	289	03:31:20.800	117DI105A106A4D	**7STRP**	**0.032612,0.0076,**	**Slew =12.01**	2R1	4	0	6,256,064:10:0	
1544	1	289	03:31:34.133	117DI105A106A4E	**7STRP**	**-0.032361,0.001,**	**Slew =,0.06**	2R1	4	0	6,256,064:30:0	
1545	1	289	03:40:36.800	117DI105A106A4F	**7STRP**	**0.032612,0.0076,**	**Slew =12.01**	2R1	4	0	6,256,073:25:0	
1546	1	289	03:40:50.133	117DI105A106A4G	**7STRP**	**-0.032361,0.001,**	**Slew =,0.06**	2R1	4	0	6,256,073:45:0	
1547	1	289	03:49:52.800	117DI105A106A4H	**7STRP**	**0.032612,0.0076,**	**Slew =12.01**	2R1	4	0	6,256,082:40:0	
1548	1	289	03:50:06.133	117DI105A106A4I	**7STRP**	**-0.032361,0.001,**	**Slew =,0.06**	2R1	4	0	6,256,082:60:0	
1549	1	289	03:59:08.800	117DI105A106A4J	**7STRP**	**0.032612,0.0076,**	**Slew =12.01**	2R1	4	0	6,256,091:55:0	
1550	1	289	03:59:22.133	117DI105A106A4K	**7STRP**	**-0.032361,0.001,**	**Slew =,0.06**	2R1	4	0	6,256,091:75:0	
1551	1	289	04:08:24.800	117DI105A106A4L	**7STRP**	**0.032612,0.0076,**	**Slew =12.01**	2R1	4	0	6,256,100:70:0	
1552	1	289	04:08:38.133	117DI105A106A4M	**7STRP**	**-0.032361,0.001,**	**Slew =,0.06**	2R1	4	0	6,256,100:90:0	
1553	**1**	**289**	**04:17:36.800**	**32INREGION01-**	**DESELC**	**300EI**	**IO REGIONAL OBSERVATION**	**2R1**	**4**	**0**	**: :**	
1554	**1**	**289**	**04:17:36.800**	**32INREGION01-**	**DESELC**	**300DI**	**IO REGIONAL OBSERVATION**	**2R1**	**4**	**0**	**: :**	
1555	1	289	04:17:38.800	175DI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R1	4	0	6,256,109:82:0	
1556	1	289	04:17:38.800	175DI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R1	4	0	6,256,109:82:0	
1557	1	289	04:17:38.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1210.55 +/- 5	2R1	4	0	6,256,109:82:0	
1558	1	289	04:17:40.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1210.61 +/- 5	2R1	4	0	6,256,109:83:8	
1559	1	289	04:17:40.800	117DI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R1	4	0	6,256,109:85:0	
1560	1	289	04:17:44.133	165GT4A	7SCAN	NORM,45.272,22.0	Check S/P Position	2R1	4	0	6,256,109:90:0	
1561	**1**	**289**	**04:17:44.233**	**32INREGION01-**		**-----STOP-------**		**2R1**	**4**	**0**	**: :**	
1562	1	289	04:17:44.800	176GT6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R1	4	0	6,256,110:00:0	
1563	1	289	04:18:36.133	117GT	**CSMOS**	GS	***** GROUP START CSMOS	2R1	4	0	6,256,110:77:0	
1564	1	289	04:18:45.466	117GT105A106A4A	7STRP	-0.030509,-0.003	Slew =,0.16	2R1	4	0	6,256,111:00:0	
1565	1	289	04:21:59.466	117GT105A106A4B	7STRP	0.029108,0.0009,	Slew =12.01	2R1	4	0	6,256,114:18:0	
1566	1	289	04:22:11.466	117GT105A106A4C	7STRP	-0.030509,-0.003	Slew =,0.16	2R1	4	0	6,256,114:36:0	
1567	1	289	04:25:25.466	117GT105A106A4D	7STRP	0.029108,0.0009,	Slew =12.01	2R1	4	0	6,256,117:54:0	
1568	1	289	04:25:37.466	117GT105A106A4E	7STRP	-0.030509,-0.003	Slew =,0.16	2R1	4	0	6,256,117:72:0	
1569	1	289	04:28:51.466	117GT105A106A4F	7STRP	0.029108,0.0009,	Slew =12.01	2R1	4	0	6,256,120:90:0	
1570	1	289	04:29:03.466	117GT105A106A4G	7STRP	-0.030509,-0.003	Slew =,0.16	2R1	4	0	6,256,121:17:0	
1571	1	289	04:30:19.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R1	4	0	6,256,122:40:0	
1572	1	289	04:30:19.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1210.61 +/- 5	2R1	4	0	6,256,122:40:0	
1573	1	289	04:30:26.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1210.61 +/- 5	2R1	4	0	6,256,122:50:0	
1574	1	289	04:30:27.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *1210.73 +/- 5	2R1	4	0	6,256,122:52:1	
1575	1	289	04:30:44.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1214.78 +/- 5	2R1	4	0	6,256,122:78:0	
1576	1	289	04:31:07.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R1	4	0	6,256,123:21:0	
1577	1	289	04:31:07.466		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1220.09 +/- 5	2R1	4	0	6,256,123:21:0	
1578	1	289	04:31:08.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1220.15 +/- 5	2R1	4	0	6,256,123:22:8	
1579	1	289	04:32:17.466	117GT105A106A4H	7STRP	0.029108,0.0009,	Slew =12.01	2R1	4	0	6,256,124:35:0	
1580	1	289	04:32:29.466	117GT105A106A4I	7STRP	-0.030509,-0.003	Slew =,0.16	2R1	4	0	6,256,124:53:0	
1581	1	289	04:35:43.466	117GT105A106A4J	7STRP	0.029108,0.0009,	Slew =12.01	2R1	4	0	6,256,127:71:0	
1582	1	289	04:35:55.466	117GT105A106A4K	7STRP	-0.030509,-0.003	Slew =,0.16	2R1	4	0	6,256,127:89:0	
1583	1	289	04:37:42.133	20IF6B	6MCOPY	HLM1A,E700,B1A1A	HLM1A,E700,B1A1A,5D2F,5DC	2R1	4	0	6,256,129:67:0	
1584	1	289	04:39:09.466	117GT105A106A4L	7STRP	0.029108,0.0009,	Slew =12.01	2R1	4	0	6,256,131:16:0	
1585	1	289	04:39:21.466	117GT105A106A4M	7STRP	-0.030509,-0.003	Slew =,0.16	2R1	4	0	6,256,131:34:0	
1586	1	289	04:42:35.466	117GT105A106A4N	7STRP	0.029108,0.0009,	Slew =12.01	2R1	4	0	6,256,134:52:0	
1587	1	289	04:42:47.466	117GT105A106A4O	7STRP	-0.030509,-0.003	Slew =,0.16	2R1	4	0	6,256,134:70:0	
1588	1	289	04:43:21.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R1	4	0	6,256,135:30:0	
1589	1	289	04:43:21.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1220.15 +/- 5	2R1	4	0	6,256,135:30:0	
1590	1	289	04:43:28.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1220.15 +/- 5	2R1	4	0	6,256,135:40:0	
1591	1	289	04:43:29.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *1220.27 +/- 5	2R1	4	0	6,256,135:42:1	
1592	1	289	04:43:46.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1224.31 +/- 5	2R1	4	0	6,256,135:68:0	
1593	1	289	04:44:09.466		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1229.63 +/- 5	2R1	4	0	6,256,136:11:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1594	1	289	04:44:09.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R1	4	0	6,256,136:11:0
1595	1	289	04:44:10.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1229.69 +/- 5	2R1	4	0	6,256,136:12:8
1596	1	289	04:46:01.466	117GT11A	**CSMOS**	GE	***** GROUP END CSMOS	2R1	4	0	6,256,137:88:0
1597	1	289	04:46:33.466	176GT6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R1	4	0	6,256,138:45:0
1598	1	289	04:46:35.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R1	4	0	6,256,138:48:0
1599	1	289	04:46:35.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1229.69 +/- 5	2R1	4	0	6,256,138:48:0
1600	1	289	04:46:42.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1229.69 +/- 5	2R1	4	0	6,256,138:58:0
1601	1	289	04:46:43.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *1229.81 +/- 5	2R1	4	0	6,256,138:60:1
1602	1	289	04:46:45.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1230.26 +/- 5	2R1	4	0	6,256,138:63:0
1603	1	289	04:46:57.466		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1233.07 +/- 5	2R1	4	0	6,256,138:81:0
1604	1	289	04:46:57.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R1	4	0	6,256,138:81:0
1605	1	289	04:46:58.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1233.13 +/- 5	2R1	4	0	6,256,138:82:8
1606	1	289	04:50:05.466	165IN4A	7SCAN	NORM,40.814,18.3	Check S/P Position	2R1	4	0	6,256,141:90:0
1607	1	289	04:52:58.133	175IN422A6A	6DMSC	R806,1	DMS Control	2R1	4	0	6,256,144:76:0
1608	1	289	04:52:58.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1233.13 +/- 5	2R1	4	0	6,256,144:76:0
1609	1	289	04:53:04.800		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 1233.13 +/- 5	2R1	4	0	6,256,144:86:0
1610	1	289	04:53:06.800	165IN4B	7VECT		Inert vect update UTC	2R1	4	0	6,256,144:89:0
1611	1	289	04:53:09.466	175IN176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R1	4	0	6,256,145:02:0
1612	1	289	04:53:10.066		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *1299.13 +/- 5	2R1	4	0	6,256,145:02:9
1613	1	289	04:53:10.066		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 1299.13 +/- 6	2R1	4	0	6,256,145:02:9
1614	1	289	04:53:13.466		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *1382.80 +/- 6	2R1	4	0	6,256,145:08:0
1615	1	289	04:53:13.466	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R1	4	0	6,256,145:08:0
1616	1	289	04:53:16.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1394.30 +/- 6	2R1	4	0	6,256,145:12:1
1617	1	289	04:54:08.800	176GU6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R1	4	0	6,256,146:00:0
1618	1	289	04:54:18.800	165GU4A	7SCAN	NORM,45.386,19.3	Check S/P Position	2R1	4	0	6,256,146:15:0
1619	1	289	04:55:00.133	117GU	**CSMOS**	GS	***** GROUP START CSMOS	2R1	4	0	6,256,146:77:0
1620	1	289	04:55:09.466	117GU105A106A4A	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,147:00:0
1621	1	289	04:57:51.466	117GU105A106A4B	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,149:61:0
1622	1	289	04:58:04.133	117GU105A106A4C	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,149:80:0
1623	1	289	05:00:46.133	117GU105A106A4D	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,152:50:0
1624	1	289	05:00:58.800	117GU105A106A4E	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,152:69:0
1625	1	289	05:03:40.800	117GU105A106A4F	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,155:39:0
1626	1	289	05:03:53.466	117GU105A106A4G	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,155:58:0
1627	1	289	05:06:35.466	117GU105A106A4H	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,158:28:0
1628	1	289	05:06:48.133	117GU105A106A4I	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,158:47:0
1629	1	289	05:09:30.133	117GU105A106A4J	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,161:17:0
1630	1	289	05:09:42.800	117GU105A106A4K	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,161:36:0
1631	1	289	05:11:21.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1394.30 +/- 6	2R1	4	0	6,256,163:02:0
1632	1	289	05:11:21.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R1	4	0	6,256,163:02:0
1633	1	289	05:11:28.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1394.30 +/- 6	2R1	4	0	6,256,163:12:0
1634	1	289	05:11:29.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *1394.42 +/- 6	2R1	4	0	6,256,163:14:1
1635	1	289	05:11:56.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1400.82 +/- 6	2R1	4	0	6,256,163:55:0
1636	1	289	05:12:19.466		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1406.13 +/- 6	2R1	4	0	6,256,163:89:0
1637	1	289	05:12:19.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R1	4	0	6,256,163:89:0
1638	1	289	05:12:20.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1406.19 +/- 6	2R1	4	0	6,256,163:90:8
1639	1	289	05:12:24.800	117GU105A106A4L	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,164:06:0
1640	1	289	05:12:37.466	117GU105A106A4M	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,164:25:0
1641	1	289	05:15:19.466	117GU105A106A4N	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,166:86:0
1642	1	289	05:15:32.133	117GU105A106A4O	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,167:14:0
1643	1	289	05:18:00.133	488AJ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R1	4	0	6,256,169:54:0
1644	1	289	05:18:14.133	117GU105A106A4P	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,169:75:0
1645	1	289	05:18:26.800	117GU105A106A4Q	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,170:03:0
1646	1	289	05:21:08.800	117GU105A106A4R	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,172:64:0
1647	1	289	05:21:21.466	117GU105A106A4S	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,172:83:0
1648	1	289	05:24:03.466	117GU105A106A4T	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,175:53:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	1	289	05:24:16.133	117GU105A106A4U	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,175:72:0	
1650	1	289	05:26:48.800	488AJ6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R1	4	0	6,256,178:28:0	
1651	1	289	05:26:58.133	117GU105A106A4V	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,178:42:0	
1652	1	289	05:27:10.800	117GU105A106A4W	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,178:61:0	
1653	1	289	05:29:12.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1406.19 +/- 6	2R1	4	0	6,256,180:62:0	
1654	1	289	05:29:12.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R1	4	0	6,256,180:62:0	
1655	1	289	05:29:19.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1406.19 +/- 6	2R1	4	0	6,256,180:72:0	
1656	1	289	05:29:20.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *1406.31 +/- 6	2R1	4	0	6,256,180:74:1	
1657	1	289	05:29:47.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1412.54 +/- 6	2R1	4	0	6,256,181:23:0	
1658	1	289	05:29:52.800	117GU105A106A4X	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,181:31:0	
1659	1	289	05:30:05.466	117GU105A106A4Y	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,181:50:0	
1660	1	289	05:30:10.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R1	4	0	6,256,181:57:0	
1661	1	289	05:30:10.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1417.85 +/- 6	2R1	4	0	6,256,181:57:0	
1662	1	289	05:30:11.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1417.91 +/- 6	2R1	4	0	6,256,181:58:8	
1663	1	289	05:32:47.466	117GU105A106A4Z	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,184:20:0	
1664	1	289	05:33:00.133	117GU105A106A4AA	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,184:39:0	
1665	1	289	05:35:42.133	117GU105A106A4AB	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,187:09:0	
1666	1	289	05:35:54.800	117GU105A106A4AC	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,187:28:0	
1667	1	289	05:38:36.800	117GU105A106A4AD	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,189:89:0	
1668	1	289	05:38:49.466	117GU105A106A4AE	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,190:17:0	
1669	1	289	05:41:31.466	117GU105A106A4AF	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,192:78:0	
1670	1	289	05:41:44.133	117GU105A106A4AG	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,193:06:0	
1671	1	289	05:44:26.133	117GU105A106A4AH	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,195:67:0	
1672	1	289	05:44:38.800	117GU105A106A4AI	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,195:86:0	
1673	1	289	05:47:04.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R1	4	0	6,256,198:31:0	
1674	1	289	05:47:04.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1417.91 +/- 6	2R1	4	0	6,256,198:31:0	
1675	1	289	05:47:10.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1417.91 +/- 6	2R1	4	0	6,256,198:41:0	
1676	1	289	05:47:12.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *1418.03 +/- 6	2R1	4	0	6,256,198:43:1	
1677	1	289	05:47:20.800	117GU105A106A4AJ	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,198:56:0	
1678	1	289	05:47:33.466	117GU105A106A4AK	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,198:75:0	
1679	1	289	05:47:38.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1424.27 +/- 6	2R1	4	0	6,256,198:83:0	
1680	1	289	05:48:01.466		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1429.58 +/- 6	2R1	4	0	6,256,199:26:0	
1681	1	289	05:48:01.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R1	4	0	6,256,199:26:0	
1682	1	289	05:48:02.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1429.64 +/- 6	2R1	4	0	6,256,199:27:8	
1683	1	289	05:50:15.466	117GU105A106A4AL	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,201:45:0	
1684	1	289	05:50:28.133	117GU105A106A4AM	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,201:64:0	
1685	1	289	05:53:10.133	117GU105A106A4AN	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,204:34:0	
1686	1	289	05:53:22.800	117GU105A106A4AO	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,204:53:0	
1687	1	289	05:56:04.800	117GU105A106A4AP	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,207:23:0	
1688	1	289	05:56:17.466	117GU105A106A4AQ	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,207:42:0	
1689	1	289	05:58:59.466	117GU105A106A4AR	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,210:12:0	
1690	1	289	05:59:12.133	117GU105A106A4AS	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,210:31:0	
1691	1	289	06:01:54.133	117GU105A106A4AT	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,213:01:0	
1692	1	289	06:02:06.800	117GU105A106A4AU	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,213:20:0	
1693	1	289	06:04:48.800	117GU105A106A4AV	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,215:81:0	
1694	1	289	06:04:55.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R1	4	0	6,256,216:00:0	
1695	1	289	06:04:55.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1429.64 +/- 6	2R1	4	0	6,256,216:00:0	
1696	1	289	06:05:01.466	117GU105A106A4AW	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,216:09:0	
1697	1	289	06:05:02.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1429.64 +/- 6	2R1	4	0	6,256,216:10:0	
1698	1	289	06:05:03.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *1429.76 +/- 6	2R1	4	0	6,256,216:12:1	
1699	1	289	06:05:30.133		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1436.00 +/- 6	2R1	4	0	6,256,216:52:0	
1700	1	289	06:05:52.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1441.31 +/- 6	2R1	4	0	6,256,216:86:0	
1701	1	289	06:05:52.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R1	4	0	6,256,216:86:0	
1702	1	289	06:05:54.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1441.37 +/- 6	2R1	4	0	6,256,216:87:8	
1703	1	289	06:07:43.466	117GU105A106A4AX	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,218:70:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	1	289	06:07:56.133	117GU105A106A4AY	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,218:89:0	
1705	1	289	06:09:50.133	488AJ6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R1	4	0	6,256,220:78:0	
1706	1	289	06:10:38.133	117GU105A106A4AZ	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,221:59:0	
1707	1	289	06:10:50.800	117GU105A106A4BA	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,221:78:0	
1708	1	289	06:13:32.800	117GU105A106A4BB	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,224:48:0	
1709	1	289	06:13:45.466	117GU105A106A4BC	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,224:67:0	
1710	1	289	06:16:27.466	117GU105A106A4BD	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,227:37:0	
1711	1	289	06:16:40.133	117GU105A106A4BE	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,227:56:0	
1712	1	289	06:19:22.133	117GU105A106A4BF	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,230:26:0	
1713	1	289	06:19:34.800	117GU105A106A4BG	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,230:45:0	
1714	1	289	06:22:16.800	117GU105A106A4BH	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,233:15:0	
1715	1	289	06:22:29.466	117GU105A106A4BI	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,233:34:0	
1716	1	289	06:22:46.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1441.37 +/- 6	2R1	4	0	6,256,233:60:0	
1717	1	289	06:22:46.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R1	4	0	6,256,233:60:0	
1718	1	289	06:22:53.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1441.37 +/- 6	2R1	4	0	6,256,233:70:0	
1719	1	289	06:22:54.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *1441.49 +/- 6	2R1	4	0	6,256,233:72:1	
1720	1	289	06:23:21.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1447.72 +/- 6	2R1	4	0	6,256,234:21:0	
1721	1	289	06:23:44.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R1	4	0	6,256,234:55:0	
1722	1	289	06:23:44.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1453.04 +/- 6	2R1	4	0	6,256,234:55:0	
1723	1	289	06:23:45.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1453.10 +/- 6	2R1	4	0	6,256,234:56:8	
1724	1	289	06:24:24.800	488AK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R1	4	0	6,256,235:25:0	
1725	1	289	06:25:11.466	117GU105A106A4BJ	7STRP	0.032011,0.00229	Slew =12.01	2R1	4	0	6,256,236:04:0	
1726	1	289	06:25:24.133	117GU105A106A4BK	7STRP	-0.033412,-0.001	Slew =,0.21	2R1	4	0	6,256,236:23:0	
1727	1	289	06:28:06.133	117GU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R1	4	0	6,256,238:84:0	
1728	1	289	06:28:40.800	176GU6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R1	4	0	6,256,239:45:0	
1729	1	289	06:28:42.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1453.10 +/- 6	2R1	4	0	6,256,239:48:0	
1730	1	289	06:28:42.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R1	4	0	6,256,239:48:0	
1731	1	289	06:28:49.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1453.10 +/- 6	2R1	4	0	6,256,239:58:0	
1732	1	289	06:28:50.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *1453.22 +/- 6	2R1	4	0	6,256,239:60:1	
1733	1	289	06:28:52.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1453.67 +/- 6	2R1	4	0	6,256,239:63:0	
1734	1	289	06:29:06.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1456.79 +/- 6	2R1	4	0	6,256,239:83:0	
1735	1	289	06:29:06.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R1	4	0	6,256,239:83:0	
1736	1	289	06:29:07.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1456.85 +/- 6	2R1	4	0	6,256,239:84:8	
1737	1	289	06:31:12.133	165GP4A	7SCAN	NORM,25.904,14.4	Check S/P Position	2R1	4	0	6,256,241:90:0	
1738	1	289	06:32:13.466	176GP6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R1	4	0	6,256,243:00:0	
1739	1	289	06:33:04.800	117GP	**CSMOS**	GS	***** GROUP START CSMOS	2R1	4	0	6,256,243:77:0	
1740	1	289	06:33:14.133	117GP105A106A4A	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,244:00:0	
1741	1	289	06:33:53.466	117GP105A106A4B	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,244:59:0	
1742	1	289	06:34:05.466	117GP105A106A4C	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,244:77:0	
1743	1	289	06:34:44.800	117GP105A106A4D	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,245:45:0	
1744	1	289	06:34:56.800	117GP105A106A4E	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,245:63:0	
1745	1	289	06:35:36.133	117GP105A106A4F	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,246:31:0	
1746	1	289	06:35:48.133	117GP105A106A4G	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,246:49:0	
1747	1	289	06:36:27.466	117GP105A106A4H	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,247:17:0	
1748	1	289	06:36:39.466	117GP105A106A4I	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,247:35:0	
1749	1	289	06:37:18.800	117GP105A106A4J	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,248:03:0	
1750	1	289	06:37:30.800	117GP105A106A4K	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,248:21:0	
1751	1	289	06:38:10.133	117GP105A106A4L	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,248:80:0	
1752	1	289	06:38:22.133	117GP105A106A4M	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,249:07:0	
1753	1	289	06:39:01.466	117GP105A106A4N	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,249:66:0	
1754	1	289	06:39:13.466	117GP105A106A4O	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,249:84:0	
1755	1	289	06:39:52.800	117GP105A106A4P	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,250:52:0	
1756	1	289	06:40:04.800	117GP105A106A4Q	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,250:70:0	
1757	1	289	06:40:44.133	117GP105A106A4R	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,251:38:0	
1758	1	289	06:40:56.133	117GP105A106A4S	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,251:56:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	1	289	06:41:35.466	117GP105A106A4T	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,252:24:0	
1760	1	289	06:41:47.466	117GP105A106A4U	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,252:42:0	
1761	1	289	06:42:26.800	117GP105A106A4V	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,253:10:0	
1762	1	289	06:42:31.466	488AK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R1	4	0	6,256,253:17:0	
1763	1	289	06:42:38.800	117GP105A106A4W	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,253:28:0	
1764	1	289	06:43:18.133	117GP105A106A4X	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,253:87:0	
1765	1	289	06:43:30.133	117GP105A106A4Y	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,254:14:0	
1766	1	289	06:44:09.466	117GP105A106A4Z	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,254:73:0	
1767	1	289	06:44:21.466	117GP105A106A4AA	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,255:00:0	
1768	1	289	06:44:48.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1456.85 +/- 6	2R1	4	0	6,256,255:40:0	
1769	1	289	06:44:48.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R1	4	0	6,256,255:40:0	
1770	1	289	06:44:54.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1456.85 +/- 6	2R1	4	0	6,256,255:50:0	
1771	1	289	06:44:56.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *1456.97 +/- 6	2R1	4	0	6,256,255:52:1	
1772	1	289	06:45:00.800	117GP105A106A4AB	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,255:59:0	
1773	1	289	06:45:12.800	117GP105A106A4AC	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,255:77:0	
1774	1	289	06:45:13.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1461.02 +/- 6	2R1	4	0	6,256,255:78:0	
1775	1	289	06:45:36.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R1	4	0	6,256,256:21:0	
1776	1	289	06:45:36.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1466.33 +/- 6	2R1	4	0	6,256,256:21:0	
1777	1	289	06:45:37.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1466.39 +/- 6	2R1	4	0	6,256,256:22:8	
1778	1	289	06:45:52.133	117GP105A106A4AD	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,256:45:0	
1779	1	289	06:46:04.133	117GP105A106A4AE	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,256:63:0	
1780	1	289	06:46:43.466	117GP105A106A4AF	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,257:31:0	
1781	1	289	06:46:55.466	117GP105A106A4AG	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,257:49:0	
1782	1	289	06:47:34.800	117GP105A106A4AH	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,258:17:0	
1783	1	289	06:47:46.800	117GP105A106A4AI	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,258:35:0	
1784	1	289	06:48:26.133	117GP105A106A4AJ	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,259:03:0	
1785	1	289	06:48:38.133	117GP105A106A4AK	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,259:21:0	
1786	1	289	06:49:17.466	117GP105A106A4AL	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,259:80:0	
1787	1	289	06:49:29.466	117GP105A106A4AM	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,260:07:0	
1788	1	289	06:50:08.800	117GP105A106A4AN	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,260:66:0	
1789	1	289	06:50:20.800	117GP105A106A4AO	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,260:84:0	
1790	1	289	06:51:00.133	117GP105A106A4AP	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,261:52:0	
1791	1	289	06:51:12.133	117GP105A106A4AQ	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,261:70:0	
1792	1	289	06:51:51.466	117GP105A106A4AR	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,262:38:0	
1793	1	289	06:52:03.466	117GP105A106A4AS	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,262:56:0	
1794	1	289	06:52:42.800	117GP105A106A4AT	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,263:24:0	
1795	1	289	06:52:54.800	117GP105A106A4AU	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,263:42:0	
1796	1	289	06:53:34.133	117GP105A106A4AV	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,264:10:0	
1797	1	289	06:53:46.133	117GP105A106A4AW	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,264:28:0	
1798	1	289	06:54:25.466	117GP105A106A4AX	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,264:87:0	
1799	1	289	06:54:37.466	117GP105A106A4AY	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,265:14:0	
1800	1	289	06:55:16.800	117GP105A106A4AZ	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,265:73:0	
1801	1	289	06:55:28.800	117GP105A106A4BA	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,266:00:0	
1802	1	289	06:56:08.133	117GP105A106A4BB	7STRP	0.0095,-0.00109,	Slew =12.01	2R1	4	0	6,256,266:59:0	
1803	1	289	06:56:20.133	117GP105A106A4BC	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R1	4	0	6,256,266:77:0	
1804	**1**	**289**	**06:56:49.400**	**32NNREGION02-**		**-----START------**		**2R1**	**4**	**0**	**: :**	
1805	**1**	**289**	**06:56:53.466**	**20DJ5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,256,267:36:0**	
1806	**1**	**289**	**06:56:56.800**	**20DJ5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,256,267:41:0**	
1807	1	289	06:56:59.466	117GP105A106A4BD	7STRP	0.0095,-0.00109,	Slew =12.01		4	0	6,256,267:45:0	
1808	**1**	**289**	**06:57:00.133**	**20DJ6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,256,267:46:0**	
1809	**1**	**289**	**06:57:10.133**	**20DJ6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,256,267:61:0**	
1810	1	289	06:57:11.466	117GP105A106A4BE	7STRP	-0.008,0.0,0,0,0	Slew =,0.26		4	0	6,256,267:63:0	
1811	**1**	**289**	**06:57:20.133**	**20DJ5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,256,267:76:0**	
1812	**1**	**289**	**06:57:23.466**	**20DJ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,256,267:81:0**	
1813	1	289	06:57:50.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1466.39 +/- 6	260	4	0	6,256,268:30:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1814	1	289	06:57:50.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	260	4	0	6,256,268:30:0	
1815	1	289	06:57:50.800	117GP105A106A4BF	7STRP	0.0095,-0.00109,	Slew =12.01	260	4	0	6,256,268:31:0	
1816	1	289	06:57:56.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1466.39 +/- 6	260	4	0	6,256,268:40:0	
1817	1	289	06:57:58.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *1466.51 +/- 6	260	4	0	6,256,268:42:1	
1818	1	289	06:58:02.800	117GP105A106A4BG	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	260	4	0	6,256,268:49:0	
1819	1	289	06:58:15.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1470.56 +/- 6	260	4	0	6,256,268:68:0	
1820	**1**	**289**	**06:58:24.133**	**20DJ4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,256,268:81:0**	
1821	1	289	06:58:38.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1475.87 +/- 6	2R0	4	0	6,256,269:11:0	
1822	1	289	06:58:38.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	6,256,269:11:0	
1823	1	289	06:58:39.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1475.93 +/- 6	2R0	4	0	6,256,269:12:8	
1824	1	289	06:58:42.133	117GP105A106A4BH	7STRP	0.0095,-0.00109,	Slew =12.01	2R0	4	0	6,256,269:17:0	
1825	1	289	06:58:54.133	117GP105A106A4BI	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R0	4	0	6,256,269:35:0	
1826	**1**	**289**	**06:59:26.790**	**32INREGION02-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
1827	**1**	**289**	**06:59:26.800**	**127DJ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**6,256,269:84:0**	
1828	1	289	06:59:26.800	127DJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	6,256,269:84:0	
1829	**1**	**289**	**06:59:27.466**	**127DJ4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**6,256,269:85:0**	
1830	1	289	06:59:33.466	117GP105A106A4BJ	7STRP	0.0095,-0.00109,	Slew =12.01	2R3	4	0	6,256,270:03:0	
1831	1	289	06:59:35.466	127DJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,256,270:06:0	
1832	1	289	06:59:45.466	117GP105A106A4BK	7STRP	-0.008,0.0,0,0,0	Slew =,0.26	2R3	4	0	6,256,270:21:0	
1833	**1**	**289**	**06:59:49.566**	**32NNREGION02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1834	1	289	07:00:24.800	117GP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	6,256,270:80:0	
1835	1	289	07:01:02.133	176GP6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	6,256,271:45:0	
1836	1	289	07:01:04.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1475.93 +/- 6	2R3	4	0	6,256,271:48:0	
1837	1	289	07:01:04.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,256,271:48:0	
1838	1	289	07:01:10.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1475.93 +/- 6	2R3	4	0	6,256,271:58:0	
1839	1	289	07:01:12.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *1476.05 +/- 6	2R3	4	0	6,256,271:60:1	
1840	1	289	07:01:14.133		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1476.51 +/- 6	2R3	4	0	6,256,271:63:0	
1841	1	289	07:01:26.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,256,271:81:0	
1842	1	289	07:01:26.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1479.32 +/- 6	2R3	4	0	6,256,271:81:0	
1843	1	289	07:01:27.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1479.38 +/- 6	2R3	4	0	6,256,271:82:8	
1844	1	289	07:02:32.800	165DJ4A	**7SCAN**	**NORM,41.435,19.1**	**Check S/P Position**	2R3	4	0	6,256,272:90:0	
1845	1	289	07:03:24.800	117DJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	6,256,273:77:0	
1846	1	289	07:03:26.800	175DJ422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	6,256,273:80:0	
1847	1	289	07:03:26.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1479.38 +/- 6	2R3	4	0	6,256,273:80:0	
1848	1	289	07:03:32.800	165DJ4B	7VECT		Inert vect update UTC	2R3	4	0	6,256,273:89:0	
1849	1	289	07:03:33.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1479.38 +/- 6	2R3	4	0	6,256,273:90:0	
1850	1	289	07:03:34.133	117DJ105A106A4A	**7STRP**	**-0.019052,-0.001**	**Slew =,0.03**	2R3	4	0	6,256,274:00:0	
1851	1	289	07:03:34.800	175DJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	6,256,274:01:0	
1852	1	289	07:03:34.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1479.50 +/- 6	2R3	4	0	6,256,274:01:1	
1853	1	289	07:03:34.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1479.50 +/- 6	2R3	4	0	6,256,274:01:1	
1854	**1**	**289**	**07:03:40.866**	**32INREGION02-**	**NIMPBK**	**301EJ**	**IO REGIONAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1855	**1**	**289**	**07:03:40.866**	**32INREGION02-**	**NIMPBK**	**301DJ**	**IO REGIONAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1856	1	289	07:14:12.800	117DJ105A106A4B	**7STRP**	**0.018752,-0.006,**	**Slew =12.01**	2R3	4	0	6,256,284:48:0	
1857	1	289	07:14:24.133	117DJ105A106A4C	**7STRP**	**-0.019052,-0.001**	**Slew =,0.03**	2R3	4	0	6,256,284:65:0	
1858	1	289	07:16:10.133	488AK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	6,256,286:42:0	
1859	1	289	07:25:02.800	117DJ105A106A4D	**7STRP**	**0.018752,-0.006,**	**Slew =12.01**	2R3	4	0	6,256,295:22:0	
1860	1	289	07:25:14.133	117DJ105A106A4E	**7STRP**	**-0.019052,-0.001**	**Slew =,0.03**	2R3	4	0	6,256,295:39:0	
1861	1	289	07:35:52.800	117DJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	6,256,305:87:0	
1862	**1**	**289**	**07:35:55.466**	**32INREGION02-**	**DESELC**	**300DJ**	**IO REGIONAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1863	**1**	**289**	**07:35:55.466**	**32INREGION02-**	**DESELC**	**300EJ**	**IO REGIONAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1864	1	289	07:35:57.466		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1934.79 +/- 6	2R3	4	0	6,256,306:03:0	
1865	1	289	07:35:57.466	175DJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,256,306:03:0	
1866	1	289	07:35:57.466	175DJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	6,256,306:03:0	
1867	1	289	07:35:58.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1934.85 +/- 6	2R3	4	0	6,256,306:04:8	
1868	**1**	**289**	**07:36:02.900**	**32INREGION02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	1	289	07:37:31.466	488AK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	6,256,307:53:0	
1870	1	289	08:01:11.466	165GV4A	7SCAN	NORM,323.917999,	Check S/P Position	2R3	4	0	6,256,330:90:0	
1871	1	289	08:02:12.800	176GV6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	6,256,332:00:0	
1872	1	289	08:03:04.133	117GV	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	6,256,332:77:0	
1873	1	289	08:03:13.466	117GV105A106A4A	7STRP	-0.0094,-0.0002,	Slew =,0.55	2R3	4	0	6,256,333:00:0	
1874	1	289	08:03:35.466	117GV105A106A4B	7STRP	0.01123,-0.0009,	Slew =12.01	2R3	4	0	6,256,333:33:0	
1875	1	289	08:03:47.466	117GV105A106A4C	7STRP	-0.0094,-0.0002,	Slew =,0.55	2R3	4	0	6,256,333:51:0	
1876	1	289	08:04:09.466	117GV105A106A4D	7STRP	0.01123,-0.0009,	Slew =12.01	2R3	4	0	6,256,333:84:0	
1877	1	289	08:04:21.466	117GV105A106A4E	7STRP	-0.0094,-0.0002,	Slew =,0.55	2R3	4	0	6,256,334:11:0	
1878	1	289	08:04:43.466	117GV105A106A4F	7STRP	0.01123,-0.0009,	Slew =12.01	2R3	4	0	6,256,334:44:0	
1879	1	289	08:04:55.466	117GV105A106A4G	7STRP	-0.0094,-0.0002,	Slew =,0.55	2R3	4	0	6,256,334:62:0	
1880	1	289	08:05:17.466	117GV105A106A4H	7STRP	0.01123,-0.0009,	Slew =12.01	2R3	4	0	6,256,335:04:0	
1881	1	289	08:05:29.466	117GV105A106A4I	7STRP	-0.0094,-0.0002,	Slew =,0.55	2R3	4	0	6,256,335:22:0	
1882	1	289	08:05:51.466	117GV105A106A4J	7STRP	0.01123,-0.0009,	Slew =12.01	2R3	4	0	6,256,335:55:0	
1883	1	289	08:06:03.466	117GV105A106A4K	7STRP	-0.0094,-0.0002,	Slew =,0.55	2R3	4	0	6,256,335:73:0	
1884	1	289	08:06:25.466	117GV105A106A4L	7STRP	0.01123,-0.0009,	Slew =12.01	2R3	4	0	6,256,336:15:0	
1885	1	289	08:06:37.466	117GV105A106A4M	7STRP	-0.0094,-0.0002,	Slew =,0.55	2R3	4	0	6,256,336:33:0	
1886	1	289	08:06:59.466	117GV105A106A4N	7STRP	0.01123,-0.0009,	Slew =12.01	2R3	4	0	6,256,336:66:0	
1887	1	289	08:07:11.466	117GV105A106A4O	7STRP	-0.0094,-0.0002,	Slew =,0.55	2R3	4	0	6,256,336:84:0	
1888	1	289	08:07:33.466	117GV105A106A4P	7STRP	0.01123,-0.0009,	Slew =12.01	2R3	4	0	6,256,337:26:0	
1889	1	289	08:07:45.466	117GV105A106A4Q	7STRP	-0.0094,-0.0002,	Slew =,0.55	2R3	4	0	6,256,337:44:0	
1890	1	289	08:08:07.466	117GV105A106A4R	7STRP	0.01123,-0.0009,	Slew =12.01	2R3	4	0	6,256,337:77:0	
1891	1	289	08:08:19.466	117GV105A106A4S	7STRP	-0.0094,-0.0002,	Slew =,0.55	2R3	4	0	6,256,338:04:0	
1892	1	289	08:08:41.466	117GV105A106A4T	7STRP	0.01123,-0.0009,	Slew =12.01	2R3	4	0	6,256,338:37:0	
1893	1	289	08:08:53.466	117GV105A106A4U	7STRP	-0.0094,-0.0002,	Slew =,0.55	2R3	4	0	6,256,338:55:0	
1894	1	289	08:09:15.466	117GV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	6,256,338:88:0	
1895	1	289	08:09:47.466	176GV6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	6,256,339:45:0	
1896	1	289	08:09:49.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1934.85 +/- 6	2R3	4	0	6,256,339:48:0	
1897	1	289	08:09:49.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,256,339:48:0	
1898	1	289	08:09:56.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1934.85 +/- 6	2R3	4	0	6,256,339:58:0	
1899	1	289	08:09:57.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *1934.97 +/- 6	2R3	4	0	6,256,339:60:1	
1900	1	289	08:09:59.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1935.43 +/- 6	2R3	4	0	6,256,339:63:0	
1901	1	289	08:10:16.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1939.33 +/- 6	2R3	4	0	6,256,339:88:0	
1902	1	289	08:10:16.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,256,339:88:0	
1903	1	289	08:10:17.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1939.39 +/- 6	2R3	4	0	6,256,339:89:8	
1904	1	289	08:11:10.133	488AK6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	6,256,340:78:0	
1905	1	289	08:12:04.133	20WD4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R3	4	0	6,256,341:68:0	
1906	1	289	08:55:52.800	488AL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R3	4	0	6,256,385:07:0	
1907	1	289	09:30:00.133	480SB6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	6,256,418:75:0	
1908	1	289	09:36:40.133	480SB6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	6,256,425:38:0	
1909	1	289	13:08:18.800	20IG6B	6MCOPY	HLM1A,E700,B1A1A	HLM1A,E700,B1A1A,5D2F,5DC	2R3	4	0	6,256,634:67:0	
1910	1	289	13:15:00.133	488AL6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2R3	4	0	6,256,641:32:0	
1911	1	289	13:18:40.800	165II4A	7SCAN	NORM,41.539,18.2	Check S/P Position	2R3	4	0	6,256,644:90:0	
1912	1	289	13:22:34.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1939.39 +/- 6	2R3	4	0	6,256,648:76:0	
1913	1	289	13:22:34.133	175II422A6A	6DMSC	R806,1	DMS Control	2R3	4	0	6,256,648:76:0	
1914	1	289	13:22:40.800		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 1939.39 +/- 6	2R3	4	0	6,256,648:86:0	
1915	1	289	13:22:42.800	165II4B	7VECT		Inert vect update UTC	2R3	4	0	6,256,648:89:0	
1916	1	289	13:22:45.466	175II176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,256,649:02:0	
1917	1	289	13:22:46.066		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 2005.39 +/- 6	2R3	4	0	6,256,649:02:9	
1918	1	289	13:22:46.066		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *2005.39 +/- 6	2R3	4	0	6,256,649:02:9	
1919	1	289	13:23:18.800		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *2810.94 +/- 6	2R3	4	0	6,256,649:52:0	
1920	1	289	13:23:18.800	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,256,649:52:0	
1921	1	289	13:23:21.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2822.44 +/- 6	2R3	4	0	6,256,649:56:1	
1922	1	289	13:25:04.133	20WE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R3	4	0	6,256,651:28:0	
1923	1	289	15:02:48.800	488AM6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R3	4	0	6,256,747:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1924	1	289	15:06:00.133	20MD6A	6CKSUM	MAG,4040,46F0		2R3	4	0	6,256,751:12:0	
1925	1	289	15:06:56.800	480MA6A	6MROH	12,2282,0,A10	read from LLM1A12,2282,0,A1	2R3	4	0	6,256,752:06:0	
1926	1	289	15:06:56.800	480MA6	6MROH	12	read from LLM1A12,2282,0,A1	2R3	4	0	6,256,752:06:0	
1927	1	289	15:14:49.466	165GQ4A	7SCAN	NORM,69.264,25.2	Check S/P Position	2R3	4	0	6,256,759:78:0	
1928	1	289	15:18:00.133	176GQ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	6,256,763:00:0	
1929	1	289	15:18:51.466	117GQ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	6,256,763:77:0	
1930	1	289	15:19:00.800	117GQ105A106A4A	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,764:00:0	
1931	1	289	15:20:10.800	117GQ105A106A4B	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,765:14:0	
1932	1	289	15:20:22.800	117GQ105A106A4C	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,765:32:0	
1933	1	289	15:21:32.800	117GQ105A106A4D	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,766:46:0	
1934	1	289	15:21:44.800	117GQ105A106A4E	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,766:64:0	
1935	1	289	15:22:54.800	117GQ105A106A4F	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,767:78:0	
1936	1	289	15:23:06.800	117GQ105A106A4G	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,768:05:0	
1937	1	289	15:24:16.800	117GQ105A106A4H	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,769:19:0	
1938	1	289	15:24:28.800	117GQ105A106A4I	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,769:37:0	
1939	1	289	15:25:38.800	117GQ105A106A4J	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,770:51:0	
1940	1	289	15:25:50.800	117GQ105A106A4K	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,770:69:0	
1941	1	289	15:27:00.800	117GQ105A106A4L	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,771:83:0	
1942	1	289	15:27:12.800	117GQ105A106A4M	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,772:10:0	
1943	1	289	15:28:22.800	117GQ105A106A4N	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,773:24:0	
1944	1	289	15:28:34.800	117GQ105A106A4O	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,773:42:0	
1945	1	289	15:29:44.800	117GQ105A106A4P	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,774:56:0	
1946	1	289	15:29:56.800	117GQ105A106A4Q	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,774:74:0	
1947	1	289	15:30:34.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2822.44 +/- 6	2R3	4	0	6,256,775:40:0	
1948	1	289	15:30:34.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,256,775:40:0	
1949	1	289	15:30:41.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2822.44 +/- 6	2R3	4	0	6,256,775:50:0	
1950	1	289	15:30:42.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *2822.56 +/- 6	2R3	4	0	6,256,775:52:1	
1951	1	289	15:31:00.133		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2826.61 +/- 6	2R3	4	0	6,256,775:78:0	
1952	1	289	15:31:06.800	117GQ105A106A4R	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,775:88:0	
1953	1	289	15:31:18.800	117GQ105A106A4S	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,776:15:0	
1954	1	289	15:31:22.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,256,776:21:0	
1955	1	289	15:31:22.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2831.92 +/- 6	2R3	4	0	6,256,776:21:0	
1956	1	289	15:31:24.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2831.98 +/- 6	2R3	4	0	6,256,776:22:8	
1957	1	289	15:32:28.800	117GQ105A106A4T	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,777:29:0	
1958	1	289	15:32:40.800	117GQ105A106A4U	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,777:47:0	
1959	1	289	15:33:50.800	117GQ105A106A4V	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,778:61:0	
1960	1	289	15:34:02.800	117GQ105A106A4W	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,778:79:0	
1961	1	289	15:35:12.800	117GQ105A106A4X	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,780:02:0	
1962	1	289	15:35:24.800	117GQ105A106A4Y	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,780:20:0	
1963	1	289	15:36:34.800	117GQ105A106A4Z	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,781:34:0	
1964	1	289	15:36:46.800	117GQ105A106A4AA	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,781:52:0	
1965	1	289	15:37:56.800	117GQ105A106A4AB	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,782:66:0	
1966	1	289	15:38:08.800	117GQ105A106A4AC	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,782:84:0	
1967	1	289	15:39:18.800	117GQ105A106A4AD	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,784:07:0	
1968	1	289	15:39:30.800	117GQ105A106A4AE	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,784:25:0	
1969	1	289	15:40:40.800	117GQ105A106A4AF	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,785:39:0	
1970	1	289	15:40:52.800	117GQ105A106A4AG	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,785:57:0	
1971	1	289	15:42:02.800	117GQ105A106A4AH	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,786:71:0	
1972	1	289	15:42:14.800	117GQ105A106A4AI	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,786:89:0	
1973	1	289	15:43:24.800	117GQ105A106A4AJ	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,788:12:0	
1974	1	289	15:43:36.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,256,788:30:0	
1975	1	289	15:43:36.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2831.98 +/- 6	2R3	4	0	6,256,788:30:0	
1976	1	289	15:43:36.800	117GQ105A106A4AK	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,788:30:0	
1977	1	289	15:43:43.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2831.98 +/- 6	2R3	4	0	6,256,788:40:0	
1978	1	289	15:43:44.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *2832.10 +/- 6	2R3	4	0	6,256,788:42:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1979	1	289	15:44:02.133		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2836.15 +/- 6	2R3	4	0	6,256,788:68:0
1980	1	289	15:44:24.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,256,789:11:0
1981	1	289	15:44:24.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2841.46 +/- 6	2R3	4	0	6,256,789:11:0
1982	1	289	15:44:26.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2841.52 +/- 6	2R3	4	0	6,256,789:12:8
1983	1	289	15:44:46.800	117GQ105A106A4AL	7STRP	0.019002,0.0008,	Slew =12.01	2R3	4	0	6,256,789:44:0
1984	1	289	15:44:58.800	117GQ105A106A4AM	7STRP	-0.019002,-0.002	Slew =,0.29	2R3	4	0	6,256,789:62:0
1985	1	289	15:46:08.800	117GQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	6,256,790:76:0
1986	1	289	15:46:48.800	176GQ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	6,256,791:45:0
1987	1	289	15:46:50.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,256,791:48:0
1988	1	289	15:46:50.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2841.52 +/- 6	2R3	4	0	6,256,791:48:0
1989	1	289	15:46:57.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2841.52 +/- 6	2R3	4	0	6,256,791:58:0
1990	1	289	15:46:58.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *2841.64 +/- 6	2R3	4	0	6,256,791:60:1
1991	1	289	15:47:00.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2842.09 +/- 6	2R3	4	0	6,256,791:63:0
1992	1	289	15:47:12.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,256,791:81:0
1993	1	289	15:47:12.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2844.91 +/- 6	2R3	4	0	6,256,791:81:0
1994	1	289	15:47:14.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2844.97 +/- 6	2R3	4	0	6,256,791:82:8
1995	1	289	15:50:04.133	20WF4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R3	4	0	6,256,794:65:0
1996	1	289	16:27:26.133	488AM6B	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2R3	4	0	6,256,831:61:0
1997	1	289	17:11:05.466	488AM6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R3	4	0	6,256,874:77:0
1998	1	289	18:48:00.133	20TS4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R3	4	0	6,256,970:63:0
1999	1	289	18:48:50.133	20TS4B	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	6,256,971:47:0
2000	1	289	18:48:58.133	20TS4F	7STAR	1,946,200.6382,-	Star catalog update	2R3	4	0	6,256,971:59:0
2001	1	289	18:49:00.133	20TS4G	7STAR	2,770,213.3312,1	Star catalog update	2R3	4	0	6,256,971:62:0
2002	1	289	18:49:02.133	20TS4H	7STAR	3,112,10.2729,-1	Star catalog update	2R3	4	0	6,256,971:65:0
2003	1	289	18:49:04.133	20TS4I	7STAR	4,0,0.0,0.0	Star catalog update	2R3	4	0	6,256,971:68:0
2004	1	289	18:49:06.133	20TS4J	7STAR	5,0,0.0,0.0	Star catalog update	2R3	4	0	6,256,971:71:0
2005	1	289	18:49:08.133	20TS4K	7STAR	6,0,0.0,0.0	Star catalog update	2R3	4	0	6,256,971:74:0
2006	1	289	18:53:02.800	432OZ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	6,256,975:62:0
2007	1	289	18:53:03.466	432OZ6A	6RTSL1		R/T Select of DDS and	2R3	4	0	6,256,975:63:0
2008	1	289	19:07:15.466	20IH6B	6MCOPY	HLM1A,E700,B1A1A	HLM1A,E700,B1A1A,5D2F,5DC	2R3	4	0	6,256,989:67:0
2009	1	289	19:18:38.133	165IM4A	7SCAN	NORM,53.854,21.5	Check S/P Position	2R3	4	0	6,257,000:90:0
2010	1	289	19:22:33.466	118IM	**SMOS**	GS		2R3	4	0	6,257,004:79:0
2011	1	289	19:22:40.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2844.97 +/- 6	2R3	4	0	6,257,004:89:0
2012	1	289	19:22:40.133	165IM4B	7VECT		Inert vect update UTC	2R3	4	0	6,257,004:89:0
2013	1	289	19:22:40.133	175IM422A6A	6DMSC	R806,1	DMS Control	2R3	4	0	6,257,004:89:0
2014	1	289	19:22:43.466	118IM110A111A4A	7STRP	-0.004,0.0,26,0,	Slew =,2.01	2R3	4	0	6,257,005:03:0
2015	1	289	19:22:46.800		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 2844.97 +/- 6	2R3	4	0	6,257,005:08:0
2016	1	289	19:22:51.466	175IM176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,257,005:15:0
2017	1	289	19:22:52.066		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *2910.97 +/- 6	2R3	4	0	6,257,005:15:9
2018	1	289	19:22:52.066		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 2910.97 +/- 7	2R3	4	0	6,257,005:15:9
2019	1	289	19:22:52.133	118IM110A111A4B	7STRP	0.004,0.0,0,0,0,	Slew =,2.01	2R3	4	0	6,257,005:16:0
2020	1	289	19:22:55.466	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,257,005:21:0
2021	1	289	19:22:55.466		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *2994.64 +/- 7	2R3	4	0	6,257,005:21:0
2022	1	289	19:22:58.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3006.14 +/- 7	2R3	4	0	6,257,005:25:1
2023	1	289	19:23:00.800	118IM110A111A4C	7STRP	-0.004,0.0,26,0,	Slew =,2.01	2R3	4	0	6,257,005:29:0
2024	1	289	19:23:06.133	175JM422A6A	6DMSC	R806,1	DMS Control	2R3	4	0	6,257,005:37:0
2025	1	289	19:23:06.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3006.14 +/- 7	2R3	4	0	6,257,005:37:0
2026	1	289	19:23:09.466	118IM110A111A4D	7STRP	0.004,0.0,0,0,0,	Slew =,2.01	2R3	4	0	6,257,005:42:0
2027	1	289	19:23:12.800		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 3006.14 +/- 7	2R3	4	0	6,257,005:47:0
2028	1	289	19:23:17.466	175JM176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,257,005:54:0
2029	1	289	19:23:18.066		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *3072.14 +/- 7	2R3	4	0	6,257,005:54:9
2030	1	289	19:23:18.066		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 3072.14 +/- 7	2R3	4	0	6,257,005:54:9
2031	1	289	19:23:18.133	118IM110A111A4E	7STRP	-0.004,0.0,26,0,	Slew =,2.01	2R3	4	0	6,257,005:55:0
2032	1	289	19:23:21.466		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *3155.81 +/- 7	2R3	4	0	6,257,005:60:0
2033	1	289	19:23:21.466	175JM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,257,005:60:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2034	1	289	19:23:24.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3167.31 +/- 7	2R3	4	0	6,257,005:64:1
2035	1	289	19:23:26.800	118IM11A	SMOS	GE		2R3	4	0	6,257,005:68:0
2036	1	289	20:47:36.800	165IT4A	7SCAN	NORM,85.101999,2	Check S/P Position	2R3	4	0	6,257,088:90:0
2037	1	289	20:50:36.133	175IT422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	6,257,091:86:0
2038	1	289	20:50:36.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3167.31 +/- 7	2R3	4	0	6,257,091:86:0
2039	1	289	20:50:38.133	165IT4B	7VECT		Inert vect update UTC	2R3	4	0	6,257,091:89:0
2040	1	289	20:50:42.800		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3167.31 +/- 7	2R3	4	0	6,257,092:05:0
2041	1	289	20:50:46.133	175IT176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	6,257,092:10:0
2042	1	289	20:50:46.800		DMS:	: *RECORD	R115, TRACK 1, FWD, TIC *3173.61 +/- 7	2R3	4	0	6,257,092:11:0
2043	1	289	20:50:46.800		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3173.61 +/- 7	2R3	4	0	6,257,092:11:0
2044	1	289	20:51:18.800	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,257,092:59:0
2045	1	289	20:51:18.800		DMS:	: *RUNDOWN	R115, TRACK 1, FWD, TIC *3286.11 +/- 7	2R3	4	0	6,257,092:59:0
2046	1	289	20:51:20.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3287.11 +/- 7	2R3	4	0	6,257,092:60:8
2047	**1**	**289**	**21:00:05.400**	**32NNGLOBAL01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2048	**1**	**289**	**21:00:09.466**	**20DK5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,257,101:36:0**
2049	**1**	**289**	**21:00:12.800**	**20DK5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,257,101:41:0**
2050	**1**	**289**	**21:00:16.133**	**20DK6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,257,101:46:0**
2051	**1**	**289**	**21:00:26.133**	**20DK6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,257,101:61:0**
2052	**1**	**289**	**21:00:36.133**	**20DK5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,257,101:76:0**
2053	**1**	**289**	**21:00:39.466**	**20DK5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,257,101:81:0**
2054	**1**	**289**	**21:02:40.800**	**20DK4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,257,103:81:0**
2055	**1**	**289**	**21:03:05.566**	**32NNGLOBAL01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
2056	**1**	**289**	**21:03:43.400**	**32JNGLOBAL01-**		**-----START------**		**2R0**	**4**	**0**	**: :**
2057	**1**	**289**	**21:03:43.466**	**127DK4A**	**37IOP**	**7,0**	**Fixed Map, Grating Start Position =00**	**2R7**	**4**	**0**	**6,257,104:84:0**
2058	1	289	21:03:43.466	127DK	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	0	6,257,104:84:0
2059	**1**	**289**	**21:03:44.133**	**127DK4B**	**37ETB**	**07,C7,18,3C,D7,0**	**Loads wavelength edit table**	**2R7**	**4**	**0**	**6,257,104:85:0**
2060	1	289	21:03:52.133	127DK11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	0	6,257,105:06:0
2061	1	289	21:08:50.800	165DK4A	**7SCAN**	**NORM,77.304999,2**	**Check S/P Position**	2R7	4	0	6,257,109:90:0
2062	1	289	21:12:44.800	117DK	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	0	6,257,113:77:0
2063	1	289	21:12:54.133	117DK105A106A4A	**7STRP**	**0.120072,0.02302**	**Slew =,0.76**	2R7	4	0	6,257,114:00:0
2064	1	289	21:13:26.133	175DK422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R7	4	0	6,257,114:48:0
2065	1	289	21:13:26.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3287.11 +/- 7	2R7	4	0	6,257,114:48:0
2066	1	289	21:13:32.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3287.11 +/- 7	2R7	4	0	6,257,114:58:0
2067	1	289	21:13:34.133	175DK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	0	6,257,114:60:0
2068	1	289	21:13:34.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3287.23 +/- 7	2R7	4	0	6,257,114:60:1
2069	1	289	21:13:34.200		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3287.23 +/- 7	2R7	4	0	6,257,114:60:1
2070	**1**	**289**	**21:13:34.800**	**32JNGLOBAL01-**	**NIMPBK**	**301EK**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**
2071	1	289	21:15:00.133	480SC6A	6MROH	44,23E8,0,A10	read from LLM2A44,23E8,0,A1	2R7	4	0	6,257,116:07:0
2072	1	289	21:15:41.466	117DK105A106A4B	**7STRP**	**-0.117435,-0.031**	**Slew =12.01**	2R7	4	0	6,257,116:69:0
2073	1	289	21:16:02.133	117DK105A106A4C	**7STRP**	**0.120072,0.02302**	**Slew =,0.76**	2R7	4	0	6,257,117:09:0
2074	1	289	21:16:20.133	480SC6B	6MROH	45,23E8,0,B10	read from LLM2B45,23E8,0,B1	2R7	4	0	6,257,117:36:0
2075	1	289	21:18:49.466	117DK105A106A4D	**7STRP**	**-0.117435,-0.031**	**Slew =12.01**	2R7	4	0	6,257,119:78:0
2076	1	289	21:19:10.133	117DK105A106A4E	**7STRP**	**0.120072,0.02302**	**Slew =,0.76**	2R7	4	0	6,257,120:18:0
2077	1	289	21:21:57.466	117DK105A106A4F	**7STRP**	**-0.117435,-0.031**	**Slew =12.01**	2R7	4	0	6,257,122:87:0
2078	1	289	21:22:18.133	117DK105A106A4G	**7STRP**	**0.120072,0.02302**	**Slew =,0.76**	2R7	4	0	6,257,123:27:0
2079	1	289	21:25:05.466	117DK105A106A4H	**7STRP**	**-0.117435,-0.031**	**Slew =12.01**	2R7	4	0	6,257,126:05:0
2080	1	289	21:25:26.133	117DK105A106A4I	**7STRP**	**0.120072,0.02302**	**Slew =,0.76**	2R7	4	0	6,257,126:36:0
2081	1	289	21:28:13.466	117DK105A106A4J	**7STRP**	**-0.117435,-0.031**	**Slew =12.01**	2R7	4	0	6,257,129:14:0
2082	**1**	**289**	**21:28:22.133**	**32JNGLOBAL01-**	**DESELC**	**300EK**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**
2083	**1**	**289**	**21:28:28.133**	**32JNGLOBAL01-**	**NIMPBK**	**301DK**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**
2084	1	289	21:28:34.133	117DK105A106A4K	**7STRP**	**0.120072,0.02302**	**Slew =,0.76**	2R7	4	0	6,257,129:45:0
2085	1	289	21:31:21.466	117DK105A106A4L	**7STRP**	**-0.117435,-0.031**	**Slew =12.01**	2R7	4	0	6,257,132:23:0
2086	1	289	21:31:42.133	117DK105A106A4M	**7STRP**	**0.120072,0.02302**	**Slew =,0.76**	2R7	4	0	6,257,132:54:0
2087	1	289	21:34:29.466	117DK105A106A4N	**7STRP**	**-0.117435,-0.031**	**Slew =12.01**	2R7	4	0	6,257,135:32:0
2088	1	289	21:34:50.133	117DK105A106A4O	**7STRP**	**0.120072,0.02302**	**Slew =,0.76**	2R7	4	0	6,257,135:63:0

