Chapter 4 - NIMS Observation Summaries

Contents

	Sub-Section	Page
4.0	Contents	1
4.1	Introduction to Chapter 4	2
4.2	NIMS Sequence Summary	3-53
4.3	NIMS Individual Obstab Summaries	54-92
4.4	NIMS OBSTAB (Returned)	93-99

Introduction to Chapter 4

This chapter summarizes the NIMS I27 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 I27 Sequence. The information in this summary is derived from the I27 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 I27 data. It is also derived from the I27 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

Sequence: I27ADC   Created: 02/09/00   Begin: 00-051/04:00:00   Finish: 00-056/03:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	0	51	04:00:00.000	20A3FB	37F2PR	Initial Condition	Shield Flash Heater OFF (primary relay)	2O0	4	0	5,395,889:71:8
2	0	51	04:00:00.000	20A3FD	40HRPR	Initial Condition	RCT Heater OFF (primary relay)	2O0	4	0	5,395,889:71:8
3	0	51	04:00:00.000	20A3FF	40T2R	Initial Condition	PCT Heater 2 OFF	2O0	4	0	5,395,889:71:8
4	0	51	04:00:00.000	20A3FE	40T1PR	Initial Condition	PCT Heater 1 OFF (primary relay)	2O0	4	0	5,395,889:71:8
5	0	51	04:00:00.000	20A3EX	37HR	Initial Condition	Replacement Heaters OFF	2O0	4	0	5,395,889:71:8
6	0	51	04:00:00.000	20A3EY	37C1PR	Initial Condition	Optics Heater 1 OFF (primary relay)	2O0	4	0	5,395,889:71:8
7	0	51	04:00:00.000	20A3EZ	37C2PR	Initial Condition	Optics Heater 2 OFF (primary relay)	2O0	4	0	5,395,889:71:8
8	0	51	04:00:00.000	20A3FA	37F1PR	Initial Condition	Radiator Flash Heater OFF (primary relay)	2O0	4	0	5,395,889:71:8
9	0	51	04:00:00.000	20A3EW	37A	Initial Condition	NIMS Power ON	2O0	4	0	5,395,889:71:8
10	0	51	04:00:00.133		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,395,889:72:0
11	0	51	04:00:11.466	432JA6B	6RTDS2	NIMNCG,AACDSL,RT	AACS DESELECT	2O0	4	0	5,395,889:89:0
12	0	51	04:01:57.466	488AA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,395,891:66:0
13	0	51	04:27:33.466	488AA6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,395,917:04:0
14	0	51	04:39:38.800	488AA6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,395,929:00:0
15	0	51	04:51:01.466	488AA6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,395,940:23:0
16	0	51	14:59:27.400	465KZ6A	6DMST	5970	DMS Slew to TIC	2O0	4	0	5,396,542:00:0
17	0	51	14:59:27.400		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,396,542:00:0
18	0	51	14:59:27.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,396,542:00:0
19	0	51	14:59:27.400		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,396,542:00:0
20	0	51	14:59:34.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	5,396,542:10:0
21	0	51	14:59:35.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	2O0	4	0	5,396,542:12:1
22	0	51	16:50:19.400	488AB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,396,651:59:0
23	0	51	17:38:41.400	488AB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,396,699:44:0
24	0	51	20:42:30.066	488AB6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,396,881:25:0
25	0	51	21:12:22.066	488AB6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,396,910:74:0
26	0	51	21:49:34.866		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *5967.94 +/-	2O0	4	0	5,396,947:56:2
27	0	51	21:49:36.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5968.00 +/-	2O0	4	0	5,396,947:58:0
28	0	52	04:18:12.733	432JB6B	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2O0	4	0	5,397,331:89:0
29	0	52	04:18:13.400	432JB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2O0	4	0	5,397,331:90:0
30	0	52	04:18:14.066	432JB6C	6RTSL1		R/T Select of DDS and	2O0	4	0	5,397,332:00:0
31	0	52	04:18:14.066	432JB6D	6RTSL2	NIMNCG,AACSEL,RT	AACS SELECT	2O0	4	0	5,397,332:00:0
32	0	52	04:18:18.066	488AC6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,397,332:06:0
33	0	52	09:55:36.733	488AC6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,397,665:61:0
34	0	52	10:00:21.400	488AC6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,397,670:33:0
35	0	52	10:55:49.400	488AD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,397,725:20:0
36	0	52	11:16:44.066	488AD6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,397,745:82:0
37	0	52	11:50:23.400	488AD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,397,779:17:0
38	0	52	11:59:18.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5968.00 +/-	2O0	4	0	5,397,788:00:0
39	0	52	11:59:18.066		DMS:	: *SLEW-TIC	P7, TRACK *2, *REV, TIC 5968.00 +/-	2O0	4	0	5,397,788:00:0
40	0	52	11:59:18.066	465KA6A	6DMST	3275	DMS Slew to TIC	2O0	4	0	5,397,788:00:0
41	0	52	11:59:19.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5968.12 +/-	2O0	4	0	5,397,788:02:1
42	0	52	11:59:24.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5969.35 +/-	2O0	4	0	5,397,788:10:0