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Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2089	1	289	21:37:37.466	117DK105A106A4P	7STRP	-0.117435,-0.031	Slew =12.01	2R7	4	0	6,257,138:41:0	
2090	1	289	21:37:58.133	117DK105A106A4Q	7STRP	0.120072,0.02302	Slew =,0.76	2R7	4	0	6,257,138:72:0	
2091	1	289	21:40:45.466	117DK105A106A4R	7STRP	-0.117435,-0.031	Slew =12.01	2R7	4	0	6,257,141:50:0	
2092	1	289	21:41:06.133	117DK105A106A4S	7STRP	0.120072,0.02302	Slew =,0.76	2R7	4	0	6,257,141:81:0	
2093	1	289	21:43:53.466	117DK105A106A4T	7STRP	-0.117435,-0.031	Slew =12.01	2R7	4	0	6,257,144:59:0	
2094	1	289	21:44:14.133	117DK105A106A4U	7STRP	0.120072,0.02302	Slew =,0.76	2R7	4	0	6,257,144:90:0	
2095	1	289	21:47:01.466	117DK105A106A4V	7STRP	-0.117435,-0.031	Slew =12.01	2R7	4	0	6,257,147:68:0	
2096	1	289	21:47:22.133	117DK105A106A4W	7STRP	0.120072,0.02302	Slew =,0.76	2R7	4	0	6,257,148:08:0	
2097	1	289	21:50:09.466	117DK105A106A4X	7STRP	-0.117435,-0.031	Slew =12.01	2R7	4	0	6,257,150:77:0	
2098	1	289	21:50:30.133	117DK105A106A4Y	7STRP	0.120072,0.02302	Slew =,0.76	2R7	4	0	6,257,151:17:0	
2099	**1**	**289**	**21:52:46.800**	**32JNGLOBAL01-**	**DESELC**	**300DK**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
2100	1	289	21:52:48.800		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *3839.09 +/- 7	2R7	4	0	6,257,153:43:0	
2101	1	289	21:52:48.800	175DK6A	6TMREC	NRC	NO RECORD Record Mode Change	2R7	4	0	6,257,153:43:0	
2102	1	289	21:52:48.800	175DK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	6,257,153:43:0	
2103	1	289	21:52:50.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3839.15 +/- 7	2R7	4	0	6,257,153:44:8	
2104	1	289	21:53:17.466	117DK11A	CSMOS	GE	***** GROUP END CSMOS	2R7	4	0	6,257,153:86:0	
2105	**1**	**289**	**21:53:17.566**	**32JNGLOBAL01-**		**-----STOP-------**		**2R7**	**4**	**0**	**: :**	
2106	1	289	22:26:32.800	488AN6A	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2R7	4	0	6,257,186:76:0	
2107	1	289	22:50:04.066	20WG4A	7SAFE	UNSTOW	S/P TO 153 deg cone	2R7	4	0	6,257,210:09:0	
2108	1	289	23:00:40.733	488AN6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R7	4	0	6,257,220:54:0	
2109	1	289	23:47:22.066	488AN6C	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2R7	4	0	6,257,266:70:0	
2110	1	290	00:31:01.400	488AN6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R7	4	0	6,257,309:86:0	
2111	1	290	01:00:00.066	481UA4A	7VECT		Inert vect update UTC	2R7	4	0	6,257,338:55:0	
2112	**1**	**290**	**02:42:30.000**	**32JNGLOBAL02-**		**-----START------**		**2R7**	**4**	**0**	**: :**	
2113	1	290	02:42:30.733	165DL4A	7SCAN	NORM,85.658,22.8	Check S/P Position	2R7	4	0	6,257,439:90:0	
2114	**1**	**290**	**02:43:52.000**	**32NNGLOBAL02-**		**-----START------**		**2R7**	**4**	**0**	**: :**	
2115	**1**	**290**	**02:43:56.066**	**20DL5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,257,441:36:0**	
2116	**1**	**290**	**02:43:59.400**	**20DL5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,257,441:41:0**	
2117	**1**	**290**	**02:44:02.733**	**20DL6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,257,441:46:0**	
2118	**1**	**290**	**02:44:12.733**	**20DL6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,257,441:61:0**	
2119	**1**	**290**	**02:44:22.733**	**20DL5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,257,441:76:0**	
2120	**1**	**290**	**02:44:26.066**	**20DL5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,257,441:81:0**	
2121	**1**	**290**	**02:45:26.733**	**20DL4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,257,442:81:0**	
2122	1	290	02:46:24.733	117DL	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	6,257,443:77:0	
2123	1	290	02:46:29.400	127DL	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	6,257,443:84:0	
2124	**1**	**290**	**02:46:29.400**	**127DL4A**	**37IOP**	**7,0**	**Fixed Map, Grating Start Position =00**	**2R7**	**4**	**0**	**6,257,443:84:0**	
2125	**1**	**290**	**02:46:30.066**	**127DL4B**	**37ETB**	**07,C7,18,3C,D7,0**	**Loads wavelength edit table**	**2R7**	**4**	**0**	**6,257,443:85:0**	
2126	1	290	02:46:34.066	117DL105A106A4A	7STRP	0.107916,-0.0060	Slew =,0.76	2R7	4	0	6,257,444:00:0	
2127	1	290	02:46:38.066	127DL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	0	6,257,444:06:0	
2128	**1**	**290**	**02:46:52.166**	**32NNGLOBAL02-**		**-----STOP-------**		**2R7**	**4**	**0**	**: :**	
2129	1	290	02:47:00.066	175DL422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R7	4	0	6,257,444:39:0	
2130	1	290	02:47:00.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3839.15 +/- 7	2R7	4	0	6,257,444:39:0	
2131	1	290	02:47:06.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3839.15 +/- 7	2R7	4	0	6,257,444:49:0	
2132	1	290	02:47:08.066	175DL176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	0	6,257,444:51:0	
2133	1	290	02:47:08.133		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *3839.27 +/- 7	2R7	4	0	6,257,444:51:1	
2134	1	290	02:47:08.133		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3839.27 +/- 7	2R7	4	0	6,257,444:51:1	
2135	**1**	**290**	**02:47:08.733**	**32JNGLOBAL02-**	**NIMPBK**	**301DL**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
2136	1	290	02:49:21.400	117DL105A106A4B	7STRP	-0.106399,0.0137	Slew =12.01	2R7	4	0	6,257,446:69:0	
2137	1	290	02:49:42.733	117DL105A106A4C	7STRP	0.107916,-0.0060	Slew =,0.76	2R7	4	0	6,257,447:10:0	
2138	1	290	02:52:30.066	117DL105A106A4D	7STRP	-0.106399,0.0137	Slew =12.01	2R7	4	0	6,257,449:79:0	
2139	1	290	02:52:51.400	117DL105A106A4E	7STRP	0.107916,-0.0060	Slew =,0.76	2R7	4	0	6,257,450:20:0	
2140	1	290	02:55:38.733	117DL105A106A4F	7STRP	-0.106399,0.0137	Slew =12.01	2R7	4	0	6,257,452:89:0	
2141	1	290	02:56:00.066	117DL105A106A4G	7STRP	0.107916,-0.0060	Slew =,0.76	2R7	4	0	6,257,453:30:0	
2142	1	290	02:58:47.400	117DL105A106A4H	7STRP	-0.106399,0.0137	Slew =12.01	2R7	4	0	6,257,456:08:0	
2143	1	290	02:59:08.733	117DL105A106A4I	7STRP	0.107916,-0.0060	Slew =,0.76	2R7	4	0	6,257,456:40:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2144	1	290	03:01:56.066	117DL105A106A4J	7STRP	-0.106399,0.0137	Slew =12.01	2R7	4	0	6,257,459:18:0	
2145	1	290	03:02:17.400	117DL105A106A4K	7STRP	0.107916,-0.0060	Slew =,0.76	2R7	4	0	6,257,459:50:0	
2146	1	290	03:05:04.733	117DL105A106A4L	7STRP	-0.106399,0.0137	Slew =12.01	2R7	4	0	6,257,462:28:0	
2147	1	290	03:05:26.066	117DL105A106A4M	7STRP	0.107916,-0.0060	Slew =,0.76	2R7	4	0	6,257,462:60:0	
2148	1	290	03:08:13.400	117DL105A106A4N	7STRP	-0.106399,0.0137	Slew =12.01	2R7	4	0	6,257,465:38:0	
2149	**1**	**290**	**03:08:17.400**	**32JNGLOBAL02-**	**DESELC**	**300DL**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
2150	**1**	**290**	**03:08:28.733**	**32JNGLOBAL02-**	**NIMPBK**	**301EL**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
2151	1	290	03:08:34.733	117DL105A106A4O	7STRP	0.107916,-0.0060	Slew =,0.76	2R7	4	0	6,257,465:70:0	
2152	1	290	03:11:22.066	117DL105A106A4P	7STRP	-0.106399,0.0137	Slew =12.01	2R7	4	0	6,257,468:48:0	
2153	1	290	03:11:43.400	117DL105A106A4Q	7STRP	0.107916,-0.0060	Slew =,0.76	2R7	4	0	6,257,468:80:0	
2154	1	290	03:14:30.733	117DL105A106A4R	7STRP	-0.106399,0.0137	Slew =12.01	2R7	4	0	6,257,471:58:0	
2155	1	290	03:14:52.066	117DL105A106A4S	7STRP	0.107916,-0.0060	Slew =,0.76	2R7	4	0	6,257,471:90:0	
2156	1	290	03:17:39.400	117DL105A106A4T	7STRP	-0.106399,0.0137	Slew =12.01	2R7	4	0	6,257,474:68:0	
2157	1	290	03:18:00.733	117DL105A106A4U	7STRP	0.107916,-0.0060	Slew =,0.76	2R7	4	0	6,257,475:09:0	
2158	1	290	03:20:48.066	117DL105A106A4V	7STRP	-0.106399,0.0137	Slew =12.01	2R7	4	0	6,257,477:78:0	
2159	1	290	03:21:09.400	117DL105A106A4W	7STRP	0.107916,-0.0060	Slew =,0.76	2R7	4	0	6,257,478:19:0	
2160	**1**	**290**	**03:22:46.066**	**32JNGLOBAL02-**	**DESELC**	**300EL**	**JUPITER GLOBAL OBSERVATION**	**2R7**	**4**	**0**	**: :**	
2161	1	290	03:22:48.066	175DL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	6,257,479:76:0	
2162	1	290	03:22:48.066	175DL6A	6TMREC	NRC	NO RECORD Record Mode Change	2R7	4	0	6,257,479:76:0	
2163	1	290	03:22:48.066		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *4340.82 +/- 7	2R7	4	0	6,257,479:76:0	
2164	1	290	03:22:49.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4340.88 +/- 7	2R7	4	0	6,257,479:77:8	
2165	1	290	03:23:56.733	117DL11A	CSMOS	GE	***** GROUP END CSMOS	2R7	4	0	6,257,480:88:0	
2166	**1**	**290**	**03:23:56.833**	**32JNGLOBAL02-**		**-----STOP-------**		**2R7**	**4**	**0**	**: :**	
2167	1	290	03:25:04.066	20WH4A	7SAFE	UNSTOW	S/P TO 153 deg cone	2R7	4	0	6,257,482:07:0	
2168	1	290	03:35:04.066	20UP4A	7SAFE	STOP	S/P NO MOVEMENT	2R7	4	0	6,257,491:88:0	
2169	1	290	03:35:54.066	20UP4B	7SLEW	DIS,POS,0.0	Stator movement	2R7	4	0	6,257,492:72:0	
2170	1	290	04:07:00.066	20RM4I	7MODE	INT	AACS INERTIAL MODE	2R7	4	0	6,257,523:50:0	
2171	1	290	04:22:00.066	20RM4K	7SLEW	INIT,POS,17.45	Stator movement	2R7	4	0	6,257,538:35:0	
2172	1	290	04:34:00.066	20RM4L	7SLEW	DIS,POS,0.0	Stator movement	2R7	4	0	6,257,550:23:0	
2173	1	290	04:41:00.066	20RM4M	7SLEW	INIT,NEG,17.45	Stator movement	2R7	4	0	6,257,557:16:0	
2174	1	290	04:53:00.066	20RM4N	7SLEW	DIS,POS,0.0	Stator movement	2R7	4	0	6,257,569:04:0	
2175	1	290	05:05:00.066	20RM4AH	7MODE	CRU	AACS CRUISE MODE	2R7	4	0	6,257,580:83:0	
2176	1	290	07:42:19.400	488AO6A	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2R7	4	0	6,257,736:46:0	
2177	1	290	08:25:58.733	488AO6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R7	4	0	6,257,779:62:0	
2178	1	290	09:04:24.733	488AO6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2R7	4	0	6,257,817:63:0	
2179	1	290	09:10:56.733	432OV431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R7	4	0	6,257,824:14:0	
2180	1	290	09:10:57.400	432OV6A	6RTSL1		R/T Select of DDS and	2R7	4	0	6,257,824:15:0	
2181	1	290	13:10:00.066	488AO6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R7	4	0	6,258,060:53:0	
2182	1	290	13:52:45.400	488AP6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R7	4	0	6,258,102:79:0	
2183	1	290	13:56:40.733	488AP6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R7	4	0	6,258,106:68:0	
2184	1	290	16:04:20.066	192GS4A	7CONE	9.0,0.0	Check S/P Position	2R7	4	0	6,258,233:00:0	
2185	1	290	16:11:24.733	176GS6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R7	4	0	6,258,240:00:0	
2186	1	290	16:13:39.400	176GS6B	6TMREC	NRC	NO RECORD Record Mode Change	2R7	4	0	6,258,242:20:0	
2187	1	290	16:13:41.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4340.88 +/- 7	2R7	4	0	6,258,242:23:0	
2188	1	290	16:13:41.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	0	6,258,242:23:0	
2189	1	290	16:13:48.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4340.88 +/- 7	2R7	4	0	6,258,242:33:0	
2190	1	290	16:13:49.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *4341.00 +/- 7	2R7	4	0	6,258,242:35:1	
2191	1	290	16:13:51.400		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *4341.45 +/- 7	2R7	4	0	6,258,242:38:0	
2192	1	290	16:14:02.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	6,258,242:55:0	
2193	1	290	16:14:02.733		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *4344.10 +/- 7	2R7	4	0	6,258,242:55:0	
2194	1	290	16:14:03.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4344.16 +/- 7	2R7	4	0	6,258,242:56:8	
2195	1	290	16:16:28.066	192GS4B	7CONE	9.0,90.0	Check S/P Position	2R7	4	0	6,258,245:00:0	
2196	1	290	16:25:04.066	20WI4A	7SAFE	UNSTOW	S/P TO 153 deg cone	2R7	4	0	6,258,253:46:0	
2197	1	290	20:59:34.733	411JA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	0	6,258,525:00:0	
2198	1	290	20:59:34.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4344.16 +/- 7	2R7	4	0	6,258,525:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2199	1	290	20:59:41.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4344.16 +/- 7	2R7	4	0	6,258,525:10:0
2200	1	290	20:59:42.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4344.28 +/- 7	2R7	4	0	6,258,525:12:1
2201	1	290	20:59:42.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4344.28 +/- 7	2R7	4	0	6,258,525:12:1
2202	1	290	20:59:44.733	411JA6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R7	4	0	6,258,525:15:0
2203	1	290	21:01:46.066	411JA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	0	6,258,527:15:0
2204	1	290	21:01:46.733	411JA6D	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	0	6,258,527:16:0
2205	1	290	21:01:46.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4373.33 +/- 7	2R7	4	0	6,258,527:16:0
2206	1	290	21:01:47.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4373.39 +/- 7	2R7	4	0	6,258,527:17:8
2207	**1**	**290**	**21:28:28.700**	**32NNRELOAD01-**		**-----START------**		**2R7**	**4**	**0**	**: :**
2208	**1**	**290**	**21:28:34.066**	**20FN5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,258,553:61:0**
2209	**1**	**290**	**21:28:37.400**	**20FN5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,258,553:66:0**
2210	**1**	**290**	**21:28:40.733**	**20FN6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,258,553:71:0**
2211	**1**	**290**	**21:28:50.733**	**20FN6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,258,553:86:0**
2212	**1**	**290**	**21:29:04.733**	**20FN5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,258,554:16:0**
2213	**1**	**290**	**21:29:08.066**	**20FN5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,258,554:21:0**
2214	**1**	**290**	**21:29:48.066**	**20FN4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**6,258,554:81:0**
2215	**1**	**290**	**21:30:50.733**	**127FN4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**6,258,555:84:0**
2216	1	290	21:30:50.733	127FN	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	6,258,555:84:0
2217	**1**	**290**	**21:30:51.400**	**127FN4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**6,258,555:85:0**
2218	1	290	21:30:59.400	127FN11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,258,556:06:0
2219	**1**	**290**	**21:31:28.833**	**32NNRELOAD01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2220	**1**	**290**	**21:35:54.000**	**32NNCHOPOF01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2221	1	290	21:35:54.066	127FO	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	6,258,560:84:0
2222	**1**	**290**	**21:35:54.066**	**127FO4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**2R0**	**4**	**0**	**6,258,560:84:0**
2223	**1**	**290**	**21:35:54.733**	**127FO4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**2R0**	**4**	**0**	**6,258,560:85:0**
2224	1	290	21:36:02.733	127FO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R0	4	0	6,258,561:06:0
2225	1	290	21:38:56.066	125FN	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	6,258,563:84:0
2226	**1**	**290**	**21:38:56.066**	**125FN4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**6,258,563:84:0**
2227	**1**	**290**	**21:39:56.733**	**125FN4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**2O0**	**4**	**0**	**6,258,564:84:0**
2228	1	290	21:40:57.400	125FN11A	NIMSINIT	GE	##### GROUP END INIT	2O0	4	0	6,258,565:84:0
2229	**1**	**290**	**21:40:57.400**	**125FN4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2O0**	**4**	**0**	**6,258,565:84:0**
2230	**1**	**290**	**21:40:57.500**	**32NNCHOPOF01-**		**-----STOP-------**		**2O0**	**4**	**0**	**: :**
2231	1	291	03:55:08.733	411JB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,258,936:00:0
2232	1	291	03:55:08.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4373.39 +/- 7	2O0	4	0	6,258,936:00:0
2233	1	291	03:55:15.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4373.39 +/- 7	2O0	4	0	6,258,936:10:0
2234	1	291	03:55:16.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4373.51 +/- 7	2O0	4	0	6,258,936:12:1
2235	1	291	03:55:16.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4373.51 +/- 7	2O0	4	0	6,258,936:12:1
2236	1	291	03:55:18.733	411JB6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	6,258,936:15:0
2237	1	291	03:57:20.066	411JB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,258,938:15:0
2238	1	291	03:57:20.733	411JB6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,258,938:16:0
2239	1	291	03:57:20.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4402.56 +/- 7	2O0	4	0	6,258,938:16:0
2240	1	291	03:57:21.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4402.62 +/- 7	2O0	4	0	6,258,938:17:8
2241	1	291	04:40:00.066	488AQ6A	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,258,980:33:0
2242	1	291	06:01:12.733	488AQ6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,259,060:62:0
2243	1	291	06:11:36.733	488AQ6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,259,070:88:0
2244	1	291	07:11:20.733	488AQ6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	6,259,130:04:0
2245	1	291	09:00:00.000	480SD6A	6MROH	44,23E8,0,A10	read from LLM2A44,23E8,0,A1	2O0	4	0	6,259,237:46:0
2246	1	291	09:01:20.000	480SD6B	6MROH	45,23E8,0,B10	read from LLM2B45,23E8,0,B1	2O0	4	0	6,259,238:75:0
2247	1	291	13:53:54.000	488AR6A	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	2O0	4	0	6,259,528:16:0
2248	1	291	13:58:48.666	488AR6B	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,259,533:03:0
2249	1	291	14:54:55.333	488AR6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,259,588:48:0
2250	1	291	15:26:16.666	488AR6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	6,259,619:49:0
2251	1	291	16:02:52.666	20II6B	6MCOPY	HLM1A,E700,B1A1A	HLM1A,E700,B1A1A,5D2F,5DC	2O0	4	0	6,259,655:67:0
2252	1	291	16:14:45.333	165IO4A	7SCAN	NORM,113.752,23.	Check S/P Position	2O0	4	0	6,259,667:44:0
2253	1	291	16:18:42.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4402.62 +/- 7	2O0	4	0	6,259,671:35:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2254	1	291	16:18:42.000	175IO422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,259,671:35:0
2255	1	291	16:18:47.333	165IO4B	7VECT		Inert vect update UTC	2O0	4	0	6,259,671:43:0
2256	1	291	16:18:48.666		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4402.62 +/- 7	2O0	4	0	6,259,671:45:0
2257	1	291	16:18:52.000	175IO176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,259,671:50:0
2258	1	291	16:18:52.666		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4408.92 +/- 7	2O0	4	0	6,259,671:51:0
2259	1	291	16:18:52.666		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4408.92 +/- 7	2O0	4	0	6,259,671:51:0
2260	1	291	16:20:44.666		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4802.67 +/- 7	2O0	4	0	6,259,673:37:0
2261	1	291	16:20:44.666	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,259,673:37:0
2262	1	291	16:20:45.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4803.67 +/- 7	2O0	4	0	6,259,673:38:8
2263	1	291	16:23:06.000	20IJ6B	6MCOPY	HLM1A,E700,B1A1A	HLM1A,E700,B1A1A,5D2F,5DC	2O0	4	0	6,259,675:67:0
2264	1	291	16:34:58.666	165IP4A	7SCAN	NORM,113.855,23.	Check S/P Position	2O0	4	0	6,259,687:44:0
2265	1	291	16:38:36.000	118IP	**SMOS**	GS		2O0	4	0	6,259,691:06:0
2266	1	291	16:38:55.333	175IP422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,259,691:35:0
2267	1	291	16:38:55.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4803.67 +/- 7	2O0	4	0	6,259,691:35:0
2268	1	291	16:39:00.666	165IP4B	7VECT		Inert vect update UTC	2O0	4	0	6,259,691:43:0
2269	1	291	16:39:02.000		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4803.67 +/- 7	2O0	4	0	6,259,691:45:0
2270	1	291	16:39:05.333	175IP176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,259,691:50:0
2271	1	291	16:39:06.000	118IP110A111A4A	7STRP	0.0061,-0.00104,	Slew =2,3.1	2O0	4	0	6,259,691:51:0
2272	1	291	16:39:06.000		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4809.97 +/- 7	2O0	4	0	6,259,691:51:0
2273	1	291	16:39:06.000		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4809.97 +/- 7	2O0	4	0	6,259,691:51:0
2274	1	291	16:39:36.666	118IP11A	**SMOS**	GE		2O0	4	0	6,259,692:06:0
2275	1	291	16:40:03.333		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5011.53 +/- 7	2O0	4	0	6,259,692:46:0
2276	1	291	16:40:03.333	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,259,692:46:0
2277	1	291	16:40:04.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5012.53 +/- 7	2O0	4	0	6,259,692:47:8
2278	1	291	17:23:46.000	20IK6B	6MCOPY	HLM1A,E700,B1A1A	HLM1A,E700,B1A1A,5D2F,5DC	2O0	4	0	6,259,735:67:0
2279	1	291	17:38:40.666	165IQ4A	7SCAN	NORM,113.278999,	Check S/P Position	2O0	4	0	6,259,750:44:0
2280	1	291	17:39:16.000	118IQ	**SMOS**	GS		2O0	4	0	6,259,751:06:0
2281	1	291	17:39:35.333	175IQ422A6A	6DMSC	R115,1	DMS Control	2O0	4	0	6,259,751:35:0
2282	1	291	17:39:35.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5012.53 +/- 7	2O0	4	0	6,259,751:35:0
2283	1	291	17:39:40.666	165IQ4B	7VECT		Inert vect update UTC	2O0	4	0	6,259,751:43:0
2284	1	291	17:39:42.000		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5012.53 +/- 7	2O0	4	0	6,259,751:45:0
2285	1	291	17:39:45.333	175IQ176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,259,751:50:0
2286	1	291	17:39:46.000	118IQ110A111A4A	7STRP	0.0061,-0.00114,	Slew =2,3.3	2O0	4	0	6,259,751:51:0
2287	1	291	17:39:46.000		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5018.83 +/- 7	2O0	4	0	6,259,751:51:0
2288	1	291	17:39:46.000		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5018.83 +/- 7	2O0	4	0	6,259,751:51:0
2289	1	291	17:40:16.666	118IQ110A111A4B	7STRP	-0.0061,0.00114,	Slew =0,3.3	2O0	4	0	6,259,752:06:0
2290	1	291	17:40:47.333	118IQ110A111A4C	7STRP	0.0061,-0.00114,	Slew =2,3.3	2O0	4	0	6,259,752:52:0
2291	1	291	17:41:18.000	118IQ110A111A4D	7STRP	-0.0061,0.00114,	Slew =0,3.3	2O0	4	0	6,259,753:07:0
2292	1	291	17:41:48.666	118IQ110A111A4E	7STRP	0.0061,-0.00114,	Slew =2,3.3	2O0	4	0	6,259,753:53:0
2293	1	291	17:42:19.333	118IQ110A111A4F	7STRP	-0.0061,0.00114,	Slew =0,3.3	2O0	4	0	6,259,754:08:0
2294	1	291	17:42:50.000	118IQ110A111A4G	7STRP	0.0061,-0.00114,	Slew =2,3.3	2O0	4	0	6,259,754:54:0
2295	1	291	17:43:20.666	118IQ11A	**SMOS**	GE		2O0	4	0	6,259,755:09:0
2296	1	291	17:43:45.333		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5860.24 +/- 7	2O0	4	0	6,259,755:46:0
2297	1	291	17:43:45.333	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,259,755:46:0
2298	1	291	17:43:46.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5861.24 +/- 7	2O0	4	0	6,259,755:47:8
2299	1	291	18:09:32.000	465KF6A	6DMSC	RDY,2	DMS Control Tape stop	2O0	4	0	6,259,781:00:0
2300	1	291	18:09:32.000		DMS:	: READY	RDY, TRACK *2, *REV, TIC 5861.24 +/- 7	2O0	4	0	6,259,781:00:0
2301	1	291	18:24:26.000	20IL6B	6MCOPY	HLM1A,E700,B1A1A	HLM1A,E700,B1A1A,5D2F,5DC	2O0	4	0	6,259,795:67:0
2302	1	291	18:39:20.666	165IR4A	7SCAN	NORM,112.551,23.	Check S/P Position	2O0	4	0	6,259,810:44:0
2303	1	291	18:39:56.000	118IR	**SMOS**	GS		2O0	4	0	6,259,811:06:0
2304	1	291	18:40:14.000	175IR422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2O0	4	0	6,259,811:33:0
2305	1	291	18:40:14.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5861.24 +/- 7	2O0	4	0	6,259,811:33:0
2306	1	291	18:40:15.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5861.36 +/- 7	2O0	4	0	6,259,811:35:1
2307	1	291	18:40:20.666	165IR4B	7VECT		Inert vect update UTC	2O0	4	0	6,259,811:43:0
2308	1	291	18:40:20.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5862.59 +/- 7	2O0	4	0	6,259,811:43:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2309	1	291	18:40:21.866		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5862.65 +/- 7	2O0	4	0	6,259,811:44:8
2310	1	291	18:40:25.333	175IR176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,259,811:50:0
2311	1	291	18:40:25.866		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5856.35 +/- 7	2O0	4	0	6,259,811:50:8
2312	1	291	18:40:25.866		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5856.35 +/- 7	2O0	4	0	6,259,811:50:8
2313	1	291	18:40:26.000	118IR110A111A4A	7STRP	0.0061,-0.00117,	Slew =2,3.6	2O0	4	0	6,259,811:51:0
2314	1	291	18:40:56.666	118IR110A111A4B	7STRP	-0.0061,0.00117,	Slew =0,3.6	2O0	4	0	6,259,812:06:0
2315	1	291	18:41:27.333	118IR110A111A4C	7STRP	0.0061,-0.00117,	Slew =2,3.6	2O0	4	0	6,259,812:52:0
2316	1	291	18:41:58.000	118IR110A111A4D	7STRP	-0.0061,0.00117,	Slew =0,3.6	2O0	4	0	6,259,813:07:0
2317	1	291	18:42:28.666	118IR110A111A4E	7STRP	0.0061,-0.00117,	Slew =2,3.6	2O0	4	0	6,259,813:53:0
2318	1	291	18:42:59.333	118IR11A	**SMOS**	GE		2O0	4	0	6,259,814:08:0
2319	1	291	18:43:24.666		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5227.76 +/- 7	2O0	4	0	6,259,814:46:0
2320	1	291	18:43:24.666	175IR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,259,814:46:0
2321	1	291	18:43:25.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5226.76 +/- 7	2O0	4	0	6,259,814:47:8
2322	1	291	18:45:04.000	20WJ4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,259,816:13:0
2323	1	291	21:58:48.666	488AS6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,260,007:69:0
2324	1	291	22:22:16.666	488AS6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,260,030:88:0
2325	1	291	22:45:44.666	488AS6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,260,054:16:0
2326	1	291	23:47:02.000	488AS6D	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,260,114:72:0
2327	1	292	00:20:41.333	488AS6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,260,148:07:0
2328	1	292	02:45:56.666	20IM6B	6MCOPY	HLM1A,E700,B1A1A	HLM1A,E700,B1A1A,5D2F,5DC	2O0	4	0	6,260,291:67:0
2329	1	292	02:56:48.666	165IS4A	7SCAN	NORM,120.554,21.	Check S/P Position	2O0	4	0	6,260,302:44:0
2330	1	292	03:00:50.666	165IS4B	7VECT		Inert vect update UTC	2O0	4	0	6,260,306:43:0
2331	1	292	03:01:14.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5226.76 +/- 7	2O0	4	0	6,260,306:78:0
2332	1	292	03:01:14.000	175IS422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2O0	4	0	6,260,306:78:0
2333	1	292	03:01:15.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5226.88 +/- 7	2O0	4	0	6,260,306:80:1
2334	1	292	03:01:16.666	118IS	**SMOS**	GS		2O0	4	0	6,260,306:82:0
2335	1	292	03:01:20.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5228.11 +/- 7	2O0	4	0	6,260,306:88:0
2336	1	292	03:01:21.866		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5228.17 +/- 7	2O0	4	0	6,260,306:89:8
2337	1	292	03:01:25.333	175IS176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,260,307:04:0
2338	1	292	03:01:25.866		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5221.87 +/- 7	2O0	4	0	6,260,307:04:8
2339	1	292	03:01:25.866		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5221.87 +/- 8	2O0	4	0	6,260,307:04:8
2340	1	292	03:01:26.666	118IS110A111A4A	7STRP	0.0065,-0.0005,1	Slew =,3.01	2O0	4	0	6,260,307:06:0
2341	1	292	03:01:53.333	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,260,307:46:0
2342	1	292	03:01:53.333		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5125.31 +/- 8	2O0	4	0	6,260,307:46:0
2343	1	292	03:01:54.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5124.31 +/- 8	2O0	4	0	6,260,307:47:8
2344	1	292	03:02:27.333	118IS11A	**SMOS**	GE		2O0	4	0	6,260,308:06:0
2345	1	292	03:03:15.333	175JS422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2O0	4	0	6,260,308:78:0
2346	1	292	03:03:15.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5124.31 +/- 8	2O0	4	0	6,260,308:78:0
2347	1	292	03:03:16.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5124.43 +/- 8	2O0	4	0	6,260,308:80:1
2348	1	292	03:03:22.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5125.66 +/- 8	2O0	4	0	6,260,308:88:0
2349	1	292	03:03:23.200		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5125.72 +/- 8	2O0	4	0	6,260,308:89:8
2350	1	292	03:03:26.666	175JS176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2O0	4	0	6,260,309:04:0
2351	1	292	03:03:27.200		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5119.42 +/- 8	2O0	4	0	6,260,309:04:8
2352	1	292	03:03:27.200		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5119.42 +/- 8	2O0	4	0	6,260,309:04:8
2353	1	292	03:03:55.333	175JS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,260,309:47:0
2354	1	292	03:03:55.333		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5020.52 +/- 8	2O0	4	0	6,260,309:47:0
2355	1	292	03:03:56.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5019.52 +/- 8	2O0	4	0	6,260,309:48:8
2356	1	292	03:12:34.000	20KB4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,260,318:06:0
2357	1	292	04:45:00.000	488AT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,260,409:44:0
2358	1	292	05:31:22.000	488AT6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,260,455:31:0
2359	1	292	12:17:29.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5019.52 +/- 8	2O0	4	0	6,260,857:00:0
2360	1	292	12:17:29.333	411JC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,260,857:00:0
2361	1	292	12:17:30.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5019.64 +/- 8	2O0	4	0	6,260,857:02:1
2362	1	292	12:17:36.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5020.87 +/- 8	2O0	4	0	6,260,857:10:0
2363	1	292	12:17:37.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5020.93 +/- 8	2O0	4	0	6,260,857:11:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2364	1	292	12:17:38.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5020.81 +/- 8	2O0	4	0	6,260,857:13:9	
2365	1	292	12:17:38.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5020.81 +/- 8	2O0	4	0	6,260,857:13:9	
2366	1	292	12:17:39.333	411JC6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	6,260,857:15:0	
2367	1	292	12:19:40.666	411JC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,260,859:15:0	
2368	1	292	12:19:43.333	175TM176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	6,260,859:19:0	
2369	1	292	12:19:44.000	175TM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,260,859:20:0	
2370	1	292	12:19:50.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4989.86 +/- 8	2O0	4	0	6,260,859:30:0	
2371	1	292	12:19:50.666	175TM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,260,859:30:0	
2372	1	292	12:19:51.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4989.80 +/- 8	2O0	4	0	6,260,859:31:8	
2373	1	292	15:51:20.000	20RL4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,261,068:45:0	
2374	1	292	16:10:20.000	20RL4D	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	6,261,087:26:0	
2375	1	292	16:25:05.333	488AU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,261,101:80:0	
2376	1	292	17:41:55.333	488AU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,261,177:79:0	
2377	1	292	18:15:34.666	488AU6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,261,211:14:0	
2378	1	292	18:56:59.933	20RL4F	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,261,252:11:0	
2379	1	292	19:02:59.933	488AU6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,261,258:05:0	
2380	1	292	19:33:59.933	20AA4AA	7STAT	10.00,349.0027,4	Stator inertial point	2O0	4	0	6,261,288:65:0	
2381	1	292	19:34:11.933	20AA6AA	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	2O0	4	0	6,261,288:83:0	
2382	1	292	19:39:59.933	474AA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	6,261,294:59:0	
2383	1	292	19:41:59.933	474AA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,261,296:57:0	
2384	1	292	19:42:19.933	20AA4AD	7STAT	17.45,349.0027,4	Stator inertial point	2O0	4	0	6,261,296:87:0	
2385	1	292	19:46:13.933	474AA416A4E	7BURN	,349.002697,46.0	ALERT -- Thruster fire	2O0	4	0	6,261,300:74:0	
2386	1	292	20:21:37.266	20AA4AI	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,261,335:74:0	
2387	1	292	20:26:29.266	20AA4AJ	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,261,340:57:0	
2388	1	292	22:00:59.933	432AA431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	6,261,434:09:0	
2389	1	292	22:01:00.600	432AA6A	6RTSL1		R/T Select of DDS and	2O0	4	0	6,261,434:10:0	
2390	1	292	22:20:23.266	488AU6E	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,261,453:25:0	
2391	1	292	22:22:16.600	488AV6A	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	2O0	4	0	6,261,455:13:0	
2392	1	292	22:37:12.600	488AV6B	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	2O0	4	0	6,261,469:83:0	
2393	1	293	04:03:23.933	488AV6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	6,261,792:47:0	
2394	1	293	05:24:37.266	488AW6A	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	2O0	4	0	6,261,872:77:0	
2395	1	293	05:53:43.933	488AW6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	6,261,901:58:0	
2396	1	293	07:54:00.600	488AW6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,262,020:54:0	
2397	1	293	08:10:59.933	488AW6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,262,037:36:0	
2398	1	293	08:13:35.933	432OM431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	6,262,039:88:0	
2399	1	293	08:13:36.600	432OM6A	6RTSL1		R/T Select of DDS and	2O0	4	0	6,262,039:89:0	
2400	1	293	08:13:59.933	444SA443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,262,040:33:0	
2401	1	293	08:19:03.933	20UF4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,262,045:34:0	
2402	1	293	08:19:53.933	20UF4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,262,046:18:0	
2403	1	293	10:57:28.600	488AW6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,262,202:04:0	
2404	1	293	11:25:57.933	488AX6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,262,230:20:0	
2405	1	293	11:52:47.266	488AX6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,262,256:68:0	
2406	1	293	14:43:36.600	488AX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,262,425:63:0	
2407	1	293	15:04:56.600	488AX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,262,446:72:0	
2408	1	293	16:40:56.600	488AX6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,262,541:67:0	
2409	1	293	20:29:12.600	488AY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,262,767:45:0	
2410	1	293	22:03:04.600	488AY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,262,860:30:0	
2411	1	293	22:21:37.933	488AY6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,262,878:62:0	
2412	1	293	22:50:17.266	488AY6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,262,907:02:0	
2413	1	294	00:06:43.933	488AY6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,262,982:57:0	
2414	1	294	00:40:23.266	488AZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,263,015:83:0	
2415	1	294	00:55:52.600	488AZ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,263,031:21:0	
2416	1	294	06:04:27.200	488AZ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,263,336:38:0	
2417	1	294	06:38:33.866	488AZ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,263,370:14:0	
2418	1	294	07:24:27.200	488BA6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,263,415:49:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2419	1	294	07:53:33.866	488BA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,263,444:30:0
2420	1	294	08:26:00.533	488BA6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,263,476:38:0
2421	1	294	14:44:58.533	488BB6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,263,851:20:0
2422	1	294	14:47:52.533	488BB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,263,854:08:0
2423	1	294	15:05:23.200	488BB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,263,871:37:0
2424	1	294	16:21:38.533	488BB6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,263,946:75:0
2425	1	294	16:51:36.533	488BB6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,263,976:42:0
2426	1	294	16:54:10.533	488BC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,263,979:00:0
2427	1	294	20:11:59.200	488BC6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,264,174:58:0
2428	1	294	20:14:16.533	488BC6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,264,176:82:0
2429	1	295	02:50:43.866	411JE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,264,569:00:0
2430	1	295	02:50:43.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4989.80 +/- 8	2O0	4	0	6,264,569:00:0
2431	1	295	02:50:45.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4989.92 +/- 8	2O0	4	0	6,264,569:02:1
2432	1	295	02:50:50.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4991.15 +/- 8	2O0	4	0	6,264,569:10:0
2433	1	295	02:50:51.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4991.21 +/- 8	2O0	4	0	6,264,569:11:8
2434	1	295	02:50:53.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4991.09 +/- 8	2O0	4	0	6,264,569:13:9
2435	1	295	02:50:53.133		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4991.09 +/- 8	2O0	4	0	6,264,569:13:9
2436	1	295	02:50:53.866	411JE6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	6,264,569:15:0
2437	1	295	02:52:55.200	411JE6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,264,571:15:0
2438	1	295	02:52:57.866	175TN176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	6,264,571:19:0
2439	1	295	02:52:58.533	175TN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,264,571:20:0
2440	1	295	02:53:05.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4960.14 +/- 8	2O0	4	0	6,264,571:30:0
2441	1	295	02:53:05.200	175TN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,264,571:30:0
2442	1	295	02:53:06.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4960.08 +/- 8	2O0	4	0	6,264,571:31:8
2443	1	295	05:46:48.533	488BD6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,264,743:13:0
2444	1	295	05:56:40.533	488BD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,264,752:82:0
2445	1	295	07:07:04.533	488BD6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,264,822:48:0
2446	1	295	07:14:18.533	488BD6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,264,829:62:0
2447	1	295	07:43:24.533	488BD6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,264,858:42:0
2448	1	295	13:54:38.533	488BE6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,265,225:56:0
2449	1	295	14:00:56.533	488BE6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,265,231:77:0
2450	1	295	17:07:52.466	488BE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,265,416:66:0
2451	1	295	20:56:04.466	488BF6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,265,642:38:0
2452	1	296	03:45:09.133	411JF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,266,047:00:0
2453	1	296	03:45:09.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4960.08 +/- 8	2O0	4	0	6,266,047:00:0
2454	1	296	03:45:10.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4960.20 +/- 8	2O0	4	0	6,266,047:02:1
2455	1	296	03:45:15.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4961.43 +/- 8	2O0	4	0	6,266,047:10:0
2456	1	296	03:45:17.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4961.49 +/- 8	2O0	4	0	6,266,047:11:8
2457	1	296	03:45:18.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4961.37 +/- 8	2O0	4	0	6,266,047:13:9
2458	1	296	03:45:18.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4961.37 +/- 8	2O0	4	0	6,266,047:13:9
2459	1	296	03:45:19.133	411JF6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	6,266,047:15:0
2460	1	296	03:47:20.466	411JF6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,266,049:15:0
2461	1	296	03:47:23.133	175TO176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	6,266,049:19:0
2462	1	296	03:47:23.800	175TO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,266,049:20:0
2463	1	296	03:47:30.466	175TO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,266,049:30:0
2464	1	296	03:47:30.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4930.42 +/- 8	2O0	4	0	6,266,049:30:0
2465	1	296	03:47:31.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4930.36 +/- 8	2O0	4	0	6,266,049:31:8
2466	1	296	08:32:58.466	488BG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,266,331:60:0
2467	1	296	13:21:10.466	488BG6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,266,616:63:0
2468	1	296	20:42:19.800	411JG6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,267,053:00:0
2469	1	296	20:42:19.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4930.36 +/- 8	2O0	4	0	6,267,053:00:0
2470	1	296	20:42:21.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4930.48 +/- 8	2O0	4	0	6,267,053:02:1
2471	1	296	20:42:26.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4931.72 +/- 8	2O0	4	0	6,267,053:10:0
2472	1	296	20:42:27.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4931.78 +/- 8	2O0	4	0	6,267,053:11:8
2473	1	296	20:42:29.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4931.66 +/- 8	2O0	4	0	6,267,053:13:9

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2474	1	296	20:42:29.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4931.66 +/- 8	2O0	4	0	6,267,053:13:9	
2475	1	296	20:42:29.800	411JG6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	6,267,053:15:0	
2476	1	296	20:44:31.133	411JG6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,267,055:15:0	
2477	1	296	20:44:33.800	175TP176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	6,267,055:19:0	
2478	1	296	20:44:34.466	175TP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,267,055:20:0	
2479	1	296	20:44:41.133	175TP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,267,055:30:0	
2480	1	296	20:44:41.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4900.70 +/- 8	2O0	4	0	6,267,055:30:0	
2481	1	296	20:44:42.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4900.64 +/- 8	2O0	4	0	6,267,055:31:8	
2482	1	297	04:04:11.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4900.64 +/- 8	2O0	4	0	6,267,490:00:0	
2483	1	297	04:04:11.066	411JH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,267,490:00:0	
2484	1	297	04:04:12.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4900.76 +/- 8	2O0	4	0	6,267,490:02:1	
2485	1	297	04:04:17.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4902.00 +/- 8	2O0	4	0	6,267,490:10:0	
2486	1	297	04:04:18.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4902.06 +/- 8	2O0	4	0	6,267,490:11:8	
2487	1	297	04:04:20.333		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4901.94 +/- 8	2O0	4	0	6,267,490:13:9	
2488	1	297	04:04:20.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4901.94 +/- 8	2O0	4	0	6,267,490:13:9	
2489	1	297	04:04:21.066	411JH6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	6,267,490:15:0	
2490	1	297	04:06:22.400	411JH6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,267,492:15:0	
2491	1	297	04:06:25.066	175TQ176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	6,267,492:19:0	
2492	1	297	04:06:25.733	175TQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,267,492:20:0	
2493	1	297	04:06:32.400	175TQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,267,492:30:0	
2494	1	297	04:06:32.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4870.98 +/- 8	2O0	4	0	6,267,492:30:0	
2495	1	297	04:06:33.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4870.92 +/- 8	2O0	4	0	6,267,492:31:8	
2496	1	297	11:13:54.400	411JI6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,267,915:00:0	
2497	1	297	11:13:54.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4870.92 +/- 8	2O0	4	0	6,267,915:00:0	
2498	1	297	11:13:55.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4871.04 +/- 8	2O0	4	0	6,267,915:02:1	
2499	1	297	11:14:01.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4872.28 +/- 8	2O0	4	0	6,267,915:10:0	
2500	1	297	11:14:02.266		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4872.34 +/- 8	2O0	4	0	6,267,915:11:8	
2501	1	297	11:14:03.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4872.22 +/- 8	2O0	4	0	6,267,915:13:9	
2502	1	297	11:14:03.666		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4872.22 +/- 8	2O0	4	0	6,267,915:13:9	
2503	1	297	11:14:04.400	411JI6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	6,267,915:15:0	
2504	1	297	11:16:05.733	411JI6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,267,917:15:0	
2505	1	297	11:16:08.400	175TR176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	6,267,917:19:0	
2506	1	297	11:16:09.066	175TR422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,267,917:20:0	
2507	1	297	11:16:15.733	175TR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,267,917:30:0	
2508	1	297	11:16:15.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4841.27 +/- 8	2O0	4	0	6,267,917:30:0	
2509	1	297	11:16:16.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4841.21 +/- 8	2O0	4	0	6,267,917:31:8	
2510	1	297	17:13:09.066	488BH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,268,270:27:0	
2511	1	297	21:18:16.400	488BH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,268,512:66:0	
2512	1	297	22:09:28.400	488BH6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,268,563:33:0	
2513	1	297	22:09:29.733	488BH6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,268,563:35:0	
2514	1	297	22:36:11.733	488BH6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,268,589:72:0	
2515	1	297	22:41:28.400	488BI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,268,595:01:0	
2516	1	297	23:22:00.400	488BI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,268,635:09:0	
2517	1	297	23:48:55.733	488BI6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,268,661:66:0	
2518	1	298	00:18:01.733	488BI6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,268,690:46:0	
2519	1	298	06:15:01.733	488BJ6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,269,043:53:0	
2520	1	298	13:22:08.333	411JJ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	6,269,466:00:0	
2521	1	298	13:22:08.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4841.21 +/- 8	2O0	4	0	6,269,466:00:0	
2522	1	298	13:22:09.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4841.33 +/- 8	2O0	4	0	6,269,466:02:1	
2523	1	298	13:22:15.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4842.56 +/- 8	2O0	4	0	6,269,466:10:0	
2524	1	298	13:22:16.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4842.62 +/- 8	2O0	4	0	6,269,466:11:8	
2525	1	298	13:22:17.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4842.50 +/- 8	2O0	4	0	6,269,466:13:9	
2526	1	298	13:22:17.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4842.50 +/- 8	2O0	4	0	6,269,466:13:9	
2527	1	298	13:22:18.333	411JJ6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2O0	4	0	6,269,466:15:0	
2528	1	298	13:24:19.666	411JJ6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	6,269,468:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2529	1	298	13:24:20.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4813.73 +/- 8	2O0	4	0	6,269,468:16:0	
2530	1	298	13:24:20.333	411JJ6D	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	6,269,468:16:0	
2531	1	298	13:24:21.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4813.67 +/- 8	2O0	4	0	6,269,468:17:8	
2532	1	298	14:54:10.333	488BK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,269,557:02:0	
2533	1	298	15:07:04.333	488BK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,269,569:71:0	
2534	1	298	21:18:16.333	488BL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,269,936:82:0	
2535	1	298	22:02:41.666	488BL6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,269,980:76:0	
2536	1	298	22:03:04.333	488BL6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,269,981:19:0	
2537	1	298	22:11:36.333	488BL6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,269,989:59:0	
2538	1	299	03:09:04.333	20UD4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,270,283:77:0	
2539	1	299	03:09:54.333	20UD4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,270,284:61:0	
2540	1	299	03:14:17.000	176UA6A	6TMREC	**IPB**	INITIATE PLAYBACK (PB CONTROL) Record Mod	2O0	4	0	6,270,289:00:0	
2541	1	299	14:54:18.333	488BM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,270,981:30:0	
2542	1	299	15:07:04.333	488BM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,270,993:87:0	
2543	1	299	20:56:57.666	176UW6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,271,340:00:0	
2544	1	299	21:02:00.266	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,271,344:90:0	
2545	1	299	21:03:00.266	20UQ4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2O0	4	0	6,271,345:89:0	
2546	1	299	21:05:00.266	20UQ4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,271,347:87:0	
2547	1	299	21:10:30.266	20UQ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	6,271,353:36:0	
2548	1	299	21:10:30.933	20UQ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	6,271,353:37:0	
2549	1	299	21:10:50.933	20UQ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	6,271,353:67:0	
2550	1	299	21:10:51.600	20UQ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	6,271,353:68:0	
2551	1	299	21:11:11.600	20UQ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	6,271,354:07:0	
2552	1	299	21:11:12.266	20UQ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	6,271,354:08:0	
2553	1	299	21:11:22.266	20UQ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	6,271,354:23:0	
2554	1	299	21:11:22.933	20UQ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	6,271,354:24:0	
2555	1	299	21:11:32.933	20UQ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	6,271,354:39:0	
2556	1	299	21:11:33.600	20UQ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	6,271,354:40:0	
2557	1	299	21:13:20.266	20UQ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	6,271,356:18:0	
2558	1	299	21:13:20.933	20UQ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	6,271,356:19:0	
2559	1	299	21:13:40.933	20UQ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	6,271,356:49:0	
2560	1	299	21:13:41.600	20UQ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	6,271,356:50:0	
2561	1	299	21:14:01.600	20UQ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	6,271,356:80:0	
2562	1	299	21:14:02.266	20UQ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	6,271,356:81:0	
2563	1	299	21:14:12.266	20UQ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	6,271,357:05:0	
2564	1	299	21:14:12.933	20UQ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	6,271,357:06:0	
2565	1	299	21:14:22.933	20UQ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	6,271,357:21:0	
2566	1	299	21:14:23.600	20UQ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	6,271,357:22:0	
2567	1	299	21:15:20.266	20UQ4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,271,358:16:0	
2568	1	299	21:18:16.266	488BN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,271,361:07:0	
2569	1	299	21:40:04.266	20UW4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,271,382:58:0	
2570	1	299	21:40:54.266	20UW4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,271,383:42:0	
2571	1	299	21:42:27.600	176UX6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,271,385:00:0	
2572	1	299	21:58:48.266	488BN6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,271,401:15:0	
2573	1	299	22:00:24.266	488BN6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,271,402:68:0	
2574	1	299	22:20:08.266	488BN6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,271,422:24:0	
2575	1	299	22:31:08.266	488BN6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,271,433:13:0	
2576	1	299	23:22:00.266	488BO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,271,483:41:0	
2577	1	299	23:48:39.600	488BO6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,271,509:74:0	
2578	1	300	00:17:45.600	488BO6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,271,538:54:0	
2579	1	300	08:34:32.266	488BP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,272,029:83:0	
2580	1	300	10:14:58.933	488BP6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,272,129:23:0	
2581	1	300	10:41:48.266	488BP6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,272,155:71:0	
2582	1	300	12:36:32.933	488BP6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,272,269:24:0	
2583	1	300	12:39:52.266	488BP6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,272,272:50:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2584	1	300	14:49:26.933	488BQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,272,400:64:0
2585	1	300	15:02:48.266	488BQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,272,413:83:0
2586	1	300	18:36:44.933	488BQ6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,272,625:46:0
2587	1	301	06:38:38.266	488BR6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,273,339:42:0
2588	1	301	09:00:08.200	488BR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,273,479:37:0
2589	1	301	10:19:04.200	488BR6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,273,557:43:0
2590	1	301	10:22:41.533	488BR6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,273,561:05:0
2591	1	301	14:56:21.533	488BS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,273,831:65:0
2592	1	301	15:07:04.200	488BS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,273,842:28:0
2593	1	301	16:13:25.533	488BS6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,273,907:85:0
2594	1	301	16:42:31.533	488BS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,273,936:65:0
2595	1	301	21:03:20.200	488BT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,274,194:60:0
2596	1	301	21:49:35.533	488BT6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,274,240:37:0
2597	1	301	21:54:32.200	488BT6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,274,245:27:0
2598	1	301	22:42:46.200	488BT6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,274,293:00:0
2599	1	301	22:52:08.200	488BT6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,274,302:24:0
2600	1	301	22:58:23.533	488BU6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,274,308:41:0
2601	1	301	23:27:29.533	488BU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,274,337:21:0
2602	1	301	23:38:23.533	488BU6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,274,348:01:0
2603	1	301	23:59:35.533	432JF6B	6RTDS2	NIMNCG,AACDSL,RT	AACS DESELECT	2O0	4	0	6,274,368:89:0
2604	1	302	00:02:38.866	431MA6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	2O0	4	0	6,274,372:00:0
2605	1	302	00:07:29.533	488BU6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,274,376:72:0
2606	1	302	01:54:52.866	176UB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,274,483:00:0
2607	**1**	**302**	**02:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**6,274,488:05:7**
2608	**1**	**302**	**02:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**6,274,488:05:7**
2609	**1**	**302**	**02:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**6,274,488:05:7**
2610	**1**	**302**	**02:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**6,274,488:05:7**
2611	**1**	**302**	**02:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**6,274,488:05:7**
2612	**1**	**302**	**02:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**6,274,488:05:7**
2613	**1**	**302**	**02:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**6,274,488:05:7**
2614	**1**	**302**	**02:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**6,274,488:05:7**
2615	**1**	**302**	**02:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**6,274,488:05:7**
2616	1	302	02:00:00.200		DMS:	: READY	RDY, TRACK 2, REV, TIC 4813.67 +/- 8	2O0	4	0	6,274,488:06:0

			Sequence:	I32B-AR		Created: 01/15/02	Begin: 01-302/02:00:00 Finish: 02-004/12:00:00					
Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1	1	302	02:00:00.000	20A3EZ	37C2PR	CMD,37C2PR,20A3E	Optics Heater 2 OFF (primary relay)	2O0	4	0	6,274,488:05:7	
2	1	302	02:00:00.000	20A3FA	37F1PR	CMD,37F1PR,20A3F	Radiator Flash Heater OFF (primary relay)	2O0	4	0	6,274,488:05:7	
3	1	302	02:00:00.000	20A3FB	37F2PR	CMD,37F2PR,20A3F	Shield Flash Heater OFF (primary relay)	2O0	4	0	6,274,488:05:7	
4	1	302	02:00:00.000	20A3FD	40HRPR	CMD,40HRPR,20A3F	RCT Heater OFF (primary relay)	2O0	4	0	6,274,488:05:7	
5	1	302	02:00:00.000	20A3FE	40T1PR	CMD,40T1PR,20A3F	PCT Heater 1 OFF (primary relay)	2O0	4	0	6,274,488:05:7	
6	1	302	02:00:00.000	20A3FF	40T2R	CMD,40T2R,20A3FF	PCT Heater 2 OFF	2O0	4	0	6,274,488:05:7	
7	1	302	02:00:00.000	20A3EY	37C1PR	CMD,37C1PR,20A3E	Optics Heater 1 OFF (primary relay)	2O0	4	0	6,274,488:05:7	
8	1	302	02:00:00.000	20A3EW	37A	CMD,37A,20A3EW,,	NIMS Power ON	2O0	4	0	6,274,488:05:7	
9	1	302	02:00:00.000	20A3EX	37HR	CMD,37HR,20A3EX,	Replacement Heaters OFF	2O0	4	0	6,274,488:05:7	
10	1	302	02:00:00.200		DMS:	: READY	RDY, TRACK 2, REV, TIC 4813.67 +/- 8	2O0	4	0	6,274,488:06:0	
11	1	302	02:01:56.200	432JA6B	6RTDS2	NIMDSL,AACDSL,RT	NIMS R/T DESELECTAACS DESELECT	2O0	4	0	6,274,489:89:0	
12	1	302	02:02:00.200	488AA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,274,490:04:0	
13	1	302	02:04:04.200	20SG4A	7SAFE	STOP	S/P NO MOVEMENT	2O0	4	0	6,274,492:08:0	
14	1	302	02:04:54.200	20SG4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,274,492:83:0	
15	1	302	02:06:00.200	176SA6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,274,494:00:0	
16	1	302	04:40:33.533	488AA6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,274,646:78:0	
17	1	302	04:46:16.200	488AA6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,274,652:46:0	
18	1	302	06:00:33.533	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	6,274,725:89:0	
19	1	302	06:00:34.866	432ZL6A	6RTSL1		R/T Select of DDS and	2O0	4	0	6,274,726:00:0	
20	1	302	06:04:41.533	20ZM6A	6EUVON			2O0	4	0	6,274,730:06:0	
21	1	302	06:05:38.200	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2O0	4	0	6,274,731:00:0	
22	1	302	07:38:47.533	488AA6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,274,823:12:0	
23	1	302	14:55:50.866	488AB6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,275,255:35:0	
24	1	302	14:58:32.200	488AB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,275,258:04:0	
25	1	303	05:26:34.133	488AC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,276,116:49:0	
26	1	303	05:37:28.133	488AC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,276,127:29:0	
27	1	303	06:22:16.133	488AC6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,276,171:57:0	
28	1	303	09:12:05.466	488AC6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,276,339:53:0	
29	1	303	15:23:57.466	488AD6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,276,707:33:0	
30	1	303	21:14:00.133	488AD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,277,053:51:0	
31	1	303	21:43:24.133	488AE6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,277,082:58:0	
32	1	303	21:43:52.133	488AE6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,277,083:09:0	
33	1	303	21:52:24.133	488AE6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,277,091:49:0	
34	1	303	22:19:52.800	488AE6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,277,118:65:0	
35	1	303	23:17:44.133	488AE6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,277,175:85:0	
36	1	304	05:24:40.066	488AF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,277,538:76:0	
37	1	304	06:18:00.066	488AF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,277,591:53:0	
38	1	304	09:52:13.400	488AF6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,277,803:41:0	
39	1	304	14:49:04.066	488AG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,278,097:03:0	
40	1	304	21:09:44.066	488AH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,278,473:47:0	
41	1	304	21:28:56.066	488AH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,278,492:46:0	
42	1	304	22:47:52.066	488AH6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,278,570:52:0	
43	1	304	22:53:00.733	488AH6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,278,575:60:0	
44	1	304	23:22:06.733	488AH6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,278,604:40:0	
45	1	305	07:24:08.066	488AI6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,279,081:15:0	
46	1	305	10:34:19.400	488AI6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,279,269:24:0	
47	1	305	11:01:09.400	488AI6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,279,295:73:0	
48	1	305	14:57:22.666	488AJ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,279,529:39:0	
49	1	305	17:04:13.333	488AJ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,279,654:80:0	
50	1	305	21:09:44.000	488AK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,279,897:63:0	
51	1	305	21:35:20.000	488AK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,279,923:01:0	
52	1	305	21:38:21.333	488AK6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,279,926:00:0	
53	1	305	21:43:52.000	488AK6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,279,931:41:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	1	305	22:20:08.000	488AK6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,279,967:29:0	
55	1	305	22:25:07.333	488AL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,279,972:23:0	
56	1	305	23:02:48.000	488AL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,280,009:47:0	
57	1	306	04:17:08.666	488AL6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,280,320:37:0	
58	1	306	04:20:40.000	488AL6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,280,323:81:0	
59	1	306	05:11:56.666	488AM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,280,374:55:0	
60	1	306	05:22:32.000	488AM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,280,385:07:0	
61	1	306	06:07:20.000	488AM6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,280,429:35:0	
62	1	306	10:27:05.333	488AM6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,280,686:26:0	
63	1	306	10:29:44.000	488AM6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,280,688:82:0	
64	1	306	14:45:12.666	488AN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,280,941:52:0	
65	1	306	16:02:47.333	488AN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,281,018:27:0	
66	1	306	16:31:53.333	488AN6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,281,047:07:0	
67	1	306	20:25:25.333	488AN6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,281,278:04:0	
68	1	306	20:29:12.000	488AN6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,281,281:71:0	
69	1	307	05:02:04.600	488AO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,281,789:02:0	
70	1	307	05:11:51.933	488AO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,281,798:64:0	
71	1	307	05:58:47.933	488AO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,281,845:11:0	
72	1	307	13:52:37.933	488AP6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,282,313:68:0	
73	1	307	14:44:27.266	488AP6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,282,365:00:0	
74	1	307	20:59:03.933	488AQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,282,735:45:0	
75	1	307	21:30:59.933	488AQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,282,767:07:0	
76	1	307	21:31:03.933	488AQ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,282,767:13:0	
77	1	307	22:00:55.933	488AQ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,282,796:62:0	
78	1	307	22:25:22.600	488AQ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,282,820:78:0	
79	1	307	22:47:51.933	488AR6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,282,843:09:0	
80	1	308	04:07:41.933	488AR6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,283,159:38:0	
81	1	308	14:44:34.533	488AS6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,283,789:27:0	
82	1	308	21:01:11.866	488AT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,284,161:71:0	
83	1	308	21:24:04.533	488AT6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,284,184:37:0	
84	1	308	21:24:39.866	488AT6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,284,184:90:0	
85	1	308	21:33:11.866	488AT6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,284,193:39:0	
86	1	309	06:59:39.200	488AU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,284,753:60:0	
87	1	309	14:57:36.533	488AV6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,285,226:33:0	
88	1	309	15:00:39.866	488AV6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,285,229:35:0	
89	1	309	22:40:37.800	488AW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,285,684:27:0	
90	1	309	23:57:23.800	488AW6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,285,760:20:0	
91	1	310	00:26:29.800	488AW6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,285,789:00:0	
92	1	310	00:57:59.800	488AW6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,285,820:14:0	
93	1	310	06:30:47.800	488AX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,286,149:27:0	
94	1	310	09:25:43.800	488AX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,286,322:28:0	
95	1	310	09:42:47.800	488AX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,286,339:17:0	
96	1	310	10:13:43.800	488AX6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,286,369:71:0	
97	1	310	10:40:33.133	488AX6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,286,396:28:0	
98	1	310	14:57:58.466	488AY6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,286,650:82:0	
99	1	310	22:29:51.133	488AZ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,287,097:74:0	
100	1	311	05:57:49.066	488BA6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,287,540:78:0	
101	1	311	06:00:55.733	488BA6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,287,543:85:0	
102	1	311	14:40:48.400	488BB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,288,058:09:0	
103	1	311	15:57:11.733	488BB6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,288,133:59:0	
104	1	311	16:26:17.733	488BB6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,288,162:39:0	
105	1	311	20:46:15.733	488BC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,288,419:49:0	
106	1	311	21:33:11.733	488BC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,288,465:87:0	
107	1	311	22:17:09.733	488BC6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,288,509:40:0	
108	1	311	22:39:19.733	488BC6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,288,531:33:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	1	311	22:44:36.400	488BC6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,288,536:53:0	
110	1	312	08:51:35.733	488BD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,289,136:82:0	
111	1	312	09:26:48.400	488BD6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,289,171:66:0	
112	1	312	09:34:15.733	488BD6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,289,179:09:0	
113	1	312	14:45:02.400	488BD6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,289,486:42:0	
114	1	312	16:49:27.666	488BE6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,289,609:47:0	
115	1	312	17:51:19.666	488BE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,289,670:64:0	
116	1	312	20:50:31.666	488BE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,289,847:85:0	
117	1	312	21:18:15.666	488BE6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,289,875:33:0	
118	1	312	22:17:59.666	488BE6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,289,934:40:0	
119	1	313	00:52:39.000	488BF6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,290,087:36:0	
120	1	313	00:55:51.666	488BF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,290,090:52:0	
121	1	313	04:47:46.333	488BF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,290,319:85:0	
122	1	313	05:07:35.666	488BF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,290,339:49:0	
123	1	313	06:02:00.333	488BF6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,290,393:32:0	
124	1	313	06:31:06.333	488BG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,290,422:12:0	
125	1	313	06:32:55.666	488BG6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,290,423:85:0	
126	1	313	09:43:18.333	488BG6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,290,612:20:0	
127	1	313	14:35:09.000	488BH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,290,900:78:0	
128	1	313	16:34:31.666	488BH6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,291,018:84:0	
129	1	313	17:59:51.666	488BH6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,291,103:29:0	
130	1	313	18:13:20.333	488BH6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,291,116:59:0	
131	1	314	00:45:12.333	488BI6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,291,504:19:0	
132	1	314	02:03:18.933	488BI6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,291,581:42:0	
133	1	314	02:30:08.266	488BI6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,291,607:90:0	
134	1	314	06:49:59.600	488BJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,291,864:90:0	
135	1	314	09:15:03.600	488BJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,292,008:42:0	
136	1	314	09:36:23.600	488BJ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,292,029:51:0	
137	1	314	09:58:15.600	488BJ6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,292,051:17:0	
138	1	314	10:25:04.933	488BJ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,292,077:65:0	
139	1	314	16:19:35.600	488BK6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,292,428:30:0	
140	1	314	18:06:15.600	488BK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,292,533:75:0	
141	1	314	20:39:51.600	488BK6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,292,685:67:0	
142	1	314	21:00:03.600	488BK6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,292,705:65:0	
143	1	314	21:01:11.600	488BK6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,292,706:76:0	
144	1	315	04:28:00.266	488BL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,293,148:67:0	
145	1	315	04:37:43.600	488BL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,293,158:32:0	
146	1	315	05:18:15.600	488BL6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,293,198:40:0	
147	1	315	16:30:15.533	488BM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,293,863:05:0	
148	1	315	17:05:13.533	488BM6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,293,897:58:0	
149	1	315	17:06:31.533	488BM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,293,898:84:0	
150	1	315	20:53:04.200	488BM6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,294,122:89:0	
151	1	315	21:03:19.533	488BM6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,294,133:11:0	
152	1	315	21:58:47.533	488BN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,294,187:89:0	
153	1	316	08:40:55.533	488BO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,294,823:05:0	
154	1	316	09:25:43.533	488BO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,294,867:33:0	
155	1	316	15:53:59.533	488BP6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,295,251:33:0	
156	1	316	16:57:19.533	176TA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,295,314:00:0	
157	1	316	18:10:31.533	488BP6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,295,386:36:0	
158	1	316	19:58:09.533	488BP6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,295,492:77:0	
159	1	316	20:01:27.533	488BP6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,295,496:10:0	
160	1	316	20:02:21.533	465WK6A	6DMST	5000	DMS Slew to TIC	2O0	4	0	6,295,497:00:0	
161	1	316	20:02:21.533		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 4813.67 +/- 8	2O0	4	0	6,295,497:00:0	
162	1	316	20:02:21.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4813.67 +/- 8	2O0	4	0	6,295,497:00:0	
163	1	316	20:02:28.200		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 4813.67 +/- 8	2O0	4	0	6,295,497:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	1	316	20:02:29.600		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *4813.79 +/- 8	2O0	4	0	6,295,497:12:1	
165	1	316	20:15:34.333		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/- 8	2O0	4	0	6,295,510:06:2	
166	1	316	20:15:35.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/- 8	2O0	4	0	6,295,510:08:0	
167	1	317	01:56:02.800		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/- 8	2O0	4	0	6,295,846:73:0	
168	1	317	01:56:02.800	465WL6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	6,295,846:73:0	
169	1	317	01:56:04.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/- 8	2O0	4	0	6,295,846:75:1	
170	1	317	01:56:09.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/- 8	2O0	4	0	6,295,846:83:0	
171	1	317	01:56:10.666		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/- 8	2O0	4	0	6,295,846:84:8	
172	1	317	01:56:14.533		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/- 8	2O0	4	0	6,295,846:90:6	
173	1	317	01:56:14.533		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/- 8	2O0	4	0	6,295,846:90:6	
174	1	317	02:21:54.800	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	6,295,872:35:0	
175	1	317	02:21:54.800		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/- 8	2O0	4	0	6,295,872:35:0	
176	1	317	02:21:56.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/- 8	2O0	4	0	6,295,872:36:8	
177	1	317	04:21:44.133	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	2O0	4	0	6,295,990:81:0	
178	1	317	04:21:44.133		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/- 8	2O0	4	0	6,295,990:81:0	
179	1	317	04:21:44.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/- 8	2O0	4	0	6,295,990:81:0	
180	1	317	04:21:45.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/- 8	2O0	4	0	6,295,990:83:1	
181	1	317	04:21:50.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/- 8	2O0	4	0	6,295,991:00:0	
182	1	317	04:21:52.000		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/- 8	2O0	4	0	6,295,991:01:8	
183	1	317	04:21:53.400		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/- 8	2O0	4	0	6,295,991:03:9	
184	1	317	04:23:12.133	488BQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,295,992:31:0	
185	1	317	04:25:09.466	488BQ6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,295,994:25:0	
186	1	317	04:25:54.066		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/- 8	2O0	4	0	6,295,995:00:9	
187	1	317	04:25:55.266		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/- 8	2O0	4	0	6,295,995:02:7	
188	1	317	04:25:55.266		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 8	2O0	4	0	6,295,995:02:7	
189	1	317	04:25:56.666		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	6,295,995:04:8	
190	1	317	04:26:08.666		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	6,295,995:22:8	
191	1	317	04:26:09.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	6,295,995:24:6	
192	1	317	04:31:46.800	465WN6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	2O0	4	0	6,296,000:75:0	
193	1	317	04:31:46.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,296,000:75:0	
194	1	317	04:31:53.466		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,296,000:85:0	
195	1	317	04:31:57.333		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	2O0	4	0	6,296,000:90:8	
196	1	317	04:31:57.333		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	2O0	4	0	6,296,000:90:8	
197	1	317	04:33:27.466	488BQ6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	6,296,002:44:0	
198	1	317	05:03:19.466	488BQ6D	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2O0	4	0	6,296,032:02:0	
199	1	317	05:03:40.800	465WN6B	6DMSC	RDY,1	DMS Control Tape stop	2O0	4	0	6,296,032:34:0	
200	1	317	05:03:40.800		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	2O0	4	0	6,296,032:34:0	
201	1	317	05:03:42.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	2O0	4	0	6,296,032:35:8	
202	1	317	05:19:16.800	465WO6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	2O0	4	0	6,296,047:73:0	
203	1	317	05:19:16.800		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	2O0	4	0	6,296,047:73:0	
204	1	317	05:19:18.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	2O0	4	0	6,296,047:75:1	
205	1	317	05:19:23.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	2O0	4	0	6,296,047:83:0	
206	1	317	05:19:24.666		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	2O0	4	0	6,296,047:84:8	
207	1	317	05:19:28.533		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	2O0	4	0	6,296,047:90:6	
208	1	317	05:19:28.533		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	2O0	4	0	6,296,047:90:6	
209	1	317	05:51:24.800		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	2O0	4	0	6,296,079:53:0	
210	1	317	05:51:24.800	465WP6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	6,296,079:53:0	
211	1	317	05:51:26.000		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	2O0	4	0	6,296,079:54:8	
212	1	317	05:51:29.866		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	2O0	4	0	6,296,079:60:6	
213	1	317	05:51:29.866		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	2O0	4	0	6,296,079:60:6	
214	1	317	06:23:25.466	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	6,296,111:22:0	
215	1	317	06:23:25.466		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	2O0	4	0	6,296,111:22:0	
216	1	317	06:23:26.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	2O0	4	0	6,296,111:23:8	
217	1	317	06:38:08.800	465WQ6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	6,296,125:73:0	
218	1	317	06:38:08.800		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	2O0	4	0	6,296,125:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	1	317	06:38:10.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	2O0	4	0	6,296,125	75:1
220	1	317	06:38:15.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	2O0	4	0	6,296,125	83:0
221	1	317	06:38:16.666		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	2O0	4	0	6,296,125	84:8
222	1	317	06:38:20.533		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	2O0	4	0	6,296,125	90:6
223	1	317	06:38:20.533		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	2O0	4	0	6,296,125	90:6
224	1	317	07:10:16.133		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	2O0	4	0	6,296,157	52:0
225	1	317	07:10:16.133	465WR6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	6,296,157	52:0
226	1	317	07:10:17.333		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	2O0	4	0	6,296,157	53:8
227	1	317	07:10:21.200		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	2O0	4	0	6,296,157	59:6
228	1	317	07:10:21.200		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	2O0	4	0	6,296,157	59:6
229	1	317	07:11:22.133	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	6,296,158	60:0
230	1	317	07:11:22.133		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	2O0	4	0	6,296,158	60:0
231	1	317	07:11:23.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	2O0	4	0	6,296,158	61:8
232	1	317	07:11:59.466	488BQ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,296,159	25:0
233	1	317	07:25:52.133		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	2O0	4	0	6,296,173	00:0
234	1	317	07:25:52.133	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	6,296,173	00:0
235	1	317	07:26:46.133		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	2O0	4	0	6,296,173	81:0
236	1	317	07:26:46.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	2O0	4	0	6,296,173	81:0
237	1	317	07:26:46.133	465WT6A	6DTRN	CMD,6DTRN,465WT6	DMS TRACK TURNAROUND	2O0	4	0	6,296,173	81:0
238	1	317	07:26:47.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	2O0	4	0	6,296,173	83:1
239	1	317	07:26:52.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	2O0	4	0	6,296,174	00:0
240	1	317	07:26:54.000		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	2O0	4	0	6,296,174	01:8
241	1	317	07:26:55.400		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	2O0	4	0	6,296,174	03:9
242	1	317	07:38:21.200		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	6,296,185	31:6
243	1	317	07:38:22.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	6,296,185	33:4
244	1	317	07:38:22.400		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	6,296,185	33:4
245	1	317	07:38:23.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	6,296,185	35:5
246	1	317	07:38:35.800		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	6,296,185	53:5
247	1	317	07:38:37.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	6,296,185	55:3
248	1	317	07:53:04.133	20UJ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,296,199	82:0
249	1	317	07:53:54.133	20UJ4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,296,200	66:0
250	1	317	07:55:11.466	176SD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,296,202	00:0
251	1	317	09:38:31.466	488BR6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,296,304	18:0
252	1	317	10:14:42.133	488BR6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,296,339	89:0
253	1	317	10:16:55.466	488BR6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,296,342	16:0
254	1	317	13:28:15.466	488BR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,296,531	37:0
255	1	317	13:39:35.466	488BR6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,296,542	56:0
256	1	317	14:41:32.800	488BS6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,296,603	81:0
257	1	317	15:10:38.800	488BS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,296,632	61:0
258	1	317	15:58:15.466	488BS6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,296,679	69:0
259	1	317	18:01:59.466	488BS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,296,802	12:0
260	1	317	20:31:19.466	488BS6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,296,949	75:0
261	1	317	20:49:30.133	488BT6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,296,967	73:0
262	1	317	20:56:55.466	488BT6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,296,975	13:0
263	1	317	21:07:35.466	488BT6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,296,985	63:0
264	1	317	22:30:37.466	488BT6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,297,067	74:0
265	1	318	05:58:49.466	488BU6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,297,511	08:0
266	1	318	14:25:41.400	488BV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,298,012	35:0
267	1	318	15:39:03.400	488BV6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,298,084	86:0
268	1	318	18:16:55.400	488BV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,298,241	07:0
269	1	318	20:31:19.400	488BW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,298,374	00:0
270	1	318	20:45:21.400	488BW6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,298,387	80:0
271	1	318	20:46:15.400	488BW6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,298,388	70:0
272	1	318	20:54:47.400	488BW6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,298,397	19:0
273	1	318	21:56:36.733	488BW6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,298,458	32:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
274	1	318	23:12:26.066	488BX6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,298,533:31:0
275	1	318	23:13:27.400	488BX6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,298,534:32:0
276	1	318	23:39:36.066	488BX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,298,560:19:0
277	1	319	01:40:52.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,298,680:14:0
278	1	319	01:40:59.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	6,298,680:24:0
279	1	319	01:41:00.800		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC * 202.24 +/-	2O0	4	0	6,298,680:26:1
280	1	319	01:41:00.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC 202.24 +/-	2O0	4	0	6,298,680:26:1
281	1	319	01:41:06.066		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC * 203.48 +/-	2O0	4	0	6,298,680:34:0
282	1	319	01:41:07.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 203.54 +/-	2O0	4	0	6,298,680:35:8
283	1	319	05:58:55.400	488BY6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,298,935:33:0
284	1	319	14:25:48.066	488BZ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,299,436:61:0
285	1	319	15:28:23.400	488BZ6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,299,498:52:0
286	1	319	18:16:55.333	488BZ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,299,665:23:0
287	1	319	20:06:56.000		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 203.54 +/-	2O0	4	0	6,299,774:05:0
288	1	319	20:06:57.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 203.66 +/-	2O0	4	0	6,299,774:07:1
289	1	319	20:07:02.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 204.89 +/-	2O0	4	0	6,299,774:15:0
290	1	319	20:07:03.866		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC * 204.95 +/-	2O0	4	0	6,299,774:16:8
291	1	319	20:07:05.266		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC 204.83 +/-	2O0	4	0	6,299,774:18:9
292	1	319	20:07:05.266		DMS:	: *P_SLEW	P7, TRACK 2, REV, TIC * 204.83 +/-	2O0	4	0	6,299,774:18:9
293	1	319	20:07:26.400		DMS:	: *REVERSE	P7, TRACK 2, REV, TIC * 199.87 +/-	2O0	4	0	6,299,774:50:6
294	1	319	20:07:26.400		DMS:	: *RUNDOWN	P7, TRACK 2, REV, TIC 199.87 +/-	2O0	4	0	6,299,774:50:6
295	1	319	20:07:27.600		DMS:	: *RUNUP	P7, TRACK 3, FWD, TIC 199.81 +/-	2O0	4	0	6,299,774:52:4
296	1	319	20:07:27.600		DMS:	: *TURNARND	P7, TRACK *3, *FWD, TIC * 199.81 +/-	2O0	4	0	6,299,774:52:4
297	1	319	20:07:29.000		DMS:	: *RESUME	P7, TRACK 3, FWD, TIC * 199.93 +/-	2O0	4	0	6,299,774:54:5
298	1	319	20:07:29.000		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC 199.93 +/-	2O0	4	0	6,299,774:54:5
299	1	319	20:27:03.333	488CA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,299,793:87:0
300	1	319	20:39:42.666		DMS:	: *RUNDOWN	P7, TRACK *1, FWD, TIC * 653.14 +/-	2O0	4	0	6,299,806:43:0
301	1	319	20:39:43.866		DMS:	: *READY	RDY, TRACK *2, *REV, TIC * 653.20 +/-	2O0	4	0	6,299,806:44:8
302	1	319	20:40:40.000	488CA6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,299,807:38:0
303	1	319	20:41:59.333	488CA6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,299,808:66:0
304	1	319	20:50:31.333	488CA6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,299,817:15:0
305	1	319	22:30:50.000	488CA6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,299,916:34:0
306	1	320	02:18:12.000	488CB6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,300,141:22:0
307	1	320	02:21:11.333	488CB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,300,144:18:0
308	1	320	04:18:31.333	488CB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,300,260:22:0
309	1	320	04:29:11.333	488CB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,300,270:72:0
310	1	320	05:31:15.333	488CB6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,300,332:16:0
311	1	320	05:52:23.333	488CC6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,300,353:07:0
312	1	320	05:58:27.333	488CC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,300,359:07:0
313	1	320	08:56:20.000	176UP6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,300,535:00:0
314	1	320	09:02:00.000	20UE4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,300,540:55:0
315	1	320	09:03:00.000	20UE4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2O0	4	0	6,300,541:54:0
316	1	320	09:05:00.000	20UE4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,300,543:52:0
317	1	320	09:10:30.000	20UE4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	6,300,549:01:0
318	1	320	09:10:30.666	20UE4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	6,300,549:02:0
319	1	320	09:10:50.666	20UE4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	6,300,549:32:0
320	1	320	09:10:51.333	20UE4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	6,300,549:33:0
321	1	320	09:11:11.333	20UE4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	6,300,549:63:0
322	1	320	09:11:12.000	20UE4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	6,300,549:64:0
323	1	320	09:11:22.000	20UE4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	6,300,549:79:0
324	1	320	09:11:22.666	20UE4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	6,300,549:80:0
325	1	320	09:11:32.666	20UE4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	6,300,550:04:0
326	1	320	09:11:33.333	20UE4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	6,300,550:05:0
327	1	320	09:13:20.000	20UE4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	6,300,551:74:0
328	1	320	09:13:20.666	20UE4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	6,300,551:75:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	1	320	09:13:40.666	20UE4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	6,300,552:14:0	
330	1	320	09:13:41.333	20UE4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	6,300,552:15:0	
331	1	320	09:14:01.333	20UE4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	6,300,552:45:0	
332	1	320	09:14:02.000	20UE4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	6,300,552:46:0	
333	1	320	09:14:12.000	20UE4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	6,300,552:61:0	
334	1	320	09:14:12.666	20UE4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	6,300,552:62:0	
335	1	320	09:14:22.666	20UE4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	6,300,552:77:0	
336	1	320	09:14:23.333	20UE4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	6,300,552:78:0	
337	1	320	09:15:20.000	20UE4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,300,553:72:0	
338	1	320	09:40:04.000	20UF4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,300,578:23:0	
339	1	320	09:40:54.000	20UF4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,300,579:07:0	
340	1	320	09:42:50.666	176US6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,300,581:00:0	
341	1	320	10:07:52.666	488CC6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,300,605:69:0	
342	1	320	10:10:31.333	488CC6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,300,608:34:0	
343	1	321	04:03:37.266	488CD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,301,669:62:0	
344	1	321	04:14:15.266	488CD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,301,680:18:0	
345	1	321	04:44:07.266	488CD6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,301,709:67:0	
346	1	321	07:53:59.266	488CD6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,301,897:47:0	
347	1	321	13:07:35.266	488CE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,302,207:61:0	
348	1	321	15:09:11.266	488CE6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,302,327:85:0	
349	1	321	18:16:55.266	488CE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,302,513:55:0	
350	1	321	20:20:39.266	488CF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,302,635:89:0	
351	1	321	20:59:03.266	488CF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,302,673:87:0	
352	1	321	21:41:05.266	488CF6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,302,715:48:0	
353	1	321	22:10:11.933	488CF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,302,744:29:0	
354	1	321	22:49:59.266	488CF6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,302,783:61:0	
355	1	322	01:38:36.600	488CG6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,302,950:40:0	
356	1	322	01:40:39.266	488CG6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,302,952:42:0	
357	1	322	04:36:56.600	488CG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,303,126:74:0	
358	1	322	04:48:23.266	488CG6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,303,138:12:0	
359	1	322	07:39:03.266	488CH6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,303,306:84:0	
360	1	322	10:00:37.933	488CH6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,303,446:86:0	
361	1	322	16:35:12.533	488CI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,303,837:17:0	
362	1	322	18:16:55.200	488CI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,303,937:71:0	
363	1	322	20:16:23.200	488CI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,304,055:85:0	
364	1	322	20:30:38.533	488CI6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,304,070:03:0	
365	1	322	20:31:19.200	488CI6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,304,070:64:0	
366	1	322	20:39:51.200	488CJ6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,304,079:13:0	
367	1	323	04:27:02.533	488CK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,304,541:18:0	
368	1	323	04:39:51.200	488CK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,304,553:79:0	
369	1	323	07:24:07.200	488CK6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,304,716:30:0	
370	1	323	13:16:07.200	488CL6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,305,064:42:0	
371	1	323	15:09:11.200	488CL6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,305,176:26:0	
372	1	323	15:52:59.866	488CL6C	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	2O0	4	0	6,305,219:56:0	
373	1	323	15:56:25.200	176UE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,305,223:00:0	
374	1	323	16:23:29.866	20RN4I	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	6,305,249:71:0	
375	1	323	16:38:29.866	20RN4K	7SLEW	INIT,POS,17.45	Stator movement	2O0	4	0	6,305,264:56:0	
376	1	323	16:50:29.866	20RN4L	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,305,276:44:0	
377	1	323	16:57:29.866	20RN4M	7SLEW	INIT,NEG,17.45	Stator movement	2O0	4	0	6,305,283:37:0	
378	1	323	17:09:29.866	20RN4N	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,305,295:25:0	
379	1	323	17:16:29.866	20RN4O	7SLEW	INIT,POS,4.36	Stator movement	2O0	4	0	6,305,302:18:0	
380	1	323	17:28:29.866	20RN4P	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,305,314:06:0	
381	1	323	17:35:29.866	20RN4Q	7SLEW	INIT,NEG,4.36	Stator movement	2O0	4	0	6,305,320:90:0	
382	1	323	17:47:29.866	20RN4R	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,305,332:78:0	
383	1	323	17:59:29.866	20RN4AH	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,305,344:66:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
384	1	323	18:15:03.866	20UM4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,305,360:11:0
385	1	323	18:15:53.866	20UM4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,305,360:86:0
386	1	323	18:15:59.866	488CL6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,305,361:04:0
387	1	323	18:16:55.200	488CL6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,305,361:87:0
388	1	323	18:17:58.533	176UF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,305,363:00:0
389	1	323	19:58:03.866	488CM6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,305,461:90:0
390	1	323	20:01:27.200	488CM6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,305,465:31:0
391	1	324	12:49:17.133	488CN6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,306,462:09:0
392	1	324	12:54:47.133	488CN6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,306,467:49:0
393	1	324	14:49:59.133	488CN6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,306,581:43:0
394	1	324	18:16:55.133	488CN6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,306,786:12:0
395	1	324	20:07:51.133	488CO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,306,895:77:0
396	1	324	20:21:15.133	488CO6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,306,909:09:0
397	1	324	20:22:47.133	488CO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,306,910:56:0
398	1	324	20:31:19.133	488CO6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,306,919:05:0
399	1	324	22:22:12.466	488CO6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,307,028:66:0
400	1	324	22:35:03.133	488CP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,307,041:39:0
401	1	324	23:37:11.800	488CP6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,307,102:81:0
402	1	325	00:04:01.133	488CP6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,307,129:38:0
403	1	325	05:58:18.466	488CQ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,307,479:74:0
404	1	325	06:00:55.133	488CQ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,307,482:36:0
405	1	325	20:04:03.733	488CR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,308,316:25:0
406	1	325	20:14:15.066	488CR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,308,326:32:0
407	1	325	21:05:27.066	488CR6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,308,376:90:0
408	1	326	07:09:11.066	488CS6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,308,974:08:0
409	1	326	10:04:33.066	488CS6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,309,147:48:0
410	1	326	10:06:15.066	488CS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,309,149:19:0
411	1	327	03:44:10.333	488CT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,310,195:46:0
412	1	327	03:55:03.000	488CT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,310,206:24:0
413	1	327	04:59:03.000	488CT6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,310,269:51:0
414	1	327	05:01:59.666	488CT6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,310,272:43:0
415	1	327	05:28:49.000	488CT6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,310,299:00:0
416	1	327	15:07:03.000	488CU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,310,870:80:0
417	1	327	16:04:39.000	488CU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,310,927:77:0
418	1	327	16:13:11.000	488CU6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,310,936:26:0
419	1	327	17:18:19.666	488CU6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,311,000:65:0
420	1	327	17:42:53.000	488CU6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,311,025:00:0
421	1	327	18:12:39.000	488CV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,311,054:40:0
422	1	327	19:57:11.000	488CV6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,311,157:75:0
423	1	327	20:50:31.000	488CV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,311,210:52:0
424	1	328	03:29:46.333	488CW6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,311,605:40:0
425	1	328	03:35:51.000	488CW6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,311,611:41:0
426	1	328	08:10:43.600	488CW6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,311,883:28:0
427	1	328	13:22:30.933	488CX6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,312,191:61:0
428	1	328	15:47:34.933	488CX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,312,335:13:0
429	1	328	16:04:38.933	488CX6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,312,352:02:0
430	1	328	18:06:14.933	488CX6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,312,472:26:0
431	1	328	19:52:54.933	488CY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,312,577:71:0
432	1	328	20:20:38.933	488CY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,312,605:19:0
433	1	328	21:15:27.600	488CY6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,312,659:38:0
434	1	328	21:44:33.600	488CY6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,312,688:18:0
435	1	328	21:54:30.933	488CY6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,312,698:04:0
436	1	329	02:59:50.933	488CZ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,313,000:02:0
437	1	329	14:06:42.933	488DA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,313,659:51:0
438	1	329	15:21:47.600	488DA6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,313,733:74:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
439	1	329	15:48:37.533	488DA6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,313,760:32:0
440	1	329	18:16:54.866	488DA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,313,907:01:0
441	1	329	19:33:31.533	488DA6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,313,982:71:0
442	1	329	19:40:06.866	488DB6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,313,989:27:0
443	1	330	08:41:46.200	488DC6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,314,762:33:0
444	1	330	09:56:43.533	488DC6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,314,836:45:0
445	1	330	10:23:33.533	488DC6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,314,863:03:0
446	1	330	14:52:06.866	488DD6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,315,128:58:0
447	1	330	16:13:05.533	488DD6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,315,208:66:0
448	1	330	16:37:38.866	488DD6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,315,233:01:0
449	1	330	18:08:22.866	488DD6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,315,322:68:0
450	1	330	19:46:30.866	488DD6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,315,419:73:0
451	1	330	19:56:23.533	488DE6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,315,429:52:0
452	1	330	19:57:10.866	488DE6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,315,430:32:0
453	1	330	20:05:42.866	488DE6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,315,438:72:0
454	1	332	02:26:55.466	488DF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,317,239:90:0
455	1	332	06:07:18.800	488DF6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,317,457:87:0
456	1	332	09:36:12.800	488DG6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,317,664:51:0
457	1	332	09:38:30.800	488DG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,317,666:76:0
458	1	332	19:39:38.733	488DH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,318,261:33:0
459	1	332	19:50:46.733	488DH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,318,272:34:0
460	1	332	20:24:54.733	488DH6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,318,306:12:0
461	1	333	06:05:10.733	488DI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,318,880:02:0
462	1	333	13:18:14.733	488DJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,319,308:30:0
463	1	333	14:59:34.733	488DJ6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,319,408:50:0
464	1	333	15:02:46.733	488DJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,319,411:65:0
465	1	333	19:34:42.733	488DK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,319,680:60:0
466	1	333	19:55:02.733	488DK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,319,700:70:0
467	1	333	20:50:04.733	488DK6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,319,755:18:0
468	1	333	21:19:10.733	488DK6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,319,783:89:0
469	1	333	21:20:22.733	488DK6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,319,785:15:0
470	1	333	23:19:11.333	488DL6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,319,902:61:0
471	1	333	23:21:58.666	488DL6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,319,905:39:0
472	1	334	03:19:44.666	488DL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,320,140:53:0
473	1	334	03:29:26.666	488DL6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,320,150:16:0
474	1	334	04:30:03.333	488DL6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,320,210:11:0
475	1	334	04:52:38.666	488DM6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,320,232:42:0
476	1	334	04:57:36.666	488DM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,320,237:34:0
477	1	334	13:56:38.666	488DN6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,320,770:44:0
478	1	334	15:17:48.000	488DN6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,320,850:68:0
479	1	334	15:42:20.666	488DN6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,320,875:02:0
480	1	334	17:57:42.666	488DN6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,321,008:82:0
481	1	334	19:33:42.666	488DN6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,321,103:77:0
482	1	334	19:38:54.666	488DO6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,321,108:90:0
483	1	334	19:46:30.666	488DO6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,321,116:46:0
484	1	334	21:22:07.333	488DO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,321,211:06:0
485	1	334	22:36:23.333	488DO6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,321,284:47:0
486	1	334	22:53:00.000	488DO6E	6TMSED	FILL,AH6	Sci, Eng, and D/L Chan	2O0	4	0	6,321,300:86:0
487	1	334	22:55:04.666	176SG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,321,303:00:0
488	1	334	23:03:13.333	488DP6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2O0	4	0	6,321,311:05:0
489	1	334	23:24:01.333	20AA4AA	7STAT	10.00,217.9742,4	Stator inertial point	2O0	4	0	6,321,331:57:0
490	1	334	23:24:13.333	20AA6AA	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	2O0	4	0	6,321,331:75:0
491	1	334	23:30:00.000	474AA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	6,321,337:49:0
492	1	334	23:32:00.000	474AA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,321,339:47:0
493	1	334	23:32:21.333	20AA4AD	7STAT	17.45,217.9742,4	Stator inertial point	2O0	4	0	6,321,339:79:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	1	334	23:36:14.000	474AA416A4E	7BURN	,217.974199,43.6	ALERT -- Thruster fire	2O0	4	0	6,321,343:64:0	
495	1	334	23:44:43.333	20AA4AF	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,321,352:09:0	
496	1	334	23:50:35.333	20AA4AG	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,321,357:82:0	
497	1	335	00:11:51.333	20AA4AJ	7STAT	10.00,217.9742,4	Stator inertial point	2O0	4	0	6,321,378:85:0	
498	1	335	00:12:03.333	20AA6AB	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	2O0	4	0	6,321,379:12:0	
499	1	335	00:17:51.333	20AA4AK	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	6,321,384:79:0	
500	1	335	00:19:50.000	474AA416A4G	7BURN	217.974199,43.68	ALERT -- Thruster fire	2O0	4	0	6,321,386:75:0	
501	1	335	00:29:05.333	20AA4AM	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,321,395:89:0	
502	1	335	00:33:57.333	20AA4AN	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,321,400:72:0	
503	1	335	01:41:29.333	20AB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,321,467:53:0	
504	1	335	01:42:19.333	20AB4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,321,468:37:0	
505	1	335	01:43:56.000	176AA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,321,470:00:0	
506	1	335	02:30:18.666	488DP6B	6TMSED	FILL,AH6	Sci, Eng, and D/L Chan	2O0	4	0	6,321,515:79:0	
507	1	335	04:01:00.000	488DP6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,321,605:51:0	
508	1	335	04:04:28.666	176SH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,321,609:00:0	
509	1	335	05:27:08.000	488DQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,321,690:68:0	
510	1	335	05:39:34.666	488DQ6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,321,703:05:0	
511	1	335	13:18:14.600	488DR6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,322,156:62:0	
512	1	335	15:10:20.600	488DR6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,322,267:50:0	
513	1	335	22:32:11.266	488DS6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,322,704:49:0	
514	1	335	23:46:18.600	488DS6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,322,777:77:0	
515	1	336	00:13:07.933	488DS6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,322,804:34:0	
516	1	336	06:43:34.600	488DT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,323,190:48:0	
517	1	336	08:06:31.933	488DT6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,323,272:52:0	
518	1	336	08:06:46.600	488DT6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,323,272:74:0	
519	1	336	08:15:18.600	488DT6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,323,281:23:0	
520	1	336	21:17:15.200	488DU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,324,054:55:0	
521	1	337	07:36:54.533	488DV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,324,667:41:0	
522	1	337	07:59:04.533	488DV6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,324,689:34:0	
523	1	337	08:04:38.533	488DV6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,324,694:80:0	
524	1	337	12:02:17.200	488DV6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,324,929:83:0	
525	1	337	13:20:22.533	488DV6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,325,007:13:0	
526	1	337	16:15:37.200	488DW6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,325,180:42:0	
527	1	337	16:17:26.533	488DW6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,325,182:24:0	
528	1	338	02:50:00.533	488DX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,325,807:80:0	
529	1	338	03:01:42.533	488DX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,325,819:41:0	
530	1	338	03:20:54.533	488DX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,325,838:40:0	
531	1	338	05:20:22.466	488DX6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,325,956:54:0	
532	1	338	13:13:58.466	488DY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,326,424:90:0	
533	1	338	15:13:26.466	488DY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,326,543:13:0	
534	1	338	15:29:09.800	488DY6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,326,558:63:0	
535	1	338	15:34:46.466	488DY6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,326,564:22:0	
536	1	338	22:27:23.133	488DZ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,326,972:29:0	
537	1	338	23:41:07.800	488DZ6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,327,045:23:0	
538	1	339	00:07:57.133	488DZ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,327,071:71:0	
539	1	339	02:48:54.466	488DZ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,327,230:88:0	
540	1	339	03:16:38.466	488DZ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,327,258:36:0	
541	1	339	04:11:06.466	488EA6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,327,312:24:0	
542	1	339	04:37:56.466	488EA6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,327,338:73:0	
543	1	339	05:16:06.466	488EA6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,327,376:50:0	
544	1	339	08:21:35.133	488EA6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,327,559:90:0	
545	1	339	08:23:50.466	488EA6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,327,562:20:0	
546	1	339	19:10:06.400	488EB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,328,201:35:0	
547	1	339	19:25:10.400	488EB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,328,216:26:0	
548	1	339	20:24:41.733	488EB6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,328,275:14:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	1	339	20:46:14.400	488EB6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,328,296:42:0	
550	1	339	20:51:59.066	488EB6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,328,302:13:0	
551	1	340	02:40:37.733	488EC6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,328,646:87:0	
552	1	340	04:07:27.066	488EC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,328,732:75:0	
553	1	340	05:11:50.400	488EC6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,328,796:46:0	
554	1	340	05:52:59.733	488EC6D	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	2O0	4	0	6,328,837:19:0	
555	1	340	05:56:49.733	176SE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,328,841:00:0	
556	1	340	06:05:59.733	20RA4C	7STAT	5.00,282.37,-22.	Stator inertial point	2O0	4	0	6,328,850:06:0	
557	1	340	06:06:11.733	20RA6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	2O0	4	0	6,328,850:24:0	
558	1	340	06:25:01.733	490UA412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	6,328,868:81:0	
559	1	340	06:29:59.733	490UA412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,328,873:73:0	
560	1	340	06:30:19.733	20RA4D	7STAT	17.45,282.37,-22	Stator inertial point	2O0	4	0	6,328,874:12:0	
561	1	340	06:34:09.733	490UA412A4E	7VECT		Inert vect update UTC	2O0	4	0	6,328,877:84:0	
562	1	340	06:34:13.733	490UA412A4F	7TURN	2,RTH	ALERT Thruster	2O0	4	0	6,328,877:90:0	
563	1	340	06:38:01.733	490UA412A406A4A	7STAR	1,1307,23.966,-5	Star catalog update	2O0	4	0	6,328,881:68:0	
564	1	340	06:38:03.733	490UA412A406A4B	7STAR	2,333,138.16	Star catalog update	2O0	4	0	6,328,881:71:0	
565	1	340	06:38:05.733	490UA412A406A4C	7STAR	3,946,200.64	Star catalog update	2O0	4	0	6,328,881:74:0	
566	1	340	06:38:07.733	490UA412A406A4D	7STAR	4,770,213.3312,1	Star catalog update	2O0	4	0	6,328,881:77:0	
567	1	340	06:38:09.733	490UA412A406A4E	7STAR	5,112,10.2729,-1	Star catalog update	2O0	4	0	6,328,881:80:0	
568	1	340	06:38:11.733	490UA412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2O0	4	0	6,328,881:83:0	
569	1	340	06:48:05.733	20RA4F	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,328,891:64:0	
570	1	340	06:56:09.733	490UA412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,328,899:62:0	
571	1	340	08:30:03.733	20UA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,328,992:50:0	
572	1	340	08:30:53.733	20UA4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,328,993:34:0	
573	1	340	08:30:59.733	488EC6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,328,993:43:0	
574	1	340	08:32:32.400	176SK6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,328,995:00:0	
575	1	340	13:07:34.400	488ED6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,329,267:01:0	
576	1	340	15:00:13.066	488ED6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,329,378:38:0	
577	1	340	15:02:46.400	488ED6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,329,380:86:0	
578	1	341	02:43:23.666	488EE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,330,073:79:0	
579	1	341	03:05:58.333	488EE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,330,096:18:0	
580	1	341	05:01:10.333	488EE6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,330,210:12:0	
581	1	341	08:16:23.000	488EE6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,330,403:18:0	
582	1	341	08:17:26.333	488EE6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,330,404:22:0	
583	1	341	12:27:31.000	488EF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,330,651:52:0	
584	1	341	13:01:10.333	488EF6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,330,684:78:0	
585	1	341	17:38:30.333	488EF6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,330,959:13:0	
586	1	341	17:56:33.666	176UG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,330,977:00:0	
587	1	341	18:02:00.333	20UU4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,330,982:35:0	
588	1	341	18:03:00.333	20UU4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2O0	4	0	6,330,983:34:0	
589	1	341	18:05:00.333	20UU4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,330,985:32:0	
590	1	341	18:10:30.333	20UU4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	6,330,990:72:0	
591	1	341	18:10:31.000	20UU4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	6,330,990:73:0	
592	1	341	18:10:51.000	20UU4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	6,330,991:12:0	
593	1	341	18:10:51.666	20UU4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	6,330,991:13:0	
594	1	341	18:11:11.666	20UU4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	6,330,991:43:0	
595	1	341	18:11:12.333	20UU4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	6,330,991:44:0	
596	1	341	18:11:22.333	20UU4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	6,330,991:59:0	
597	1	341	18:11:23.000	20UU4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	6,330,991:60:0	
598	1	341	18:11:33.000	20UU4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	6,330,991:75:0	
599	1	341	18:11:33.666	20UU4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	6,330,991:76:0	
600	1	341	18:13:20.333	20UU4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	6,330,993:54:0	
601	1	341	18:13:21.000	20UU4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	6,330,993:55:0	
602	1	341	18:13:41.000	20UU4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	6,330,993:85:0	
603	1	341	18:13:41.666	20UU4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	6,330,993:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
604	1	341	18:14:01.666	20UU4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	6,330,994:25:0
605	1	341	18:14:02.333	20UU4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	6,330,994:26:0
606	1	341	18:14:12.333	20UU4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	6,330,994:41:0
607	1	341	18:14:13.000	20UU4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	6,330,994:42:0
608	1	341	18:14:23.000	20UU4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	6,330,994:57:0
609	1	341	18:14:23.666	20UU4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	6,330,994:58:0
610	1	341	18:15:20.333	20UU4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,330,995:52:0
611	1	341	18:40:04.333	20UG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,331,020:03:0
612	1	341	18:40:54.333	20UG4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,331,020:78:0
613	1	341	18:42:03.666	176UH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,331,022:00:0
614	1	341	19:03:50.333	488EG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,331,043:49:0
615	1	341	19:06:33.000	488EG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,331,046:20:0
616	1	341	19:20:54.333	488EG6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,331,060:38:0
617	1	342	20:23:28.933	488EH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,332,546:44:0
618	1	342	20:35:34.266	488EH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,332,558:40:0
619	1	342	21:35:54.933	488EH6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,332,618:11:0
620	1	342	22:02:44.266	488EH6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,332,644:59:0
621	1	343	06:28:38.266	488EI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,333,144:90:0
622	1	343	07:37:32.933	488EI6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,333,213:13:0
623	1	343	07:39:02.266	488EI6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,333,214:56:0
624	1	343	07:47:34.266	488EI6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,333,223:05:0
625	1	343	13:36:44.933	488EJ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,333,568:36:0
626	1	343	17:34:14.266	488EJ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,333,803:25:0
627	1	343	18:40:48.933	488EJ6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,333,869:11:0
628	1	344	04:37:39.533	488EK6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,334,459:37:0
629	1	344	05:50:50.866	488EK6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,334,531:72:0
630	1	344	06:17:40.200	488EK6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,334,558:29:0
631	1	344	14:13:42.200	488EL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,335,029:11:0
632	1	344	14:30:46.200	488EL6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,335,046:00:0
633	1	344	15:42:12.866	488EL6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,335,116:60:0
634	1	344	16:06:45.533	488EL6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,335,140:85:0
635	1	344	17:27:50.200	488EL6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,335,221:11:0
636	1	344	18:09:38.200	488EM6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,335,262:42:0
637	1	344	18:12:38.200	488EM6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,335,265:39:0
638	1	345	11:16:43.466	488EN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,336,278:24:0
639	1	345	11:25:10.133	488EN6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,336,286:56:0
640	1	345	12:35:34.133	488EN6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,336,356:22:0
641	1	345	17:23:34.133	488EO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,336,641:07:0
642	1	345	18:48:54.133	488EO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,336,725:43:0
643	1	345	18:56:45.466	488EO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,336,733:22:0
644	1	345	19:05:58.133	488EO6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,336,742:32:0
645	1	345	22:32:44.133	488EO6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,336,946:77:0
646	1	345	23:07:02.133	488EP6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,336,980:70:0
647	1	346	03:18:46.133	488EP6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,337,229:67:0
648	1	346	06:00:55.466	488EQ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,337,390:10:0
649	1	346	06:05:10.133	488EQ6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,337,394:28:0
650	1	346	12:46:52.133	488ER6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	6,337,791:54:0
651	**1**	**346**	**15:10:51.400**	**32NNRCTRLT01-**		**-----START------**		**2O0**	**4**	**0**	**: :**
652	1	346	15:10:51.466	176XU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,337,934:00:0
653	1	346	15:14:09.466	20XE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,337,937:24:0
654	1	346	15:18:16.133	20DA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,337,941:30:0
655	1	346	15:19:06.133	20DA4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,337,942:14:0
656	**1**	**346**	**15:21:58.800**	**185XE10A3A**	**40HRP**	**1**	**RCT Heater ON (primary relay)**	**2O0**	**4**	**0**	**6,337,945:00:0**
657	**1**	**346**	**15:22:04.133**	**185XE10B3A**	**40HRP**	**2**	**RCT Heater ON (primary relay)**	**2O0**	**4**	**0**	**6,337,945:08:0**
658	1	346	17:23:34.066	488ER6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,338,065:23:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	1	346	18:40:22.733	488ER6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,338,141:20:0	
660	1	346	18:42:30.066	488ER6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,338,143:29:0	
661	1	346	18:48:54.066	488ES6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,338,149:59:0	
662	1	346	21:02:46.066	488ES6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,338,282:04:0	
663	1	346	22:15:43.400	488ES6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,338,354:18:0	
664	1	346	22:42:33.400	488ES6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	6,338,380:67:0	
665	**1**	**347**	**03:13:45.400**	**20DC5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**260**	**4**	**0**	**6,338,648:87:0**	
666	**1**	**347**	**03:13:52.733**	**20DC5B**	**37MRL**		**Memory Realocate (software operates from R**	**260**	**4**	**0**	**6,338,649:07:0**	
667	**1**	**347**	**03:14:00.733**	**20DC6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**260**	**4**	**0**	**6,338,649:19:0**	
668	**1**	**347**	**03:14:10.733**	**20DC6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**260**	**4**	**0**	**6,338,649:34:0**	
669	**1**	**347**	**03:14:20.733**	**20DC5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**6,338,649:49:0**	
670	**1**	**347**	**03:14:22.066**	**20DC5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,338,649:51:0**	
671	**1**	**347**	**03:16:45.400**	**125XE4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**6,338,651:84:0**	
672	1	347	03:16:45.400	125XE	NIMSINIT	GS	##### GROUP START INIT	260	4	0	6,338,651:84:0	
673	**1**	**347**	**03:17:46.066**	**125XE4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,338,652:84:0**	
674	**1**	**347**	**03:18:46.733**	**125XE4C**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**6,338,653:84:0**	
675	1	347	03:19:47.400	125XE11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	6,338,654:84:0	
676	**1**	**347**	**03:19:47.400**	**125XE4D**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**6,338,654:84:0**	
677	**1**	**347**	**03:21:48.733**	**127XE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**6,338,656:84:0**	
678	1	347	03:21:48.733	127XE	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	6,338,656:84:0	
679	**1**	**347**	**03:21:49.400**	**127XE4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**6,338,656:85:0**	
680	1	347	03:22:09.400	127XE11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	6,338,657:24:0	
681	**1**	**347**	**03:27:34.066**	**185XE10C3A**	**40HRPR**	**1**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**6,338,662:56:0**	
682	**1**	**347**	**03:27:39.400**	**185XE10D3A**	**40HRPR**	**2**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**6,338,662:64:0**	
683	1	347	03:32:00.066	192XE4A	**7CONE**	**17.0,0.0**	Check S/P Position	1R3	4	0	6,338,667:00:0	
684	**1**	**347**	**03:32:20.066**	**432XE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**6,338,667:30:0**	
685	**1**	**347**	**03:40:24.066**	**432XF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**6,338,675:28:0**	
686	1	347	03:44:08.066	192XE4B	**7CONE**	**17.0,119.7**	Check S/P Position	1R3	4	0	6,338,679:00:0	
687	**1**	**347**	**03:46:29.400**	**432XU6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**6,338,681:30:0**	
688	**1**	**347**	**03:48:29.400**	**432XV6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**6,338,683:28:0**	
689	1	347	03:50:12.066	192XE4C	**7CONE**	**17.0,153.0**	Check S/P Position	1R3	4	0	6,338,685:00:0	
690	1	347	03:57:12.066	127XF	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	6,338,691:84:0	
691	**1**	**347**	**03:57:12.066**	**127XF4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**6,338,691:84:0**	
692	**1**	**347**	**03:57:12.733**	**127XF4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**1R0**	**4**	**0**	**6,338,691:85:0**	
693	1	347	03:57:32.733	127XF11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R0	4	0	6,338,692:24:0	
694	1	347	04:00:14.066	125XF	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	6,338,694:84:0	
695	**1**	**347**	**04:00:14.066**	**125XF4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**6,338,694:84:0**	
696	**1**	**347**	**04:01:14.733**	**125XF4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**6,338,695:84:0**	
697	**1**	**347**	**04:02:15.400**	**125XF4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**6,338,696:84:0**	
698	1	347	04:02:15.400	125XF11A	NIMSINIT	GE	##### GROUP END INIT	1O0	4	0	6,338,696:84:0	
699	1	347	04:18:50.733	20DB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,338,713:30:0	
700	1	347	04:19:40.733	20DB4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,338,714:14:0	
701	1	347	04:21:32.733	176XF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,338,716:00:0	
702	**1**	**347**	**04:21:33.500**	**32NNRCTRLT01-**		**-----STOP-------**		**1O0**	**4**	**0**	**: :**	
703	1	347	06:00:31.400	488ET6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,338,813:81:0	
704	1	347	06:03:02.066	488ET6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,338,816:34:0	
705	1	347	11:57:33.400	176TC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,339,167:00:0	
706	1	347	15:02:35.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 653.20 +/-	1O0	4	0	6,339,350:00:0	
707	1	347	15:02:35.400		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 653.20 +/-	1O0	4	0	6,339,350:00:0	
708	1	347	15:02:35.400	465VA6A	6DMST	5000	DMS Slew to TIC	1O0	4	0	6,339,350:00:0	
709	1	347	15:02:42.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 653.20 +/-	1O0	4	0	6,339,350:10:0	
710	1	347	15:02:43.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 653.32 +/-	1O0	4	0	6,339,350:12:1	
711	1	347	18:53:41.400	488EU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,339,578:51:0	
712	1	347	19:10:14.066	488EU6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,339,594:84:0	
713	1	347	20:11:39.533		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	1O0	4	0	6,339,655:61:2	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
714	1	347	20:11:40.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	1O0	4	0	6,339,655:63:0
715	1	347	20:56:16.733	465VB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,339,699:73:0
716	1	347	20:56:16.733		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	1O0	4	0	6,339,699:73:0
717	1	347	20:56:18.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	1O0	4	0	6,339,699:75:1
718	1	347	20:56:23.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	1O0	4	0	6,339,699:83:0
719	1	347	20:56:24.600		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	1O0	4	0	6,339,699:84:8
720	1	347	20:56:28.466		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	1O0	4	0	6,339,699:90:6
721	1	347	20:56:28.466		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	1O0	4	0	6,339,699:90:6
722	1	347	21:22:08.733		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	1O0	4	0	6,339,725:35:0
723	1	347	21:22:08.733	465VB6B	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	6,339,725:35:0
724	1	347	21:22:09.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	1O0	4	0	6,339,725:36:8
725	1	347	22:45:42.066	488EU6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,339,808:02:0
726	1	347	23:20:57.400	465VC6A	6DTRN	CMD,6DTRN,465VC6	DMS TRACK TURNAROUND	1O0	4	0	6,339,842:81:0
727	1	347	23:20:57.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	1O0	4	0	6,339,842:81:0
728	1	347	23:20:57.400		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	1O0	4	0	6,339,842:81:0
729	1	347	23:20:58.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	1O0	4	0	6,339,842:83:1
730	1	347	23:21:04.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	1O0	4	0	6,339,843:00:0
731	1	347	23:21:05.266		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	1O0	4	0	6,339,843:01:8
732	1	347	23:21:06.666		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	1O0	4	0	6,339,843:03:9
733	1	347	23:25:07.333		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	1O0	4	0	6,339,847:00:9
734	1	347	23:25:08.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	1O0	4	0	6,339,847:02:7
735	1	347	23:25:08.533		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	1O0	4	0	6,339,847:02:7
736	1	347	23:25:09.400	488EU6D	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	1O0	4	0	6,339,847:04:0
737	1	347	23:25:09.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	6,339,847:04:8
738	1	347	23:25:21.933		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	6,339,847:22:8
739	1	347	23:25:23.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	6,339,847:24:6
740	1	347	23:32:00.733	465VD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,339,853:75:0
741	1	347	23:32:00.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,339,853:75:0
742	1	347	23:32:07.400		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,339,853:85:0
743	1	347	23:32:11.266		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	1O0	4	0	6,339,853:90:8
744	1	347	23:32:11.266		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	1O0	4	0	6,339,853:90:8
745	1	348	00:03:54.733		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	1O0	4	0	6,339,885:34:0
746	1	348	00:03:54.733	465VD6B	6DMSC	RDY,1	DMS Control Tape stop	1O0	4	0	6,339,885:34:0
747	1	348	00:03:55.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	1O0	4	0	6,339,885:35:8
748	1	348	00:19:30.733	465VE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,339,900:73:0
749	1	348	00:19:30.733		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	1O0	4	0	6,339,900:73:0
750	1	348	00:19:32.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	1O0	4	0	6,339,900:75:1
751	1	348	00:19:37.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	1O0	4	0	6,339,900:83:0
752	1	348	00:19:38.600		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	1O0	4	0	6,339,900:84:8
753	1	348	00:19:42.466		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	1O0	4	0	6,339,900:90:6
754	1	348	00:19:42.466		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	1O0	4	0	6,339,900:90:6
755	1	348	00:51:38.733	465VF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,339,932:53:0
756	1	348	00:51:38.733		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	1O0	4	0	6,339,932:53:0
757	1	348	00:51:39.933		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	1O0	4	0	6,339,932:54:8
758	1	348	00:51:43.800		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	1O0	4	0	6,339,932:60:6
759	1	348	00:51:43.800		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	1O0	4	0	6,339,932:60:6
760	1	348	01:23:39.400		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	1O0	4	0	6,339,964:22:0
761	1	348	01:23:39.400	465VF6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	6,339,964:22:0
762	1	348	01:23:40.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	1O0	4	0	6,339,964:23:8
763	1	348	01:38:22.733	465VG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,339,978:73:0
764	1	348	01:38:22.733		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	1O0	4	0	6,339,978:73:0
765	1	348	01:38:24.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	1O0	4	0	6,339,978:75:1
766	1	348	01:38:29.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	1O0	4	0	6,339,978:83:0
767	1	348	01:38:30.600		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	1O0	4	0	6,339,978:84:8
768	1	348	01:38:34.466		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	1O0	4	0	6,339,978:90:6

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
769	1	348	01:38:34.466		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	1O0	4	0	6,339,978:90:6
770	1	348	02:10:30.066		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	1O0	4	0	6,340,010:52:0
771	1	348	02:10:30.066	465VH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,340,010:52:0
772	1	348	02:10:31.266		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	1O0	4	0	6,340,010:53:8
773	1	348	02:10:35.133		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	1O0	4	0	6,340,010:59:6
774	1	348	02:10:35.133		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	1O0	4	0	6,340,010:59:6
775	1	348	02:11:36.066		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	1O0	4	0	6,340,011:60:0
776	1	348	02:11:36.066	465VH6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	6,340,011:60:0
777	1	348	02:11:37.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	1O0	4	0	6,340,011:61:8
778	1	348	02:11:39.400	488EV6A	6TMSED	FILL,AH7	Sci, Eng, and D/L Chan	1O0	4	0	6,340,011:65:0
779	1	348	02:11:59.400	488EV6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,340,012:04:0
780	1	348	02:12:38.066	488EV6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,340,012:62:0
781	1	348	02:26:06.000	465VI6A	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	6,340,026:00:0
782	1	348	02:26:06.000		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	1O0	4	0	6,340,026:00:0
783	1	348	02:27:00.000		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	1O0	4	0	6,340,026:81:0
784	1	348	02:27:00.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	1O0	4	0	6,340,026:81:0
785	1	348	02:27:00.000	465VJ6A	6DTRN	CMD,6DTRN,465VJ6	DMS TRACK TURNAROUND	1O0	4	0	6,340,026:81:0
786	1	348	02:27:01.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	1O0	4	0	6,340,026:83:1
787	1	348	02:27:06.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	1O0	4	0	6,340,027:00:0
788	1	348	02:27:07.866		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	1O0	4	0	6,340,027:01:8
789	1	348	02:27:09.266		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	1O0	4	0	6,340,027:03:9
790	1	348	02:38:35.066		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	1O0	4	0	6,340,038:31:6
791	1	348	02:38:36.266		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	1O0	4	0	6,340,038:33:4
792	1	348	02:38:36.266		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	1O0	4	0	6,340,038:33:4
793	1	348	02:38:37.666		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	6,340,038:35:5
794	1	348	02:38:49.666		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	6,340,038:53:5
795	1	348	02:38:50.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	6,340,038:55:3
796	1	348	02:53:04.000	20UI4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,340,052:61:0
797	1	348	02:53:54.000	20UI4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,340,053:45:0
798	1	348	02:55:25.333	176TB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,340,055:00:0
799	1	348	20:52:51.333	488EW6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,341,120:54:0
800	1	348	22:05:39.333	488EW6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,341,192:54:0
801	1	348	22:32:29.333	488EW6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,341,219:12:0
802	1	349	02:45:33.333	488EW6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,341,469:38:0
803	1	349	02:48:54.000	488EW6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,341,472:66:0
804	1	349	18:25:32.600	488EX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,342,399:07:0
805	1	349	18:36:05.933	488EX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,342,409:47:0
806	1	349	19:01:41.933	488EX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,342,434:76:0
807	1	349	22:26:29.933	488EX6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,342,637:35:0
808	1	350	02:22:26.600	488EY6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,342,870:67:0
809	1	350	13:27:00.600	488EZ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,343,528:00:0
810	1	350	17:08:37.933	488EZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,343,747:17:0
811	1	350	18:27:33.933	488EZ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,343,825:23:0
812	1	350	18:31:35.266	488EZ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,343,829:21:0
813	1	350	18:38:13.933	488EZ6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	6,343,835:73:0
814	1	350	19:14:29.933	488FA6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,343,871:61:0
815	1	351	14:37:02.533	488FB6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,345,021:40:0
816	1	351	17:04:21.866	488FB6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,345,167:13:0
817	1	351	18:23:17.866	488FB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,345,245:19:0
818	1	351	18:30:19.866	488FB6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,345,252:15:0
819	1	351	18:31:49.866	488FB6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,345,253:59:0
820	1	351	18:42:29.866	488FC6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,345,264:18:0
821	1	351	20:47:56.533	488FC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,345,388:24:0
822	1	351	22:00:33.866	488FC6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,345,460:08:0
823	1	351	22:27:23.200	488FC6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,345,486:56:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	1	352	02:21:06.533	488FD6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,345,717:70:0	
825	1	352	02:25:25.866	488FD6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,345,722:04:0	
826	1	353	08:02:05.133	488FE6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,347,479:16:0	
827	1	353	12:29:09.800	488FE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,347,743:29:0	
828	1	353	13:31:09.800	488FE6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,347,804:58:0	
829	1	353	13:37:25.800	488FE6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,347,810:76:0	
830	1	353	15:52:05.800	488FF6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,347,944:02:0	
831	1	353	16:53:41.800	488FF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,348,004:86:0	
832	1	353	18:04:05.800	488FF6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,348,074:52:0	
833	1	353	18:40:21.733	488FF6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,348,110:40:0	
834	1	353	21:56:37.733	488FG6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,348,304:50:0	
835	1	354	03:18:45.733	488FG6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,348,623:13:0	
836	1	354	06:50:30.400	488FH6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,348,832:51:0	
837	1	354	07:17:20.400	488FH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,348,859:09:0	
838	1	354	13:31:10.400	488FI6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,349,228:75:0	
839	1	354	13:37:25.733	488FI6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,349,235:01:0	
840	1	354	22:22:07.066	488FJ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,349,753:85:0	
841	1	355	02:36:58.400	488FJ6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,350,005:90:0	
842	1	355	02:38:13.733	488FJ6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,350,007:21:0	
843	1	355	13:18:01.000	488FK6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,350,639:90:0	
844	1	355	14:30:29.666	488FK6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,350,711:61:0	
845	1	355	14:57:19.000	488FK6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,350,738:18:0	
846	1	355	17:04:21.666	488FK6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,350,863:77:0	
847	1	355	18:04:05.666	488FK6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,350,922:84:0	
848	1	355	18:10:33.666	488FL6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,350,929:29:0	
849	1	355	18:12:37.666	488FL6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,350,931:33:0	
850	1	355	18:23:17.666	488FL6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,350,941:83:0	
851	1	355	22:22:07.666	488FL6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,351,178:11:0	
852	1	355	22:22:09.666	20TA6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,351,178:14:0	
853	1	356	00:35:00.333	20TA6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,351,309:49:0	
854	1	356	03:14:29.666	488FM6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,351,467:25:0	
855	1	356	06:24:21.666	488FM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,351,655:05:0	
856	1	356	06:54:48.333	488FM6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,351,685:15:0	
857	1	356	07:00:37.666	488FM6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,351,690:84:0	
858	1	356	07:52:07.666	488FM6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,351,741:78:0	
859	1	356	07:52:09.666	20TB6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,351,741:81:0	
860	1	356	12:14:13.666	488FN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,352,001:07:0	
861	1	356	12:14:15.666	20TB6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,352,001:10:0	
862	1	356	13:18:13.666	488FN6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,352,064:34:0	
863	1	356	16:43:01.600	488FN6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,352,266:84:0	
864	1	356	17:16:12.933	488FN6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,352,299:68:0	
865	1	356	22:53:02.266	488FO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,352,632:79:0	
866	1	357	00:05:28.933	488FO6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,352,704:47:0	
867	1	357	00:32:18.266	488FO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,352,731:04:0	
868	1	357	05:33:09.600	488FP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,353,028:54:0	
869	1	357	06:32:53.600	488FP6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,353,087:61:0	
870	1	357	06:51:50.933	488FP6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,353,106:38:0	
871	1	357	07:16:23.600	488FP6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,353,130:63:0	
872	1	357	07:53:00.266	488FP6E	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	1O0	4	0	6,353,166:82:0	
873	1	357	07:56:08.266	176UQ6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,353,170:00:0	
874	1	357	08:06:00.266	20RB4C	7STAT	5.00,280.11,-23.	Stator inertial point	1O0	4	0	6,353,179:69:0	
875	1	357	08:06:12.266	20RB6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	1O0	4	0	6,353,179:87:0	
876	1	357	08:25:02.266	490UB412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,353,198:53:0	
877	1	357	08:30:00.266	490UB412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,353,203:45:0	
878	1	357	08:30:20.266	20RB4D	7STAT	17.45,280.11,-23	Stator inertial point	1O0	4	0	6,353,203:75:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	1	357	08:34:10.266	490UB412A4E	7VECT		Inert vect update UTC	1O0	4	0	6,353,207:56:0	
880	1	357	08:34:14.266	490UB412A4F	7TURN	2,RTH	ALERT Thruster	1O0	4	0	6,353,207:62:0	
881	1	357	08:38:02.266	490UB412A406A4A	7STAR	1,1307,23.966,-5	Star catalog update	1O0	4	0	6,353,211:40:0	
882	1	357	08:38:04.266	490UB412A406A4B	7STAR	2,333,138.16	Star catalog update	1O0	4	0	6,353,211:43:0	
883	1	357	08:38:06.266	490UB412A406A4C	7STAR	3,205,181.44	Star catalog update	1O0	4	0	6,353,211:46:0	
884	1	357	08:38:08.266	490UB412A406A4D	7STAR	4,770,213.3312,1	Star catalog update	1O0	4	0	6,353,211:49:0	
885	1	357	08:38:10.266	490UB412A406A4E	7STAR	5,112,10.2729,-1	Star catalog update	1O0	4	0	6,353,211:52:0	
886	1	357	08:38:12.266	490UB412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	1O0	4	0	6,353,211:55:0	
887	1	357	08:48:06.266	20RB4F	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,353,221:36:0	
888	1	357	08:56:10.266	490UB412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,353,229:34:0	
889	1	357	10:30:04.266	20UH4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,353,322:22:0	
890	1	357	10:30:54.266	20UH4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,353,323:06:0	
891	1	357	10:31:00.266	488FQ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,353,323:15:0	
892	1	357	10:32:51.600	176UB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,353,325:00:0	
893	1	357	12:14:13.600	488FQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,353,425:23:0	
894	1	357	13:54:29.600	488FQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,353,524:38:0	
895	1	357	14:09:49.600	488FQ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,353,539:53:0	
896	1	357	14:15:49.600	488FQ6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,353,545:47:0	
897	1	357	20:33:02.266	488FR6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,353,918:53:0	
898	1	357	21:45:27.600	488FR6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,353,990:19:0	
899	1	357	22:12:16.933	488FR6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,354,016:67:0	
900	1	358	02:21:13.533	488FR6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,354,262:86:0	
901	1	358	02:25:25.533	488FR6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,354,267:09:0	
902	1	358	06:07:09.533	488FS6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,354,486:36:0	
903	1	358	11:07:36.866	20TC6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,354,783:50:0	
904	1	358	11:17:36.866	488FS6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,354,793:40:0	
905	1	358	13:07:09.533	488FT6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,354,901:71:0	
906	1	358	16:34:29.533	488FT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,355,106:76:0	
907	1	358	16:56:13.533	488FT6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,355,128:30:0	
908	1	359	02:58:03.533	488FU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,355,723:50:0	
909	1	359	03:27:17.533	488FU6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,355,752:42:0	
910	1	359	07:02:36.866	488FU6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,355,965:38:0	
911	1	360	00:37:10.133	488FV6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,357,008:35:0	
912	1	360	02:59:33.466	488FV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,357,149:19:0	
913	1	360	06:09:25.466	488FV6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,357,336:90:0	
914	1	360	06:34:50.800	488FV6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,357,362:12:0	
915	1	360	06:41:25.466	488FW6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,357,368:58:0	
916	1	360	15:37:10.133	488FX6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,357,898:45:0	
917	1	360	16:23:49.466	488FX6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,357,944:58:0	
918	1	360	17:34:13.466	488FX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,358,014:24:0	
919	1	360	17:51:17.466	488FX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,358,031:13:0	
920	1	360	18:49:03.466	488FX6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,358,088:25:0	
921	1	360	19:10:13.466	488FY6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,358,109:19:0	
922	1	360	19:16:15.466	488FY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,358,115:16:0	
923	1	361	02:26:13.400	488FZ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,358,540:38:0	
924	1	361	02:31:49.400	488FZ6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,358,545:87:0	
925	1	361	15:17:10.066	488GA6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,359,302:81:0	
926	1	361	16:19:33.400	488GA6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,359,364:54:0	
927	1	361	17:27:49.400	488GA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,359,432:10:0	
928	1	361	18:06:13.400	488GA6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,359,470:08:0	
929	1	361	21:11:49.400	488GA6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,359,653:59:0	
930	1	362	02:53:09.400	488GB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,359,991:21:0	
931	1	362	05:58:45.400	488GB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,360,174:72:0	
932	1	362	06:14:50.733	488GB6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,360,190:64:0	
933	1	362	06:22:13.400	488GB6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,360,198:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	1	362	21:03:03.333	488GC6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,361,069:14:0	
935	1	362	21:16:05.333	488GC6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,361,082:04:0	
936	1	362	23:56:48.666	176UT6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,361,241:00:0	
937	1	363	00:02:00.000	20UV4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,361,246:12:0	
938	1	363	00:03:00.000	20UV4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	1O0	4	0	6,361,247:11:0	
939	1	363	00:05:00.000	20UV4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,361,249:09:0	
940	1	363	00:10:30.000	20UV4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	1O0	4	0	6,361,254:49:0	
941	1	363	00:10:30.666	20UV4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	1O0	4	0	6,361,254:50:0	
942	1	363	00:10:50.666	20UV4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	1O0	4	0	6,361,254:80:0	
943	1	363	00:10:51.333	20UV4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	1O0	4	0	6,361,254:81:0	
944	1	363	00:11:11.333	20UV4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	6,361,255:20:0	
945	1	363	00:11:12.000	20UV4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	6,361,255:21:0	
946	1	363	00:11:22.000	20UV4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	6,361,255:36:0	
947	1	363	00:11:22.666	20UV4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	6,361,255:37:0	
948	1	363	00:11:32.666	20UV4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	1O0	4	0	6,361,255:52:0	
949	1	363	00:11:33.333	20UV4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	1O0	4	0	6,361,255:53:0	
950	1	363	00:13:20.000	20UV4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	1O0	4	0	6,361,257:31:0	
951	1	363	00:13:20.666	20UV4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	1O0	4	0	6,361,257:32:0	
952	1	363	00:13:40.666	20UV4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	1O0	4	0	6,361,257:62:0	
953	1	363	00:13:41.333	20UV4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	1O0	4	0	6,361,257:63:0	
954	1	363	00:14:01.333	20UV4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	6,361,258:02:0	
955	1	363	00:14:02.000	20UV4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	6,361,258:03:0	
956	1	363	00:14:12.000	20UV4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	6,361,258:18:0	
957	1	363	00:14:12.666	20UV4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	6,361,258:19:0	
958	1	363	00:14:22.666	20UV4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	1O0	4	0	6,361,258:34:0	
959	1	363	00:14:23.333	20UV4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	1O0	4	0	6,361,258:35:0	
960	1	363	00:15:20.000	20UV4Z	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,361,259:29:0	
961	1	363	00:40:04.000	20UX4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,361,283:71:0	
962	1	363	00:40:54.000	20UX4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,361,284:55:0	
963	1	363	00:42:18.666	176UU6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,361,286:00:0	
964	1	363	02:48:53.333	488GC6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,361,411:17:0	
965	1	363	04:14:13.333	488GD6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,361,495:53:0	
966	1	363	11:12:36.666	488GE6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,361,909:34:0	
967	1	363	13:27:10.000	488GE6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,362,042:41:0	
968	1	363	16:08:53.333	488GE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,362,202:36:0	
969	1	363	17:27:49.266	488GF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,362,280:42:0	
970	1	363	17:29:50.600	488GF6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,362,282:42:0	
971	1	363	17:36:21.266	488GF6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,362,288:82:0	
972	1	363	22:13:03.266	488GF6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,362,562:51:0	
973	1	363	23:25:27.933	488GF6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,362,634:16:0	
974	1	363	23:52:17.266	488GG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,362,660:64:0	
975	1	364	00:59:59.933	481UA4A	7VECT		Inert vect update UTC	1O0	4	0	6,362,727:61:0	
976	1	364	05:03:17.266	488GG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,362,968:26:0	
977	1	364	06:07:57.266	488GH6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,363,032:22:0	
978	1	364	06:09:25.266	488GH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,363,033:63:0	
979	1	364	06:17:57.266	488GH6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,363,042:12:0	
980	1	364	12:57:08.600	488GI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,363,436:85:0	
981	1	364	16:04:37.266	488GI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,363,622:32:0	
982	1	364	17:23:33.266	488GI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,363,700:38:0	
983	1	364	17:24:49.266	488GI6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,363,701:61:0	
984	1	364	17:32:05.266	488GI6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,363,708:78:0	
985	1	364	22:12:08.600	488GJ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,363,985:76:0	
986	1	365	02:33:57.266	488GJ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,364,244:70:0	
987	1	365	04:41:12.533	488GK6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,364,370:57:0	
988	1	365	04:46:13.200	488GK6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,364,375:53:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
989	1	365	12:57:08.533	488GL6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,364,861:10:0
990	1	365	15:58:13.200	488GL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,365,040:18:0
991	1	365	17:19:17.200	488GL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,365,120:34:0
992	1	365	17:22:02.533	488GL6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,365,123:09:0
993	1	365	17:36:21.200	488GL6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,365,137:23:0
994	2	1	12:52:07.800	488GM6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,366,280:30:0
995	2	1	15:53:57.133	488GM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,366,460:14:0
996	2	1	17:12:53.133	488GM6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,366,538:20:0
997	2	1	17:17:53.133	488GM6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,366,543:15:0
998	2	1	17:19:17.133	488GM6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,366,544:50:0
999	2	2	17:00:39.133	488GN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,367,950:27:0
1000	2	2	17:17:09.133	488GN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,367,966:56:0
1001	2	2	18:19:07.800	488GN6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,368,027:83:0
1002	2	2	18:40:21.133	488GN6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,368,048:82:0
1003	2	2	18:46:20.466	488GN6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,368,054:75:0
1004	2	3	05:10:31.733	488GO6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,368,672:14:0
1005	2	3	05:42:21.066	488GO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,368,703:57:0
1006	2	3	11:01:09.733	488GO6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,369,018:85:0
1007	2	3	20:42:58.400	488GP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,369,594:32:0
1008	2	3	20:56:53.066	488GP6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,369,608:10:0
1009	2	4	02:08:21.066	488GP6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,369,916:14:0
1010	2	4	05:28:53.066	488GQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,370,114:44:0
1011	2	4	05:54:43.733	488GQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,370,140:04:0
1012	2	4	06:03:50.400	488GQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,370,149:05:0
1013	2	4	06:15:49.066	488GQ6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,370,160:82:0
1014	2	4	11:14:29.000	488GQ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,370,456:26:0
1015	**2**	**4**	**12:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**1O0**	**4**	**0**	**6,370,501:27:5**
1016	**2**	**4**	**12:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**1O0**	**4**	**0**	**6,370,501:27:5**
1017	**2**	**4**	**12:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**6,370,501:27:5**
1018	**2**	**4**	**12:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**1O0**	**4**	**0**	**6,370,501:27:5**
1019	**2**	**4**	**12:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**6,370,501:27:5**
1020	**2**	**4**	**12:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**6,370,501:27:5**
1021	**2**	**4**	**12:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**1O0**	**4**	**0**	**6,370,501:27:5**
1022	**2**	**4**	**12:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**6,370,501:27:5**
1023	**2**	**4**	**12:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**6,370,501:27:5**
1024	2	4	12:00:00.333		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,370,501:28:0

Sequence: I32C-AR Created: 3/13/02 Begin: 02-004/12:00:00 Finish: 02-015/02:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	**2**	**4**	**12:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**1O0**	**4**	**0**	**6,370,501:27:5**
2	**2**	**4**	**12:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**6,370,501:27:5**
3	**2**	**4**	**12:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**1O0**	**4**	**0**	**6,370,501:27:5**
4	**2**	**4**	**12:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**6,370,501:27:5**
5	**2**	**4**	**12:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**1O0**	**4**	**0**	**6,370,501:27:5**
6	**2**	**4**	**12:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**6,370,501:27:5**
7	**2**	**4**	**12:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**6,370,501:27:5**
8	**2**	**4**	**12:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**1O0**	**4**	**0**	**6,370,501:27:5**
9	**2**	**4**	**12:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**6,370,501:27:5**
10	2	4	12:00:00.333		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,370,501:28:0
11	2	4	12:01:25.000	488AA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,370,502:64:0
12	2	4	12:02:43.000	432JA431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	1O0	4	0	6,370,503:90:0
13	2	4	12:02:43.666	432JA6A	6RTSL1		R/T Select of DDS and	1O0	4	0	6,370,504:00:0
14	2	4	12:02:43.666	432JA6B	6RTSL2	NIMNCG,AACSEL,RT	AACS SELECT	1O0	4	0	6,370,504:00:0
15	2	4	12:31:07.666	488AA6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,370,532:08:0
16	2	4	12:35:33.000	488AA6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,370,536:42:0
17	2	4	12:42:03.666	488AA6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,370,542:82:0
18	2	4	15:39:01.000	488AA6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,370,717:83:0
19	2	4	16:57:57.000	488AB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,370,795:89:0
20	2	4	17:02:52.333	488AB6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,370,800:77:0
21	2	4	17:04:21.000	488AB6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,370,802:28:0
22	2	4	17:12:53.000	488AB6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,370,810:68:0
23	2	4	21:47:56.333	488AB6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,371,082:71:0
24	2	4	23:00:33.666	488AC6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,371,154:55:0
25	2	4	23:27:23.000	488AC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,371,181:12:0
26	2	5	03:48:37.000	488AC6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,371,439:45:0
27	2	5	05:06:57.000	488AD6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,371,516:88:0
28	2	5	05:31:29.666	488AD6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,371,541:22:0
29	2	5	11:02:29.666	488AD6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,371,868:55:0
30	2	5	12:42:01.666	488AE6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,371,967:04:0
31	2	5	15:32:37.000	488AE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,372,135:69:0
32	2	5	16:57:36.333	488AE6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,372,219:74:0
33	2	5	16:57:57.000	488AE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,372,220:14:0
34	2	5	17:06:29.000	488AE6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,372,228:54:0
35	2	5	20:17:54.933	488AF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,372,417:84:0
36	2	5	21:30:35.600	488AF6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,372,489:73:0
37	2	5	21:57:24.933	488AF6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,372,516:30:0
38	2	6	02:46:04.933	488AG6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,372,801:75:0
39	2	6	02:51:00.933	488AG6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,372,806:64:0
40	2	6	04:12:00.933	488AG6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,372,886:74:0
41	2	6	11:03:48.933	488AH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,373,294:08:0
42	2	6	12:29:08.933	488AH6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,373,378:44:0
43	2	6	15:28:20.933	488AH6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,373,555:65:0
44	2	6	16:52:57.600	488AH6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,373,639:36:0
45	2	6	16:53:40.933	488AH6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,373,640:10:0
46	2	6	17:02:12.933	488AI6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,373,648:50:0
47	2	6	19:57:52.933	488AI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,373,822:26:0
48	2	6	21:10:36.933	488AI6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,373,894:20:0
49	2	6	21:37:26.266	488AI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,373,920:68:0
50	2	7	05:30:37.533	488AJ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,374,388:67:0
51	2	7	06:02:27.533	488AJ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,374,420:20:0
52	2	7	12:12:04.866	488AK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,374,785:71:0
53	2	7	12:18:28.866	488AK6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,374,792:10:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
54	2	7	14:02:01.533	488AK6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,374,894:47:0
55	2	7	14:26:34.866	488AK6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,374,918:73:0
56	2	7	15:24:04.866	488AK6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,374,975:61:0
57	2	7	16:49:24.866	488AL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,375,060:06:0
58	2	7	16:51:52.200	488AL6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,375,062:45:0
59	2	7	17:06:28.866	488AL6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,375,076:86:0
60	2	8	00:28:44.866	488AM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,375,514:32:0
61	2	8	00:40:52.866	488AM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,375,526:32:0
62	2	8	02:25:24.866	488AM6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,375,629:67:0
63	2	8	10:53:08.866	488AN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,376,131:81:0
64	2	8	10:56:00.866	488AN6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,376,134:66:0
65	2	8	11:01:40.866	488AN6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,376,140:30:0
66	2	8	22:16:56.133	488AO6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,376,808:15:0
67	2	9	01:27:48.800	488AO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,376,996:86:0
68	2	9	05:03:16.800	488AP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,377,210:04:0
69	2	9	05:34:35.466	488AP6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,377,241:01:0
70	2	9	05:41:40.800	488AP6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,377,248:02:0
71	2	9	05:57:48.133	488AP6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,377,263:88:0
72	2	9	07:10:41.466	488AP6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,377,336:05:0
73	2	9	07:37:31.466	488AQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,377,362:54:0
74	2	9	12:03:32.800	488AQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,377,625:63:0
75	2	9	12:48:50.800	488AQ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,377,670:45:0
76	2	9	12:52:36.800	488AQ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,377,674:20:0
77	2	9	16:25:27.466	488AR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,377,884:66:0
78	2	9	16:45:08.800	488AR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,377,904:18:0
79	2	9	17:44:19.466	488AR6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,377,962:66:0
80	2	9	18:06:12.800	488AR6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,377,984:34:0
81	2	9	18:11:42.133	488AR6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,377,989:73:0
82	2	10	04:07:48.733	488AS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,378,579:33:0
83	2	10	05:18:12.733	488AS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,378,648:90:0
84	2	10	05:26:35.400	488AS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,378,657:25:0
85	2	10	05:50:12.733	488AS6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,378,680:58:0
86	2	10	09:02:45.400	488AS6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,378,871:06:0
87	2	10	09:53:00.066	488AT6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	1O0	4	0	6,378,920:69:0
88	2	10	09:56:16.733	176UR6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,378,924:00:0
89	2	10	10:06:00.066	20RC4C	7STAT	5.00,277.83,-23.	Stator inertial point	1O0	4	0	6,378,933:56:0
90	2	10	10:06:12.066	20RC6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	1O0	4	0	6,378,933:74:0
91	2	10	10:25:02.066	490UC412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,378,952:40:0
92	2	10	10:25:24.733	488AT6B	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	1O0	4	0	6,378,952:74:0
93	2	10	10:30:00.066	490UC412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,378,957:32:0
94	2	10	10:30:20.066	20RC4D	7STAT	17.45,277.83,-23	Stator inertial point	1O0	4	0	6,378,957:62:0
95	2	10	10:34:10.066	490UC412A4E	7VECT		Inert vect update UTC	1O0	4	0	6,378,961:43:0
96	2	10	10:34:14.066	490UC412A4F	7TURN	2,RTH	ALERT Thruster	1O0	4	0	6,378,961:49:0
97	2	10	10:38:02.066	490UC412A406A4A	7STAR	1,1235,23.966,-5	Star catalog update	1O0	4	0	6,378,965:27:0
98	2	10	10:38:04.066	490UC412A406A4B	7STAR	2,333,138.16	Star catalog update	1O0	4	0	6,378,965:30:0
99	2	10	10:38:06.066	490UC412A406A4C	7STAR	3,110,186.82	Star catalog update	1O0	4	0	6,378,965:33:0
100	2	10	10:38:08.066	490UC412A406A4D	7STAR	4,185,345.57	Star catalog update	1O0	4	0	6,378,965:36:0
101	2	10	10:38:10.066	490UC412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	1O0	4	0	6,378,965:39:0
102	2	10	10:38:12.066	490UC412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	1O0	4	0	6,378,965:42:0
103	2	10	10:48:06.066	20RC4F	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,378,975:23:0
104	2	10	10:56:10.066	490UC412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,378,983:21:0
105	2	10	12:30:04.066	20UK4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,379,076:09:0
106	2	10	12:30:54.066	20UK4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,379,076:84:0
107	2	10	12:31:00.066	488AT6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,379,077:02:0
108	2	10	12:33:00.066	176UC6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,379,079:00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
109	2	10	15:09:08.733	488AT6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,379,233:39:0
110	2	10	16:32:20.733	488AU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,379,315:65:0
111	2	10	16:51:32.733	488AU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,379,334:64:0
112	2	10	17:44:22.733	488AU6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,379,386:87:0
113	2	10	18:06:12.733	488AU6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,379,408:50:0
114	2	10	18:11:44.733	488AU6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,379,414:02:0
115	2	11	04:03:32.733	488AV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,379,999:29:0
116	2	11	04:37:40.733	488AV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,380,033:07:0
117	2	11	05:25:46.733	488AV6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,380,080:59:0
118	2	11	06:17:36.066	488AV6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,380,131:82:0
119	2	11	10:00:00.066	481UB4A	7VECT	BB1	Inert vect update UTC	1O0	4	0	6,380,351:78:0
120	2	11	10:15:53.400	488AW6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,380,367:52:0
121	2	11	19:52:42.000	488AX6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,380,938:04:0
122	2	11	20:56:52.666	488AX6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,381,001:47:0
123	2	12	00:47:16.666	488AX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,381,229:35:0
124	2	12	04:48:20.666	488AY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,381,467:73:0
125	2	12	05:13:56.666	488AY6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,381,493:11:0
126	2	12	10:33:56.666	488AY6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,381,809:55:0
127	2	12	11:00:50.666	488AZ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,381,836:19:0
128	2	12	20:22:39.333	488BA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,382,391:77:0
129	2	12	21:35:51.933	488BA6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,382,464:23:0
130	2	12	22:02:41.266	488BA6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,382,490:71:0
131	2	13	03:20:52.600	488BB6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,382,805:43:0
132	2	13	03:52:41.933	488BB6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,382,836:86:0
133	2	13	11:42:12.600	488BC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,383,301:27:0
134	2	13	12:32:20.600	488BC6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,383,350:80:0
135	2	13	12:33:24.600	488BC6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,383,351:85:0
136	2	13	12:41:56.600	488BC6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,383,360:34:0
137	2	13	19:57:35.933	488BD6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,383,791:22:0
138	2	13	21:10:54.600	488BD6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,383,863:68:0
139	2	13	21:37:43.933	488BD6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,383,890:25:0
140	2	14	01:49:13.266	176SJ6A	6TMREC	**TPB**	TERMINATE PLAYBACK (PB CONTROL) Record Mo	1O0	4	0	6,384,139:00:0
141	2	14	03:48:36.600	488BE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,384,257:07:0
142	2	14	04:05:40.600	488BE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,384,273:87:0
143	2	14	05:10:55.933	488BE6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,384,338:45:0
144	2	14	05:42:45.266	488BE6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,384,369:88:0
145	2	14	06:03:59.933	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	6,384,390:89:0
146	2	14	06:07:11.266	20YC6A	6HICON			1O0	4	0	6,384,394:12:0
147	2	14	06:08:03.933	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	1O0	4	0	6,384,395:00:0
148	2	14	08:24:33.866		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,384,530:00:0
149	2	14	08:24:33.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,384,530:00:0
150	2	14	08:24:33.866		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,384,530:00:0
151	2	14	08:24:33.866	465WA6A	6DMST	5050	DMS Slew to TIC	1O0	4	0	6,384,530:00:0
152	2	14	08:24:40.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,384,530:10:0
153	2	14	08:24:41.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	1O0	4	0	6,384,530:12:1
154	2	14	11:00:44.533	488BF6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,384,684:42:0
155	2	14	11:05:56.533	488BF6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,384,689:55:0
156	2	14	12:21:40.533	488BF6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	6,384,764:46:0
157	2	14	14:09:16.000		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *5047.94 +/-	1O0	4	0	6,384,870:83:2
158	2	14	14:09:17.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5048.00 +/-	1O0	4	0	6,384,870:85:0
159	2	14	14:22:17.866		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 5048.00 +/-	1O0	4	0	6,384,883:73:0
160	2	14	14:22:17.866	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,384,883:73:0
161	2	14	14:22:19.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5048.12 +/-	1O0	4	0	6,384,883:75:1
162	2	14	14:22:24.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5049.35 +/-	1O0	4	0	6,384,883:83:0
163	2	14	14:22:25.733		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *5049.41 +/-	1O0	4	0	6,384,883:84:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
164	2	14	14:22:29.600		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *5043.91 +/-	1O0	4	0	6,384,883:90:6
165	2	14	14:22:29.600		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 5043.91 +/-	1O0	4	0	6,384,883:90:6
166	2	14	14:43:32.533	488BF6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,384,904:74:0
167	2	14	14:48:09.866		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 305.79 +/-	1O0	4	0	6,384,909:35:0
168	2	14	14:48:09.866	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	6,384,909:35:0
169	2	14	14:48:11.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 304.99 +/-	1O0	4	0	6,384,909:36:8
170	2	14	16:08:52.533	488BF6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,384,989:19:0
171	2	14	16:25:56.533	488BG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,385,006:08:0
172	2	14	16:46:58.533	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	1O0	4	0	6,385,026:81:0
173	2	14	16:46:58.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 304.99 +/-	1O0	4	0	6,385,026:81:0
174	2	14	16:46:58.533		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 304.99 +/-	1O0	4	0	6,385,026:81:0
175	2	14	16:46:59.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 305.11 +/-	1O0	4	0	6,385,026:83:1
176	2	14	16:47:05.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 306.34 +/-	1O0	4	0	6,385,027:00:0
177	2	14	16:47:06.400		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 306.40 +/-	1O0	4	0	6,385,027:01:8
178	2	14	16:47:07.800		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 306.28 +/-	1O0	4	0	6,385,027:03:9
179	2	14	16:54:41.800		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	1O0	4	0	6,385,034:47:9
180	2	14	16:54:43.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	1O0	4	0	6,385,034:49:7
181	2	14	16:54:43.000		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	1O0	4	0	6,385,034:49:7
182	2	14	16:54:44.400		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	6,385,034:51:8
183	2	14	16:54:56.400		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	6,385,034:69:8
184	2	14	16:54:57.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	6,385,034:71:6
185	2	14	16:55:09.200	488BG6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	6,385,034:89:0
186	2	14	17:01:03.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,385,040:75:0
187	2	14	17:01:03.866	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,385,040:75:0
188	2	14	17:01:10.533		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,385,040:85:0
189	2	14	17:01:14.400		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	1O0	4	0	6,385,040:90:8
190	2	14	17:01:14.400		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	1O0	4	0	6,385,040:90:8
191	2	14	17:24:33.200	488BG6C	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	1O0	4	0	6,385,064:05:0
192	2	14	17:32:57.866		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	1O0	4	0	6,385,072:34:0
193	2	14	17:32:57.866	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	1O0	4	0	6,385,072:34:0
194	2	14	17:32:59.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	1O0	4	0	6,385,072:35:8
195	2	14	17:47:00.533	488BG6D	6TMSED	FILL,AH6	Sci, Eng, and D/L Chan	1O0	4	0	6,385,086:24:0
196	2	14	17:48:33.866	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,385,087:73:0
197	2	14	17:48:33.866		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	1O0	4	0	6,385,087:73:0
198	2	14	17:48:35.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	1O0	4	0	6,385,087:75:1
199	2	14	17:48:40.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	1O0	4	0	6,385,087:83:0
200	2	14	17:48:41.733		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	1O0	4	0	6,385,087:84:8
201	2	14	17:48:45.600		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	1O0	4	0	6,385,087:90:6
202	2	14	17:48:45.600		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	1O0	4	0	6,385,087:90:6
203	2	14	17:52:04.533	488BG6E	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	1O0	4	0	6,385,091:25:0
204	2	14	18:20:41.866		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	1O0	4	0	6,385,119:53:0
205	2	14	18:20:41.866	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,385,119:53:0
206	2	14	18:20:43.066		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	1O0	4	0	6,385,119:54:8
207	2	14	18:20:46.933		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	1O0	4	0	6,385,119:60:6
208	2	14	18:20:46.933		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	1O0	4	0	6,385,119:60:6
209	2	14	18:52:42.533	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	6,385,151:22:0
210	2	14	18:52:42.533		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	1O0	4	0	6,385,151:22:0
211	2	14	18:52:43.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	1O0	4	0	6,385,151:23:8
212	2	14	19:07:25.866		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	1O0	4	0	6,385,165:73:0
213	2	14	19:07:25.866	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,385,165:73:0
214	2	14	19:07:27.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	1O0	4	0	6,385,165:75:1
215	2	14	19:07:32.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	1O0	4	0	6,385,165:83:0
216	2	14	19:07:33.733		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	1O0	4	0	6,385,165:84:8
217	2	14	19:07:37.600		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	1O0	4	0	6,385,165:90:6
218	2	14	19:07:37.600		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	1O0	4	0	6,385,165:90:6

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	2	14	19:39:33.200	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,385,197:52:0	
220	2	14	19:39:33.200		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	1O0	4	0	6,385,197:52:0	
221	2	14	19:39:34.400		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	1O0	4	0	6,385,197:53:8	
222	2	14	19:39:38.266		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	1O0	4	0	6,385,197:59:6	
223	2	14	19:39:38.266		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	1O0	4	0	6,385,197:59:6	
224	2	14	19:40:39.200	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	6,385,198:60:0	
225	2	14	19:40:39.200		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	1O0	4	0	6,385,198:60:0	
226	2	14	19:40:40.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	1O0	4	0	6,385,198:61:8	
227	2	14	19:55:09.200		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	1O0	4	0	6,385,213:00:0	
228	2	14	19:55:09.200	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	6,385,213:00:0	
229	2	14	19:56:03.200		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	1O0	4	0	6,385,213:81:0	
230	2	14	19:56:03.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	1O0	4	0	6,385,213:81:0	
231	2	14	19:56:03.200	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	1O0	4	0	6,385,213:81:0	
232	2	14	19:56:04.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	1O0	4	0	6,385,213:83:1	
233	2	14	19:56:09.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	1O0	4	0	6,385,214:00:0	
234	2	14	19:56:11.066		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	1O0	4	0	6,385,214:01:8	
235	2	14	19:56:12.466		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	1O0	4	0	6,385,214:03:9	
236	2	14	20:07:38.266		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	1O0	4	0	6,385,225:31:6	
237	2	14	20:07:39.466		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	1O0	4	0	6,385,225:33:4	
238	2	14	20:07:39.466		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	1O0	4	0	6,385,225:33:4	
239	2	14	20:07:40.866		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	6,385,225:35:5	
240	2	14	20:07:52.866		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	6,385,225:53:5	
241	2	14	20:07:54.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	6,385,225:55:3	
242	2	15	01:30:59.866	488BH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,385,545:14:0	
243	2	15	01:59:59.866		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,385,573:76:0	
244	**2**	**15**	**02:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**1O0**	**4**	**0**	**6,385,573:76:2**	
245	**2**	**15**	**02:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**6,385,573:76:2**	
246	**2**	**15**	**02:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**6,385,573:76:2**	
247	**2**	**15**	**02:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**1O0**	**4**	**0**	**6,385,573:76:2**	
248	**2**	**15**	**02:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**6,385,573:76:2**	
249	**2**	**15**	**02:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**1O0**	**4**	**0**	**6,385,573:76:2**	
250	**2**	**15**	**02:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**1O0**	**4**	**0**	**6,385,573:76:2**	
251	**2**	**15**	**02:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**6,385,573:76:2**	
252	**2**	**15**	**02:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**6,385,573:76:2**	

32INTHPELE01

OAPEL:	32INTHPELE01	ALIAS:	32INTHPELE01
EXT:	A	PSID:	DA
SCLK1:	06255877:89:0	SCLK2:	06255881:85:0
SCET1:	01-289/00:23:09.466	SCET2:	01-289/00:27:08.800
TARGET:	IO	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:	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	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	039FF	0,0011,1001,1111,1111
13	00000	0,0000,0000,0000,0000
14	039FF	0,0011,1001,1111,1111
15	00000	0,0000,0000,0000,0000
16	039FF	0,0011,1001,1111,1111
17	00000	0,0000,0000,0000,0000
18	039FF	0,0011,1001,1111,1111
19	00000	0,0000,0000,0000,0000
20	039FF	0,0011,1001,1111,1111
21	00000	0,0000,0000,0000,0000
22	039FF	0,0011,1001,1111,1111
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INTHPELE01

```
OAPEL:  32INTHPELE01            ALIAS:  32INTHPELE01
EXT:    B                       PSID:   DA
SCLK1:  06255877:89:0           SCLK2:  06255881:85:0
SCET1:    01-289/00:23:09.466   SCET2:    01-289/00:27:08.800
TARGET: IO                      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:   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	00000	0,0000,0000,0000,0000
1	039FF	0,0011,1001,1111,1111
2	00000	0,0000,0000,0000,0000
3	039FF	0,0011,1001,1111,1111
4	00000	0,0000,0000,0000,0000
5	039FF	0,0011,1001,1111,1111
6	00000	0,0000,0000,0000,0000
7	039FF	0,0011,1001,1111,1111
8	00000	0,0000,0000,0000,0000
9	039FF	0,0011,1001,1111,1111
10	00000	0,0000,0000,0000,0000
11	039FF	0,0011,1001,1111,1111
12	00000	0,0000,0000,0000,0000
13	039FF	0,0011,1001,1111,1111
14	00000	0,0000,0000,0000,0000
15	039FF	0,0011,1001,1111,1111
16	00000	0,0000,0000,0000,0000
17	039FF	0,0011,1001,1111,1111
18	00000	0,0000,0000,0000,0000
19	039FF	0,0011,1001,1111,1111
20	00000	0,0000,0000,0000,0000
21	039FF	0,0011,1001,1111,1111
22	00000	0,0000,0000,0000,0000
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INTHPELE01

```
OAPEL:  32INTHPELE01             ALIAS:  32INTHPELE01
EXT:    C                        PSID:   DA
SCLK1:  06255877:89:0            SCLK2:  06255881:85:0
SCET1:    01-289/00:23:09.466   SCET2:    01-289/00:27:08.800
TARGET: IO                       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:   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

32INTHPELE01

OAPEL:	32INTHPELE01	ALIAS:	32INTHPELE01
EXT:	D	PSID:	DA
SCLK1:	06255877:89:0	SCLK2:	06255881:85:0
SCET1:	01-289/00:23:09.466	SCET2:	01-289/00:27:08.800
TARGET:	IO	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:	72	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: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18400	1,1000,0100,0000,0000
1	18400	1,1000,0100,0000,0000
2	18400	1,1000,0100,0000,0000
3	18400	1,1000,0100,0000,0000
4	18400	1,1000,0100,0000,0000
5	18400	1,1000,0100,0000,0000
6	18400	1,1000,0100,0000,0000
7	18400	1,1000,0100,0000,0000
8	18400	1,1000,0100,0000,0000
9	18400	1,1000,0100,0000,0000
10	18400	1,1000,0100,0000,0000
11	18400	1,1000,0100,0000,0000
12	18400	1,1000,0100,0000,0000
13	18400	1,1000,0100,0000,0000
14	18400	1,1000,0100,0000,0000
15	18400	1,1000,0100,0000,0000
16	18400	1,1000,0100,0000,0000
17	18400	1,1000,0100,0000,0000
18	18400	1,1000,0100,0000,0000
19	18400	1,1000,0100,0000,0000
20	18400	1,1000,0100,0000,0000
21	18400	1,1000,0100,0000,0000
22	18400	1,1000,0100,0000,0000
23	18400	1,1000,0100,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INTHPELE01

OAPEL:	32INTHPELE01	ALIAS:	32INTHPELE01
EXT:	I	PSID:	DA
SCLK1:	06255877:89:0	SCLK2:	06255881:85:0
SCET1:	01-289/00:23:09.466	SCET2:	01-289/00:27:08.800
TARGET:	IO	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

32INTHLOKI01

OAPEL:	32INTHLOKI01	ALIAS:	32INTHLOKI01
EXT:	A	PSID:	DB
SCLK1:	06255908:89:0	SCLK2:	06255918:87:0
SCET1:	01-289/00:54:29.466	SCET2:	01-289/01:04:34.800
TARGET:	IO	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:	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	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	039FF	0,0011,1001,1111,1111
13	00000	0,0000,0000,0000,0000
14	039FF	0,0011,1001,1111,1111
15	00000	0,0000,0000,0000,0000
16	039FF	0,0011,1001,1111,1111
17	00000	0,0000,0000,0000,0000
18	039FF	0,0011,1001,1111,1111
19	00000	0,0000,0000,0000,0000
20	039FF	0,0011,1001,1111,1111
21	00000	0,0000,0000,0000,0000
22	039FF	0,0011,1001,1111,1111
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INTHLOKI01

OAPEL: 32INTHLOKI01
EXT: B
SCLK1: 06255908:89:0
SCET1: 01-289/00:54:29.466
TARGET: IO

ALIAS: 32INTHLOKI01
PSID: DB
SCLK2: 06255918:87:0
SCET2: 01-289/01:04:34.800
PARTITION: 1

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

GAIN: 1
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: 144

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: 0326144001 03 26 144 001
WTGRP_SIZ: 26

EDIT TABLE

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

32INTHLOKI01

OAPEL:	32INTHLOKI01	ALIAS:	32INTHLOKI01
EXT:	C	PSID:	DB
SCLK1:	06255908:89:0	SCLK2:	06255918:87:0
SCET1:	01-289/00:54:29.466	SCET2:	01-289/01:04:34.800
TARGET:	IO	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:	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

32INTHLOKI01

OAPEL:	32INTHLOKI01	ALIAS:	32INTHLOKI01
EXT:	D	PSID:	DB
SCLK1:	06255908:89:0	SCLK2:	06255918:87:0
SCET1:	01-289/00:54:29.466	SCET2:	01-289/01:04:34.800
TARGET:	IO	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:	72	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: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18400	1,1000,0100,0000,0000
1	18400	1,1000,0100,0000,0000
2	18400	1,1000,0100,0000,0000
3	18400	1,1000,0100,0000,0000
4	18400	1,1000,0100,0000,0000
5	18400	1,1000,0100,0000,0000
6	18400	1,1000,0100,0000,0000
7	18400	1,1000,0100,0000,0000
8	18400	1,1000,0100,0000,0000
9	18400	1,1000,0100,0000,0000
10	18400	1,1000,0100,0000,0000
11	18400	1,1000,0100,0000,0000
12	18400	1,1000,0100,0000,0000
13	18400	1,1000,0100,0000,0000
14	18400	1,1000,0100,0000,0000
15	18400	1,1000,0100,0000,0000
16	18400	1,1000,0100,0000,0000
17	18400	1,1000,0100,0000,0000
18	18400	1,1000,0100,0000,0000
19	18400	1,1000,0100,0000,0000
20	18400	1,1000,0100,0000,0000
21	18400	1,1000,0100,0000,0000
22	18400	1,1000,0100,0000,0000
23	18400	1,1000,0100,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INTHLOKI01

OAPEL:	32INTHLOKI01	ALIAS:	32INTHLOKI01
EXT:	I	PSID:	DB
SCLK1:	06255908:89:0	SCLK2:	06255918:87:0
SCET1:	01-289/00:54:29.466	SCET2:	01-289/01:04:34.800
TARGET:	IO	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

32INPELE__01

OAPEL:	32INPELE__01	ALIAS:	32ISPELE__01
EXT:	A	PSID:	IB
SCLK1:	06255921:67:0	SCLK2:	06255921:87:0
SCET1:	01-289/01:07:24.000	SCET2:	01-289/01:07:37.466
TARGET:	IO	PARTITION:	1
MODE:	0	GAIN:	2
CHOP:	2	GRAT_OFF:	4
PTAB_A:	1 0 0 0 012	PTAB_B:	1 0 0 0 012
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	15	TLMFMT:	IM8

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

WETGID: 0013195001 00 13 195 001
WTGRP_SIZ: 13

EDIT TABLE

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

32INTHPELE02

OAPEL:	32INTHPELE02	ALIAS:	32INTHPELE02
EXT:	A	PSID:	DC
SCLK1:	06255922:89:0	SCLK2:	06255928:78:0
SCET1:	01-289/01:08:38.800	SCET2:	01-289/01:14:35.466
TARGET:	IO	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:	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	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	039FF	0,0011,1001,1111,1111
13	00000	0,0000,0000,0000,0000
14	039FF	0,0011,1001,1111,1111
15	00000	0,0000,0000,0000,0000
16	039FF	0,0011,1001,1111,1111
17	00000	0,0000,0000,0000,0000
18	039FF	0,0011,1001,1111,1111
19	00000	0,0000,0000,0000,0000
20	039FF	0,0011,1001,1111,1111
21	00000	0,0000,0000,0000,0000
22	039FF	0,0011,1001,1111,1111
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INTHPELE02

OAPEL:	32INTHPELE02	ALIAS:	32INTHPELE02
EXT:	B	PSID:	DC
SCLK1:	06255922:89:0	SCLK2:	06255928:78:0
SCET1:	01-289/01:08:38.800	SCET2:	01-289/01:14:35.466
TARGET:	IO	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:	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	00000	0,0000,0000,0000,0000
1	039FF	0,0011,1001,1111,1111
2	00000	0,0000,0000,0000,0000
3	039FF	0,0011,1001,1111,1111
4	00000	0,0000,0000,0000,0000
5	039FF	0,0011,1001,1111,1111
6	00000	0,0000,0000,0000,0000
7	039FF	0,0011,1001,1111,1111
8	00000	0,0000,0000,0000,0000
9	039FF	0,0011,1001,1111,1111
10	00000	0,0000,0000,0000,0000
11	039FF	0,0011,1001,1111,1111
12	00000	0,0000,0000,0000,0000
13	039FF	0,0011,1001,1111,1111
14	00000	0,0000,0000,0000,0000
15	039FF	0,0011,1001,1111,1111
16	00000	0,0000,0000,0000,0000
17	039FF	0,0011,1001,1111,1111
18	00000	0,0000,0000,0000,0000
19	039FF	0,0011,1001,1111,1111
20	00000	0,0000,0000,0000,0000
21	039FF	0,0011,1001,1111,1111
22	00000	0,0000,0000,0000,0000
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INTHPELE02

OAPEL:	32INTHPELE02	ALIAS:	32INTHPELE02
EXT:	C	PSID:	DC
SCLK1:	06255922:89:0	SCLK2:	06255928:78:0
SCET1:	01-289/01:08:38.800	SCET2:	01-289/01:14:35.466
TARGET:	IO	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:	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

32INTHPELE02

OAPEL:	32INTHPELE02	ALIAS:	32INTHPELE02
EXT:	D	PSID:	DC
SCLK1:	06255922:89:0	SCLK2:	06255928:78:0
SCET1:	01-289/01:08:38.800	SCET2:	01-289/01:14:35.466
TARGET:	IO	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:	72	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: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18400	1,1000,0100,0000,0000
1	18400	1,1000,0100,0000,0000
2	18400	1,1000,0100,0000,0000
3	18400	1,1000,0100,0000,0000
4	18400	1,1000,0100,0000,0000
5	18400	1,1000,0100,0000,0000
6	18400	1,1000,0100,0000,0000
7	18400	1,1000,0100,0000,0000
8	18400	1,1000,0100,0000,0000
9	18400	1,1000,0100,0000,0000
10	18400	1,1000,0100,0000,0000
11	18400	1,1000,0100,0000,0000
12	18400	1,1000,0100,0000,0000
13	18400	1,1000,0100,0000,0000
14	18400	1,1000,0100,0000,0000
15	18400	1,1000,0100,0000,0000
16	18400	1,1000,0100,0000,0000
17	18400	1,1000,0100,0000,0000
18	18400	1,1000,0100,0000,0000
19	18400	1,1000,0100,0000,0000
20	18400	1,1000,0100,0000,0000
21	18400	1,1000,0100,0000,0000
22	18400	1,1000,0100,0000,0000
23	18400	1,1000,0100,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INTHPELE02

OAPEL:	32INTHPELE02	ALIAS:	32INTHPELE02
EXT:	I	PSID:	DC
SCLK1:	06255922:89:0	SCLK2:	06255928:78:0
SCET1:	01-289/01:08:38.800	SCET2:	01-289/01:14:35.466
TARGET:	IO	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

32INTHERML01

OAPEL:	32INTHERML01	ALIAS:	32INTHERML01
EXT:	A	PSID:	DD
SCLK1:	06255942:89:0	SCLK2:	06255945:89:0
SCET1:	01-289/01:28:52.133	SCET2:	01-289/01:31:54.133
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:	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	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	039FF	0,0011,1001,1111,1111
13	00000	0,0000,0000,0000,0000
14	039FF	0,0011,1001,1111,1111
15	00000	0,0000,0000,0000,0000
16	039FF	0,0011,1001,1111,1111
17	00000	0,0000,0000,0000,0000
18	039FF	0,0011,1001,1111,1111
19	00000	0,0000,0000,0000,0000
20	039FF	0,0011,1001,1111,1111
21	00000	0,0000,0000,0000,0000
22	039FF	0,0011,1001,1111,1111
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INTHERML01

OAPEL:	32INTHERML01	ALIAS:	32INTHERML01
EXT:	B	PSID:	DD
SCLK1:	06255942:89:0	SCLK2:	06255945:89:0
SCET1:	01-289/01:28:52.133	SCET2:	01-289/01:31:54.133
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:	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	00000	0,0000,0000,0000,0000
1	039FF	0,0011,1001,1111,1111
2	00000	0,0000,0000,0000,0000
3	039FF	0,0011,1001,1111,1111
4	00000	0,0000,0000,0000,0000
5	039FF	0,0011,1001,1111,1111
6	00000	0,0000,0000,0000,0000
7	039FF	0,0011,1001,1111,1111
8	00000	0,0000,0000,0000,0000
9	039FF	0,0011,1001,1111,1111
10	00000	0,0000,0000,0000,0000
11	039FF	0,0011,1001,1111,1111
12	00000	0,0000,0000,0000,0000
13	039FF	0,0011,1001,1111,1111
14	00000	0,0000,0000,0000,0000
15	039FF	0,0011,1001,1111,1111
16	00000	0,0000,0000,0000,0000
17	039FF	0,0011,1001,1111,1111
18	00000	0,0000,0000,0000,0000
19	039FF	0,0011,1001,1111,1111
20	00000	0,0000,0000,0000,0000
21	039FF	0,0011,1001,1111,1111
22	00000	0,0000,0000,0000,0000
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INTHERML01

```
OAPEL:  32INTHERML01                ALIAS:  32INTHERML01
EXT:    C                           PSID:   DD
SCLK1:  06255942:89:0               SCLK2:  06255945:89:0
SCET1:    01-289/01:28:52.133       SCET2:    01-289/01:31:54.133
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

32INTHERML01

OAPEL:	32INTHERML01	ALIAS:	32INTHERML01
EXT:	D	PSID:	DD
SCLK1:	06255942:89:0	SCLK2:	06255945:89:0
SCET1:	01-289/01:28:52.133	SCET2:	01-289/01:31:54.133
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:	72	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: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18400	1,1000,0100,0000,0000
1	18400	1,1000,0100,0000,0000
2	18400	1,1000,0100,0000,0000
3	18400	1,1000,0100,0000,0000
4	18400	1,1000,0100,0000,0000
5	18400	1,1000,0100,0000,0000
6	18400	1,1000,0100,0000,0000
7	18400	1,1000,0100,0000,0000
8	18400	1,1000,0100,0000,0000
9	18400	1,1000,0100,0000,0000
10	18400	1,1000,0100,0000,0000
11	18400	1,1000,0100,0000,0000
12	18400	1,1000,0100,0000,0000
13	18400	1,1000,0100,0000,0000
14	18400	1,1000,0100,0000,0000
15	18400	1,1000,0100,0000,0000
16	18400	1,1000,0100,0000,0000
17	18400	1,1000,0100,0000,0000
18	18400	1,1000,0100,0000,0000
19	18400	1,1000,0100,0000,0000
20	18400	1,1000,0100,0000,0000
21	18400	1,1000,0100,0000,0000
22	18400	1,1000,0100,0000,0000
23	18400	1,1000,0100,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INTHERML01

OAPEL:	32INTHERML01	ALIAS:	32INTHERML01
EXT:	I	PSID:	DD
SCLK1:	06255942:89:0	SCLK2:	06255945:89:0
SCET1:	01-289/01:28:52.133	SCET2:	01-289/01:31:54.133
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:	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

32INEMAKNG01

OAPEL:	32INEMAKNG01	ALIAS:	32INEMAKNG01
EXT:	A	PSID:	DE
SCLK1:	06255955:89:0	SCLK2:	06255963:06:0
SCET1:	01-289/01:42:00.800	SCET2:	01-289/01:49:10.800
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:	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	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	039FF	0,0011,1001,1111,1111
13	00000	0,0000,0000,0000,0000
14	039FF	0,0011,1001,1111,1111
15	00000	0,0000,0000,0000,0000
16	039FF	0,0011,1001,1111,1111
17	00000	0,0000,0000,0000,0000
18	039FF	0,0011,1001,1111,1111
19	00000	0,0000,0000,0000,0000
20	039FF	0,0011,1001,1111,1111
21	00000	0,0000,0000,0000,0000
22	039FF	0,0011,1001,1111,1111
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INEMAKNG01

OAPEL:	32INEMAKNG01	ALIAS:	32INEMAKNG01
EXT:	B	PSID:	DE
SCLK1:	06255955:89:0	SCLK2:	06255963:06:0
SCET1:	01-289/01:42:00.800	SCET2:	01-289/01:49:10.800
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:	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	00000	0,0000,0000,0000,0000
1	039FF	0,0011,1001,1111,1111
2	00000	0,0000,0000,0000,0000
3	039FF	0,0011,1001,1111,1111
4	00000	0,0000,0000,0000,0000
5	039FF	0,0011,1001,1111,1111
6	00000	0,0000,0000,0000,0000
7	039FF	0,0011,1001,1111,1111
8	00000	0,0000,0000,0000,0000
9	039FF	0,0011,1001,1111,1111
10	00000	0,0000,0000,0000,0000
11	039FF	0,0011,1001,1111,1111
12	00000	0,0000,0000,0000,0000
13	039FF	0,0011,1001,1111,1111
14	00000	0,0000,0000,0000,0000
15	039FF	0,0011,1001,1111,1111
16	00000	0,0000,0000,0000,0000
17	039FF	0,0011,1001,1111,1111
18	00000	0,0000,0000,0000,0000
19	039FF	0,0011,1001,1111,1111
20	00000	0,0000,0000,0000,0000
21	039FF	0,0011,1001,1111,1111
22	00000	0,0000,0000,0000,0000
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INEMAKNG01

OAPEL:	32INEMAKNG01	ALIAS:	32INEMAKNG01
EXT:	C	PSID:	DE
SCLK1:	06255955:89:0	SCLK2:	06255963:06:0
SCET1:	01-289/01:42:00.800	SCET2:	01-289/01:49:10.800
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

32INEMAKNG02

OAPEL:	32INEMAKNG02	ALIAS:	32ISEMAKNG01
EXT:	A	PSID:	ID
SCLK1:	06255947:02:6	SCLK2:	06255947:49:0
SCET1:	01-289/01:32:57.866	SCET2:	01-289/01:33:28.800
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:	360	TLMFMT:	IM4

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

32INTOHIL_01

OAPEL:	32INTOHIL_01	ALIAS:	32ISTOHIL_01
EXT:	A	PSID:	IF
SCLK1:	06255951:04:0	SCLK2:	06255951:62:0
SCET1:	01-289/01:37:02.000	SCET2:	01-289/01:37:40.133
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:	360	TLMFMT:	IM8

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

WETGID: 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

32INITUPAN01

OAPEL:	32INITUPAN01	ALIAS:	32INITUPAN01
EXT:	A	PSID:	DF
SCLK1:	06255971:88:0	SCLK2:	06255980:86:0
SCET1:	01-289/01:58:11.466	SCET2:	01-289/02:07:16.133
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:	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	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	039FF	0,0011,1001,1111,1111
13	00000	0,0000,0000,0000,0000
14	039FF	0,0011,1001,1111,1111
15	00000	0,0000,0000,0000,0000
16	039FF	0,0011,1001,1111,1111
17	00000	0,0000,0000,0000,0000
18	039FF	0,0011,1001,1111,1111
19	00000	0,0000,0000,0000,0000
20	039FF	0,0011,1001,1111,1111
21	00000	0,0000,0000,0000,0000
22	039FF	0,0011,1001,1111,1111
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INITUPAN01

OAPEL:	32INITUPAN01	ALIAS:	32INITUPAN01
EXT:	B	PSID:	DF
SCLK1:	06255971:88:0	SCLK2:	06255980:86:0
SCET1:	01-289/01:58:11.466	SCET2:	01-289/02:07:16.133
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:	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	00000	0,0000,0000,0000,0000
1	039FF	0,0011,1001,1111,1111
2	00000	0,0000,0000,0000,0000
3	039FF	0,0011,1001,1111,1111
4	00000	0,0000,0000,0000,0000
5	039FF	0,0011,1001,1111,1111
6	00000	0,0000,0000,0000,0000
7	039FF	0,0011,1001,1111,1111
8	00000	0,0000,0000,0000,0000
9	039FF	0,0011,1001,1111,1111
10	00000	0,0000,0000,0000,0000
11	039FF	0,0011,1001,1111,1111
12	00000	0,0000,0000,0000,0000
13	039FF	0,0011,1001,1111,1111
14	00000	0,0000,0000,0000,0000
15	039FF	0,0011,1001,1111,1111
16	00000	0,0000,0000,0000,0000
17	039FF	0,0011,1001,1111,1111
18	00000	0,0000,0000,0000,0000
19	039FF	0,0011,1001,1111,1111
20	00000	0,0000,0000,0000,0000
21	039FF	0,0011,1001,1111,1111
22	00000	0,0000,0000,0000,0000
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INITUPAN01

```
OAPEL:  32INITUPAN01            ALIAS:  32INITUPAN01
EXT:    C                       PSID:   DF
SCLK1:  06255971:88:0           SCLK2:  06255980:86:0
SCET1:    01-289/01:58:11.466   SCET2:    01-289/02:07:16.133
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

32INITUPAN01

OAPEL:	32INITUPAN01	ALIAS:	32INITUPAN01
EXT:	D	PSID:	DF
SCLK1:	06255971:88:0	SCLK2:	06255980:86:0
SCET1:	01-289/01:58:11.466	SCET2:	01-289/02:07:16.133
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:	72	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: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18400	1,1000,0100,0000,0000
1	18400	1,1000,0100,0000,0000
2	18400	1,1000,0100,0000,0000
3	18400	1,1000,0100,0000,0000
4	18400	1,1000,0100,0000,0000
5	18400	1,1000,0100,0000,0000
6	18400	1,1000,0100,0000,0000
7	18400	1,1000,0100,0000,0000
8	18400	1,1000,0100,0000,0000
9	18400	1,1000,0100,0000,0000
10	18400	1,1000,0100,0000,0000
11	18400	1,1000,0100,0000,0000
12	18400	1,1000,0100,0000,0000
13	18400	1,1000,0100,0000,0000
14	18400	1,1000,0100,0000,0000
15	18400	1,1000,0100,0000,0000
16	18400	1,1000,0100,0000,0000
17	18400	1,1000,0100,0000,0000
18	18400	1,1000,0100,0000,0000
19	18400	1,1000,0100,0000,0000
20	18400	1,1000,0100,0000,0000
21	18400	1,1000,0100,0000,0000
22	18400	1,1000,0100,0000,0000
23	18400	1,1000,0100,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INITUPAN01

OAPEL:	32INITUPAN01	ALIAS:	32INITUPAN01
EXT:	I	PSID:	DF
SCLK1:	06255971:88:0	SCLK2:	06255980:86:0
SCET1:	01-289/01:58:11.466	SCET2:	01-289/02:07:16.133
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:	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

32INTVASHT01

OAPEL: 32INTVASHT01	ALIAS: 32ISTVASHT01
EXT: A	PSID: IL
SCLK1: 06255982:31:0	SCLK2: 06255982:49:0
SCET1: 01-289/02:08:40.600	SCET2: 01-289/02:08:52.133
TARGET: IO	PARTITION: 1

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

MB_DOWN: 00000	MB_UP: 00000
COMP_FLAG: 1	
EST_COMP: 2.0	EST_COMPV: 0.3
RATE_CON1: 00000	RATE_CON2: 65525
NWAVETOT: 15	TLMFMT: IM8

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

WETGID: 0013195001 00 13 195 001
WTGRP_SIZ: 13

EDIT TABLE

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

32INICHAAC01

OAPEL:	32INICHAAC01	ALIAS:	32INICHAAC01
EXT:	A	PSID:	DG
SCLK1:	06255983:88:0	SCLK2:	06255993:09:0
SCET1:	01-289/02:10:19.466	SCET2:	01-289/02:19:33.466
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:	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	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	039FF	0,0011,1001,1111,1111
13	00000	0,0000,0000,0000,0000
14	039FF	0,0011,1001,1111,1111
15	00000	0,0000,0000,0000,0000
16	039FF	0,0011,1001,1111,1111
17	00000	0,0000,0000,0000,0000
18	039FF	0,0011,1001,1111,1111
19	00000	0,0000,0000,0000,0000
20	039FF	0,0011,1001,1111,1111
21	00000	0,0000,0000,0000,0000
22	039FF	0,0011,1001,1111,1111
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INICHAAC01

OAPEL:	32INICHAAC01	ALIAS:	32INICHAAC01
EXT:	B	PSID:	DG
SCLK1:	06255983:88:0	SCLK2:	06255993:09:0
SCET1:	01-289/02:10:19.466	SCET2:	01-289/02:19:33.466
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:	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	00000	0,0000,0000,0000,0000
1	039FF	0,0011,1001,1111,1111
2	00000	0,0000,0000,0000,0000
3	039FF	0,0011,1001,1111,1111
4	00000	0,0000,0000,0000,0000
5	039FF	0,0011,1001,1111,1111
6	00000	0,0000,0000,0000,0000
7	039FF	0,0011,1001,1111,1111
8	00000	0,0000,0000,0000,0000
9	039FF	0,0011,1001,1111,1111
10	00000	0,0000,0000,0000,0000
11	039FF	0,0011,1001,1111,1111
12	00000	0,0000,0000,0000,0000
13	039FF	0,0011,1001,1111,1111
14	00000	0,0000,0000,0000,0000
15	039FF	0,0011,1001,1111,1111
16	00000	0,0000,0000,0000,0000
17	039FF	0,0011,1001,1111,1111
18	00000	0,0000,0000,0000,0000
19	039FF	0,0011,1001,1111,1111
20	00000	0,0000,0000,0000,0000
21	039FF	0,0011,1001,1111,1111
22	00000	0,0000,0000,0000,0000
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INICHAAC01

OAPEL:	32INICHAAC01	ALIAS:	32INICHAAC01
EXT:	C	PSID:	DG
SCLK1:	06255983:88:0	SCLK2:	06255993:09:0
SCET1:	01-289/02:10:19.466	SCET2:	01-289/02:19:33.466
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

32INICHAAC01

OAPEL:	32INICHAAC01	ALIAS:	32INICHAAC01
EXT:	D	PSID:	DG
SCLK1:	06255983:88:0	SCLK2:	06255993:09:0
SCET1:	01-289/02:10:19.466	SCET2:	01-289/02:19:33.466
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:	72	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: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18400	1,1000,0100,0000,0000
1	18400	1,1000,0100,0000,0000
2	18400	1,1000,0100,0000,0000
3	18400	1,1000,0100,0000,0000
4	18400	1,1000,0100,0000,0000
5	18400	1,1000,0100,0000,0000
6	18400	1,1000,0100,0000,0000
7	18400	1,1000,0100,0000,0000
8	18400	1,1000,0100,0000,0000
9	18400	1,1000,0100,0000,0000
10	18400	1,1000,0100,0000,0000
11	18400	1,1000,0100,0000,0000
12	18400	1,1000,0100,0000,0000
13	18400	1,1000,0100,0000,0000
14	18400	1,1000,0100,0000,0000
15	18400	1,1000,0100,0000,0000
16	18400	1,1000,0100,0000,0000
17	18400	1,1000,0100,0000,0000
18	18400	1,1000,0100,0000,0000
19	18400	1,1000,0100,0000,0000
20	18400	1,1000,0100,0000,0000
21	18400	1,1000,0100,0000,0000
22	18400	1,1000,0100,0000,0000
23	18400	1,1000,0100,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INICHAAC01

OAPEL:	32INICHAAC01	ALIAS:	32INICHAAC01
EXT:	I	PSID:	DG
SCLK1:	06255983:88:0	SCLK2:	06255993:09:0
SCET1:	01-289/02:10:19.466	SCET2:	01-289/02:19:33.466
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:	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

32INHTSPOT01

OAPEL:	32INHTSPOT01	ALIAS:	32INHTSPOT01
EXT:	A	PSID:	DH
SCLK1:	06255997:89:0	SCLK2:	06256010:01:0
SCET1:	01-289/02:24:28.800	SCET2:	01-289/02:36:38.800
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:	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	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	039FF	0,0011,1001,1111,1111
13	00000	0,0000,0000,0000,0000
14	039FF	0,0011,1001,1111,1111
15	00000	0,0000,0000,0000,0000
16	039FF	0,0011,1001,1111,1111
17	00000	0,0000,0000,0000,0000
18	039FF	0,0011,1001,1111,1111
19	00000	0,0000,0000,0000,0000
20	039FF	0,0011,1001,1111,1111
21	00000	0,0000,0000,0000,0000
22	039FF	0,0011,1001,1111,1111
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INHTSPOT01

OAPEL:	32INHTSPOT01	ALIAS:	32INHTSPOT01
EXT:	B	PSID:	DH
SCLK1:	06255997:89:0	SCLK2:	06256010:01:0
SCET1:	01-289/02:24:28.800	SCET2:	01-289/02:36:38.800
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:	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	00000	0,0000,0000,0000,0000
1	039FF	0,0011,1001,1111,1111
2	00000	0,0000,0000,0000,0000
3	039FF	0,0011,1001,1111,1111
4	00000	0,0000,0000,0000,0000
5	039FF	0,0011,1001,1111,1111
6	00000	0,0000,0000,0000,0000
7	039FF	0,0011,1001,1111,1111
8	00000	0,0000,0000,0000,0000
9	039FF	0,0011,1001,1111,1111
10	00000	0,0000,0000,0000,0000
11	039FF	0,0011,1001,1111,1111
12	00000	0,0000,0000,0000,0000
13	039FF	0,0011,1001,1111,1111
14	00000	0,0000,0000,0000,0000
15	039FF	0,0011,1001,1111,1111
16	00000	0,0000,0000,0000,0000
17	039FF	0,0011,1001,1111,1111
18	00000	0,0000,0000,0000,0000
19	039FF	0,0011,1001,1111,1111
20	00000	0,0000,0000,0000,0000
21	039FF	0,0011,1001,1111,1111
22	00000	0,0000,0000,0000,0000
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INHTSPOT01

OAPEL:	32INHTSPOT01	ALIAS:	32INHTSPOT01
EXT:	C	PSID:	DH
SCLK1:	06255997:89:0	SCLK2:	06256010:01:0
SCET1:	01-289/02:24:28.800	SCET2:	01-289/02:36:38.800
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

32INHTSPOT01

OAPEL:	32INHTSPOT01	ALIAS:	32INHTSPOT01
EXT:	D	PSID:	DH
SCLK1:	06255997:89:0	SCLK2:	06256010:01:0
SCET1:	01-289/02:24:28.800	SCET2:	01-289/02:36:38.800
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:	72	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: 0326072001 03 26 072 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18400	1,1000,0100,0000,0000
1	18400	1,1000,0100,0000,0000
2	18400	1,1000,0100,0000,0000
3	18400	1,1000,0100,0000,0000
4	18400	1,1000,0100,0000,0000
5	18400	1,1000,0100,0000,0000
6	18400	1,1000,0100,0000,0000
7	18400	1,1000,0100,0000,0000
8	18400	1,1000,0100,0000,0000
9	18400	1,1000,0100,0000,0000
10	18400	1,1000,0100,0000,0000
11	18400	1,1000,0100,0000,0000
12	18400	1,1000,0100,0000,0000
13	18400	1,1000,0100,0000,0000
14	18400	1,1000,0100,0000,0000
15	18400	1,1000,0100,0000,0000
16	18400	1,1000,0100,0000,0000
17	18400	1,1000,0100,0000,0000
18	18400	1,1000,0100,0000,0000
19	18400	1,1000,0100,0000,0000
20	18400	1,1000,0100,0000,0000
21	18400	1,1000,0100,0000,0000
22	18400	1,1000,0100,0000,0000
23	18400	1,1000,0100,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INHTSPOT01

OAPEL:	32INHTSPOT01	ALIAS:	32INHTSPOT01
EXT:	I	PSID:	DH
SCLK1:	06255997:89:0	SCLK2:	06256010:01:0
SCET1:	01-289/02:24:28.800	SCET2:	01-289/02:36:38.800
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:	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

32INTERMIN01

OAPEL:	32INTERMIN01	ALIAS:	32ISTERMIN01
EXT:	A	PSID:	IJ
SCLK1:	06256012:06:0	SCLK2:	06256012:75:0
SCET1:	01-289/02:38:44.000	SCET2:	01-289/02:39:30.000
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:	360	TLMFMT:	IM8

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

WETGID: 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

32INTERMIN02

OAPEL:	32INTERMIN02	ALIAS:	32ISTERMIN02
EXT:	A	PSID:	IK
SCLK1:	06256014:19:0	SCLK2:	06256014:88:0
SCET1:	01-289/02:40:54.000	SCET2:	01-289/02:41:40.000
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:	360	TLMFMT:	IM8

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

WETGID: 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

32INREGION01

OAPEL:	32INREGION01	ALIAS:	32INREGION01
EXT:	A	PSID:	DI
SCLK1:	06256046:13:0	SCLK2:	06256109:78:0
SCET1:	01-289/03:13:11.466	SCET2:	01-289/04:17:36.800
TARGET:	IO	PARTITION:	1
MODE:	1	GAIN:	2
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 212	PTAB_B:	1 1 0 0 212
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	36	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: 0113036001 01 13 036 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	039FF	0,0011,1001,1111,1111
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	039FF	0,0011,1001,1111,1111
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	039FF	0,0011,1001,1111,1111
12	00000	0,0000,0000,0000,0000

32INREGION01

OAPEL: 32INREGION01
ALIAS: 32INREGION01
EXT: B
PSID: DI
SCLK1: 06256046:13:0
SCLK2: 06256078:90:0
SCET1: 01-289/03:13:11.466
SCET2: 01-289/03:46:24.666
TARGET: IO
PARTITION: 1

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

MB_DOWN: 00000
MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0
EST_COMPV: 0.3
RATE_CON1: 00000
RATE_CON2: 65525
NWAVETOT: 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: 0113048001 01 13 048 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	039FF	0,0011,1001,1111,1111
4	00000	0,0000,0000,0000,0000
5	039FF	0,0011,1001,1111,1111
6	00000	0,0000,0000,0000,0000
7	039FF	0,0011,1001,1111,1111
8	00000	0,0000,0000,0000,0000
9	039FF	0,0011,1001,1111,1111
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000

32INREGION01

OAPEL:	32INREGION01	ALIAS:	32INREGION01
EXT:	C	PSID:	DI
SCLK1:	06256046:13:0	SCLK2:	06256109:78:0
SCET1:	01-289/03:13:11.466	SCET2:	01-289/04:17:36.800
TARGET:	IO	PARTITION:	1
MODE:	1	GAIN:	2
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 212	PTAB_B:	1 1 0 0 212
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	84	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: 0113084001 01 13 084 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	039FF	0,0011,1001,1111,1111
2	00000	0,0000,0000,0000,0000
3	039FF	0,0011,1001,1111,1111
4	00000	0,0000,0000,0000,0000
5	039FF	0,0011,1001,1111,1111
6	039FF	0,0011,1001,1111,1111
7	039FF	0,0011,1001,1111,1111
8	00000	0,0000,0000,0000,0000
9	039FF	0,0011,1001,1111,1111
10	00000	0,0000,0000,0000,0000
11	039FF	0,0011,1001,1111,1111
12	00000	0,0000,0000,0000,0000

32INREGION01

OAPEL:	32INREGION01	ALIAS:	32INREGION01
EXT:	D	PSID:	DI
SCLK1:	06256046:13:0	SCLK2:	06256109:78:0
SCET1:	01-289/03:13:11.466	SCET2:	01-289/04:17:36.800
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	36	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: 0113036001 01 13 036 001
WTGRP_SIZ: 13

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	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	039FF	0,0011,1001,1111,1111
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000

32INREGION01

OAPEL:	32INREGION01	ALIAS:	32INREGION01
EXT:	I	PSID:	DI
SCLK1:	06256046:13:1	SCLK2:	06256109:78:0
SCET1:	2001-289/03:13:11.466	SCET2:	2001-289/04:17:36.800
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	00000
NWAVETOT:	120	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: 0113120000 01 13 120 000
WTGRP_SIZ: 13

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	00000	0,0000,0000,0000,0000
5	039FF	0,0011,1001,1111,1111
6	039FF	0,0011,1001,1111,1111
7	039FF	0,0011,1001,1111,1111
8	00000	0,0000,0000,0000,0000
9	039FF	0,0011,1001,1111,1111
10	039FF	0,0011,1001,1111,1111
11	039FF	0,0011,1001,1111,1111
12	00000	0,0000,0000,0000,0000

32INREGION02

OAPEL:	32INREGION02	ALIAS:	32INREGION02
EXT:	A	PSID:	DJ
SCLK1:	06256274:10:0	SCLK2:	06256306:00:0
SCET1:	01-289/07:03:40.866	SCET2:	01-289/07:35:55.466
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:	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	00000	0,0000,0000,0000,0000
1	039FF	0,0011,1001,1111,1111
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	039FF	0,0011,1001,1111,1111
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	039FF	0,0011,1001,1111,1111
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	039FF	0,0011,1001,1111,1111
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	039FF	0,0011,1001,1111,1111
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	039FF	0,0011,1001,1111,1111
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INREGION02

OAPEL:	32INREGION02	ALIAS:	32INREGION02
EXT:	B	PSID:	DJ
SCLK1:	06256274:10:0	SCLK2:	06256306:00:0
SCET1:	01-289/07:03:40.866	SCET2:	01-289/07:35:55.466
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:	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	00000	0,0000,0000,0000,0000
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	039FF	0,0011,1001,1111,1111
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	039FF	0,0011,1001,1111,1111
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	039FF	0,0011,1001,1111,1111
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	039FF	0,0011,1001,1111,1111
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	039FF	0,0011,1001,1111,1111
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INREGION02

OAPEL:	32INREGION02	ALIAS:	32INREGION02
EXT:	C	PSID:	DJ
SCLK1:	06256274:10:0	SCLK2:	06256306:00:0
SCET1:	01-289/07:03:40.866	SCET2:	01-289/07:35:55.466
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:	144	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: 0326144001 03 26 144 001
WTGRP_SIZ: 26

EDIT TABLE

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

32INREGION02

OAPEL: 32INREGION02   ALIAS: 32INREGION02
EXT: D   PSID: DJ
SCLK1: 06256274:10:0   SCLK2: 06256306:00:0
SCET1:   01-289/07:03:40.800   SCET2:   01-289/07:35:55.466
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: 108   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: 0326108001   03 26 108 001
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	00000	0,0000,0000,0000,0000
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	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	039FF	0,0011,1001,1111,1111
15	00000	0,0000,0000,0000,0000
16	039FF	0,0011,1001,1111,1111
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	039FF	0,0011,1001,1111,1111
21	00000	0,0000,0000,0000,0000
22	039FF	0,0011,1001,1111,1111
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

32INREGION02

OAPEL:	32INREGION02	ALIAS:	32INREGION02
EXT:	I	PSID:	DJ
SCLK1:	06256274:10:1	SCLK2:	06256306:00:0
SCET1:	2001-289/07:03:40.800	SCET2:	2001-289/07:35:55.466
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:	00000
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: 0326252000 03 26 252 000
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	00000	0,0000,0000,0000,0000
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	00000	0,0000,0000,0000,0000
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	00000	0,0000,0000,0000,0000
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

32JNGLOBAL01

OAPEL:	32JNGLOBAL01	ALIAS:	32JNGLOBAL01
EXT:	A	PSID:	DK
SCLK1:	06257114:60:0	SCLK2:	06257153:39:0
SCET1:	01-289/21:13:34.800	SCET2:	01-289/21:52:46.800
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:	7	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: 0713007001 07 13 007 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	028D5	0,0010,1000,1101,0101
1	028D5	0,0010,1000,1101,0101
2	028D5	0,0010,1000,1101,0101
3	028D5	0,0010,1000,1101,0101
4	028D5	0,0010,1000,1101,0101
5	028D5	0,0010,1000,1101,0101
6	028D5	0,0010,1000,1101,0101
7	028D5	0,0010,1000,1101,0101
8	028D5	0,0010,1000,1101,0101
9	028D5	0,0010,1000,1101,0101
10	028D5	0,0010,1000,1101,0101
11	028D5	0,0010,1000,1101,0101
12	00000	0,0000,0000,0000,0000

32JNGLOBAL02

OAPEL:	32JNGLOBAL02	ALIAS:	32JNGLOBAL02
EXT:	A	PSID:	DL
SCLK1:	06257444:51:0	SCLK2:	06257479:73:0
SCET1:	01-290/02:47:08.733	SCET2:	01-290/03:22:46.066
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:	7	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: 0713007001 07 13 007 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	028D5	0,0010,1000,1101,0101
1	028D5	0,0010,1000,1101,0101
2	028D5	0,0010,1000,1101,0101
3	028D5	0,0010,1000,1101,0101
4	028D5	0,0010,1000,1101,0101
5	028D5	0,0010,1000,1101,0101
6	028D5	0,0010,1000,1101,0101
7	028D5	0,0010,1000,1101,0101
8	028D5	0,0010,1000,1101,0101
9	028D5	0,0010,1000,1101,0101
10	028D5	0,0010,1000,1101,0101
11	028D5	0,0010,1000,1101,0101
12	00000	0,0000,0000,0000,0000

32NNRCTRLT01

OAPEL:	32NNRCTRLT01	ALIAS:	LSNNRCTRTA01
EXT:	R	PSID:	XU
SCLK1:	06338668:00:0	SCLK2:	06338675:12:0
SCET1:	2001-347/03:33:00.733	SCET2:	2001-347/03:40:13.400
TARGET:	CAL	PARTITION:	1

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

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

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

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

32NNRCTRLT01

OAPEL:	32NNRCTRLT01	ALIAS:	LSNNRCTRTA01
EXT:	S	PSID:	XU
SCLK1:	06338682:00:0	SCLK2:	06338683:12:0
SCET1:	2001-347/03:47:10.066	SCET2:	2001-347/03:48:18.733
TARGET:	CAL	PARTITION:	1

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

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

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

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

NIMS I32 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS C30 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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32INTHPELE0132INTHPELE01ADA06255877:89:006255881:85:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        144MPW  01-289/00:23:09.466  01-289/00:27:08.800
           000000000000000000000000000000000000000000000000003261440012601039FF01000000 1039FF01000000 1039FF01000000 1039FF01000
0001039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1000000100000
32INTHPELE0132INTHPELE01BDA06255877:89:006255881:85:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3        144MPW  01-289/00:23:09.466  01-289/00:27:08.800
           0000000000000000000000000000000000000000000000000032614400126010000001039FF01000000 1039FF01000000 1039FF01000000 1039
FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF0100000100000
32INTHPELE0132INTHPELE01CDA06255877:89:006255881:85:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 288MPW  01-289/00:23:09.466  01-289/00:27:08.800
           000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
32INTHPELE0132INTHPELE01DDA06255877:89:006255881:85:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         72MPW  01-289/00:23:09.466  01-289/00:27:08.800
           0000000000000000000000000000000000000000000000000032607200126011840001184000118400011840001184000118400011840001184
00011840001184000118400011840001184000118400011840001184000118400011840001184000118400011840001184000118400011840001000000100000
32INTHPELE0132INTHPELE01IDA06255877:89:006255881:85:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3        360MPW  01-289/00:23:09.466  01-289/00:27:08.800
           000000000000000000000000000000000000000000000000003263600012601 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
32INTHLOKI0132INTHLOKI01ADB06255908:89:006255918:87:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        144MPW  01-289/00:54:29.466  01-289/01:04:34.800
           000000000000000000000000000000000000000000000000003261440012601039FF01000000 1039FF01000000 1039FF01000000 1039FF01000
0001039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1000000100000
32INTHLOKI0132INTHLOKI01BDB06255908:89:006255918:87:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3        144MPW  01-289/00:54:29.466  01-289/01:04:34.800
           0000000000000000000000000000000000000000000000000032614400126010000001039FF01000000 1039FF01000000 1039FF01000000 1039
FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF01000000 1039FF0100000100000
32INTHLOKI0132INTHLOKI01CDB06255908:89:006255918:87:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 288MPW  01-289/00:54:29.466  01-289/01:04:34.800
           000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
32INTHLOKI0132INTHLOKI01DDB06255908:89:006255918:87:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         72MPW  01-289/00:54:29.466  01-289/01:04:34.800
           0000000000000000000000000000000000000000000000000032607200126011840001184000118400011840001184000118400011840001184
00011840001184000118400011840001184000118400011840001184000118400011840001184000118400011840001184000118400011840001000000100000
32INTHLOKI0132INTHLOKI01IDB06255908:89:006255918:87:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3        360MPW  01-289/00:54:29.466  01-289/01:04:34.800
           000000000000000000000000000000000000000000000000003263600012601 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
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32INPELE__0132ISPELE__01AIB06255921:67:006255921:87:01         IO       0224 1 0 0 0 012 1 0 0 0 01200010 0000000000 1 2.00.3000
0065525        2         15IM8  01-289/01:07:24.000  01-289/01:07:37.466
           000000000000000000000000000000000000000000000000000001319500113011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF
32INTHPELE0232INTHPELE02ADC06255922:89:006255928:78:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        144MPW  01-289/01:08:38.800  01-289/01:14:35.466
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001000000100000
32INTHPELE0232INTHPELE02BDC06255922:89:006255928:78:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3        144MPW  01-289/01:08:38.800  01-289/01:14:35.466
           000000000000000000000000000000000000000000000000000032614400126010000001039FF010000001039FF010000001039FF010000001039
FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000
32INTHPELE0232INTHPELE02CDC06255922:89:006255928:78:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 288MPW  01-289/01:08:38.800  01-289/01:14:35.466
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
32INTHPELE0232INTHPELE02DDC06255922:89:006255928:78:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         72MPW  01-289/01:08:38.800  01-289/01:14:35.466
           000000000000000000000000000000000000000000000000000032607200126011840001184000118400011840001184000118400011840001184
0001184000118400011840001184000118400011840001184000118400011840001184000118400011840001184000118400011840001184000100000010000
32INTHPELE0232INTHPELE02IDC06255922:89:006255928:78:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3        360MPW  01-289/01:08:38.800  01-289/01:14:35.466
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
32INTHERML0132INTHERML01ADD06255942:89:006255945:89:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        144MPW  01-289/01:28:52.133  01-289/01:31:54.133
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001000000100000
32INTHERML0132INTHERML01BDD06255942:89:006255945:89:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3        144MPW  01-289/01:28:52.133  01-289/01:31:54.133
           000000000000000000000000000000000000000000000000000032614400126010000001039FF010000001039FF010000001039FF010000001039
FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000
32INTHERML0132INTHERML01CDD06255942:89:006255945:89:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 288MPW  01-289/01:28:52.133  01-289/01:31:54.133
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
32INTHERML0132INTHERML01DDD06255942:89:006255945:89:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         72MPW  01-289/01:28:52.133  01-289/01:31:54.133
           000000000000000000000000000000000000000000000000000032607200126011840001184000118400011840001184000118400011840001184
0001184000118400011840001184000118400011840001184000118400011840001184000118400011840001184000118400011840001184000100000010000
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32INTHERML0132INTHERML01IDD06255942:89:006255945:89:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         360MPW  01-289/01:28:52.133  01-289/01:31:54.133
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
32INEMAKNG0132INEMAKNG01ADE06255955:89:006255963:06:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         144MPW  01-289/01:42:00.800  01-289/01:49:10.800
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001000000100000
32INEMAKNG0132INEMAKNG01BDE06255955:89:006255963:06:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         144MPW  01-289/01:42:00.800  01-289/01:49:10.800
           0000000000000000000000000000000000000000000000000000326144001260100000001039FF010000001039FF010000001039FF010000001039
FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000
32INEMAKNG0132INEMAKNG01CDE06255955:89:006255963:06:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  288MPW  01-289/01:42:00.800  01-289/01:49:10.800
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
32INEMAKNG0232ISEMAKNG01AID06255947:02:606255947:49:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         360IM4  01-289/01:32:57.866  01-289/01:33:28.800
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
32INTOHIL_0132ISTOHIL_01AIF06255951:04:006255951:62:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         360IM8  01-289/01:37:02.000  01-289/01:37:40.133
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
32INITUPAN0132INITUPAN01ADF06255971:88:006255980:86:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         144MPW  01-289/01:58:11.466  01-289/02:07:16.133
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001000000100000
32INITUPAN0132INITUPAN01BDF06255971:88:006255980:86:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         144MPW  01-289/01:58:11.466  01-289/02:07:16.133
           0000000000000000000000000000000000000000000000000000326144001260100000001039FF010000001039FF010000001039FF010000001039
FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000
32INITUPAN0132INITUPAN01CDF06255971:88:006255980:86:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  288MPW  01-289/01:58:11.466  01-289/02:07:16.133
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
32INITUPAN0132INITUPAN01DDF06255971:88:006255980:86:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3          72MPW  01-289/01:58:11.466  01-289/02:07:16.133
           0000000000000000000000000000000000000000000000000000326072001260118400011840001184000118400011840001184000118400011840
0011840001184000118400011840001184000118400011840001184000118400011840001184000118400011840001184000118400011840001000000100000
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32INITUPAN0132INITUPAN01IDF06255971:88:006255980:86:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525         3        360MPW  01-289/01:58:11.466  01-289/02:07:16.133
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
32INTVASHT0132ISTVASHT01AIL06255982:31:006255982:49:01         IO       0224 1 0 0 0 012 1 0 0 0 01200010 0000000000 1 2.00.3000
0065525         2         15IM8  01-289/02:08:40.600  01-289/02:08:52.133
           00000000000000000000000000000000000000000000000000000131950011301 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF
32INICHAAC0132INICHAAC01ADG06255983:88:006255993:09:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525         2        144MPW  01-289/02:10:19.466  01-289/02:19:33.466
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001000000100000
32INICHAAC0132INICHAAC01BDG06255983:88:006255993:09:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525         3        144MPW  01-289/02:10:19.466  01-289/02:19:33.466
           00000000000000000000000000000000000000000000000000003261440012601000000 1039FF010000001039FF010000001039FF010000001039
FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000
32INICHAAC0132INICHAAC01CDG06255983:88:006255993:09:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  288MPW  01-289/02:10:19.466  01-289/02:19:33.466
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
32INICHAAC0132INICHAAC01DDG06255983:88:006255993:09:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525         3         72MPW  01-289/02:10:19.466  01-289/02:19:33.466
           000000000000000000000000000000000000000000000000000032607200126011840001184000118400011840001184000118400011840001184
000118400011840001184000118400011840001184000118400011840001184000118400011840001184000118400011840001184000118400001000000100000
32INICHAAC0132INICHAAC01IDG06255983:88:006255993:09:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525         3        360MPW  01-289/02:10:19.466  01-289/02:19:33.466
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
32INHTSPOT0132INHTSPOT01ADH06255997:89:006256010:01:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525         2        144MPW  01-289/02:24:28.800  01-289/02:36:38.800
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001000000100000
32INHTSPOT0132INHTSPOT01BDH06255997:89:006256010:01:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525         3        144MPW  01-289/02:24:28.800  01-289/02:36:38.800
           00000000000000000000000000000000000000000000000000003261440012601000000 1039FF010000001039FF010000001039FF010000001039
FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000
32INHTSPOT0132INHTSPOT01CDH06255997:89:006256010:01:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  288MPW  01-289/02:24:28.800  01-289/02:36:38.800
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
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32INHTSPOT0132INHTSPOT01DDH06255997:89:006256010:01:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         72MPW  01-289/02:24:28.800  01-289/02:36:38.800
           00000000000000000000000000000000000000000000000000003260720012601184000118400011840001184000118400011840001184000118400011840001184
000118400011840001184000118400011840001184000118400011840001184000118400011840001184000118400011840001184000118400011840001000000100000
32INHTSPOT0132INHTSPOT01IDH06255997:89:006256010:01:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3        360MPW  01-289/02:24:28.800  01-289/02:36:38.800
           0000000000000000000000000000000000000000000000000000326360001260 11BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
32INTERMIN0132ISTERMIN01AIJ06256012:06:006256012:75:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360IM8  01-289/02:38:44.000  01-289/02:39:30.000
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
32INTERMIN0232ISTERMIN02AIK06256014:19:006256014:88:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360IM8  01-289/02:40:54.000  01-289/02:41:40.000
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
32INREGION0132INREGION01ADI06256046:13:006256109:78:01         IO       1214 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525        2         36LPU  01-289/03:13:11.466  01-289/04:17:36.800
           000000000000000000000000000000000000000000000000000011303600113010000001039FF010000001000000100000010000001039FF01000
0001000000100000010000001039FF0100000
32INREGION0132INREGION01BDI06256046:13:006256078:90:01         IO       1214 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525        3         48LPU  01-289/03:13:11.466  01-289/03:46:24.666
           0000000000000000000000000000000000000000000000000000113048001130100000010000001000000 1039FF010000001039FF010000001039
FF010000001039FF010000001000000100000
32INREGION0132INREGION01CDI06256046:13:006256109:78:01         IO       1214 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                  84LPU  01-289/03:13:11.466  01-289/04:17:36.800
           000000000000000000000000000000000000000000000000000011308400113010000001039FF010000001039FF010000001039FF01039FF01039
FF010000001039FF010000001039FF0100000
32INREGION0132INREGION01DDI06256046:13:006256109:78:01         IO       1214 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525        3         36LPU  01-289/03:13:11.466  01-289/04:17:36.800
           00000000000000000000000000000000000000000000000000001130360011301039FF010000001039FF010000001000000100000010000001000
0001000000100000 01039FF01000000100000
32INREGION0132INREGION01IDI06256046:13:106256109:78:01         IO       1214 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0000000                 120LPU2001-289/03:13:11.4662001-289/04:17:36.800
           00000000000000000000000000000000000000000000000000001131200001301039FF01039FF01039FF01039FF010000001039FF01039FF01039
FF010000001039FF01039FF01039FF0100000
32INREGION0232INREGION02ADJ06256274:10:006256306:00:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         72LPU  01-289/07:03:40.866  01-289/07:35:55.466
           000000000000000000000000000000000000000000000000000032607200126010000001039FF010000001000000100000010 39FF010000001000
00010000001039FF010000001000000100000010 39FF010000001000000100000010000001039FF010000001000000100000010000001039FF0100000010000001000000100000
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32INREGION0232INREGION02BDJ06256274:10:006256306:00:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         72LPU  01-289/07:03:40.866  01-289/07:35:55.466
           0000000000000000000000000000000000000000000000000000326072001260100000001000000010000001039FF010000001000000010000001039
FF010000001000000010000001039FF010000001000000010000001039FF010000001000000010000001039FF010000001000000010000001039FF01000000100000
32INREGION0232INREGION02CDJ06256274:10:006256306:00:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 144LPU  01-289/07:03:40.866  01-289/07:35:55.466
           00000000000000000000000000000000000000000000000000003261440012601000000001039FF010000001039FF010000001039FF010000001039
FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000
32INREGION0232INREGION02DDJ06256274:10:006256306:00:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3        108LPU  01-289/07:03:40.800  01-289/07:35:55.466
           0000000000000000000000000000000000000000000000000000326108001260 1039FF010000001039FF010000001039FF0100000001000000 1000
0001039FF010000001039FF01000000100000010000001039FF010000001039FF01000000100000010000001039FF010000001039FF0100000010000000100000
32INREGION0232INREGION02IDJ06256274:10:106256306:00:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0000000                 252LPU2001-289/07:03:40.8002001-289/07:35:55.466
           0000000000000000000000000000000000000000000000000000326252000260 1039FF01039FF01039FF01039FF01039FF01039FF010000001039
FF01039FF01039FF01039FF01039FF010000001039FF01039FF01039FF01039FF010000001039FF01039FF01039FF01039FF0100000100000
32JNGLOBAL0132JNGLOBAL01ADK06257114:60:006257153:39:01         JUPITER  7214 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525        2          7LPU  01-289/21:13:34.800  01-289/21:52:46.800
           000000000000000000000000000000000000000000000000000071300700113 01028D501028D501028D501028D501028D501028D501028D501028
D501028D501028D501028D501028D50100000
32JNGLOBAL0232JNGLOBAL02ADL06257444:51:006257479:73:01         JUPITER  7214 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525        2          7LPU  01-290/02:47:08.733  01-290/03:22:46.066
           000000000000000000000000000000000000000000000000000071300700113 01028D501028D501028D501028D501028D501028D501028D501028
D501028D501028D501028D501028D50100000
32NNRCTRLT01LSNNRCTRTA01RXU06338668:00:006338675:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 2001-347/03:33:00.7332001-347/03:40:13.400
           0000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

32NNRCTRLT01LSNNRCTRTA01SXU06338682:00:006338683:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 2001-347/03:47:10.0662001-347/03:48:18.733
           0000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

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