43	0	52	11:59:25.933		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC *5969.41 +/-	2O0	4	0	5,397,788:11:8
44	0	52	11:59:27.333		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC *5969.29 +/-	2O0	4	0	5,397,788:13:9
45	0	52	12:10:00.066	488AD6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	5,397,798:53:0
46	0	52	15:10:53.533		DMS:	: *RUNDOWN	P7, TRACK 2, REV, TIC *3277.06 +/-	2O0	4	0	5,397,977:44:2
47	0	52	15:10:54.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3277.00 +/-	2O0	4	0	5,397,977:46:0
48	0	52	16:01:04.066	20RI6B	6RTSL1		R/T Select of DDS and	2O0	4	0	5,398,027:10:0
49	0	52	16:59:36.066	465KB6A	6DMSC	RDY,2	DMS Control Tape stop	2O0	4	0	5,398,085:00:0
50	0	52	17:10:00.066	20TO4A	7SAFE	STOP	S/P NO MOVEMENT	2O0	4	0	5,398,095:26:0
51	0	52	17:10:50.066	20TO4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,398,096:10:0
52	0	52	17:10:56.066	20TO4E	7STAR	1,1610,278.815,3	Star catalog update	2O0	4	0	5,398,096:19:0
53	0	52	17:10:58.066	20TO4F	7STAR	2,9000,2.664,14.	Star catalog update	2O0	4	0	5,398,096:22:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
54	0	52	17:11:00.066	20TO4G	7STAR	3,1610,278.815,3	Star catalog update	2O0	4	0	5,398,096:25:0
55	0	52	17:11:02.066	20TO4H	7STAR	4,9000,2.664,14.	Star catalog update	2O0	4	0	5,398,096:28:0
56	0	52	17:11:04.066	20TO4I	7STAR	5,1610,278.815,3	Star catalog update	2O0	4	0	5,398,096:31:0
57	0	52	17:11:06.066	20TO4J	7STAR	6,9000,2.664,14.	Star catalog update	2O0	4	0	5,398,096:34:0
58	0	52	17:15:02.733	432OC431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	5,398,100:25:0
59	0	52	17:15:03.400	432OC6A	6RTSL1		R/T Select of DDS and	2O0	4	0	5,398,100:26:0
60	0	52	18:00:00.066	481UA4A	7VECT	BB1	Inert vect update UTC	2O0	4	0	5,398,144:67:0
61	0	52	19:00:00.066	481UB4A	7VECT		Inert vect update UTC	2O0	4	0	5,398,204:07:0
62	0	52	19:57:41.400	488AE6A	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	5,398,261:12:0
63	0	52	20:01:04.066	20RJ6B	6RTSL1		R/T Select of DDS and	2O0	4	0	5,398,264:43:0
64	0	52	20:53:09.400	488AE6B	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	2O0	4	0	5,398,315:90:0
65	0	52	21:12:22.000	488AE6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	5,398,334:90:0
66	0	52	21:25:00.000	488AE6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,398,347:44:0
67	0	52	22:06:45.333	488AE6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,398,388:71:0
68	0	52	22:40:24.666	488AF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,398,422:06:0
69	0	52	22:41:45.333	488AF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,398,423:36:0
70	0	52	23:12:30.000	20UM4A	7SCAN	NORM,38.25571,13	Check S/P Position	2O0	4	0	5,398,453:73:0
71	0	52	23:15:24.666	488AF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,398,456:62:0
72	0	52	23:45:00.000	480SB6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2O0	4	0	5,398,485:86:0
73	0	52	23:51:40.000	480SB6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2O0	4	0	5,398,492:49:0
74	0	53	00:02:14.666	192GA4A	**7CONE**	**9.0,0.0**	Check S/P Position	2O0	4	0	5,398,503:00:0
75	0	53	00:09:19.333	176GA6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2O0	4	0	5,398,510:00:0
76	0	53	00:11:34.000	176GA6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,398,512:20:0
77	0	53	00:11:36.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,512:23:0
78	0	53	00:11:36.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3277.00 +/-	2O0	4	0	5,398,512:23:0
79	0	53	00:11:37.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3277.12 +/-	2O0	4	0	5,398,512:25:1
80	0	53	00:11:42.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3278.35 +/-	2O0	4	0	5,398,512:33:0
81	0	53	00:11:43.866		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3278.41 +/-	2O0	4	0	5,398,512:34:8
82	0	53	00:11:45.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3278.29 +/-	2O0	4	0	5,398,512:36:9
83	0	53	00:11:46.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3278.12 +/-	2O0	4	0	5,398,512:38:0
84	0	53	00:11:57.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3275.47 +/-	2O0	4	0	5,398,512:55:0
85	0	53	00:11:57.333	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,512:55:0
86	0	53	00:11:58.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3275.41 +/-	2O0	4	0	5,398,512:56:8
87	0	53	00:32:54.000	488AF6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	5,398,533:29:0
88	0	53	00:52:06.000	488AF6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,398,552:28:0
89	0	53	01:30:30.000	488AG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,398,590:26:0
90	0	53	01:47:23.333	165GB4A	7SCAN	NORM,256.913998,	Check S/P Position	2O0	4	0	5,398,606:90:0
91	0	53	01:53:28.000	176GB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2O0	4	0	5,398,613:00:0
92	0	53	01:54:19.333	117GB	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	5,398,613:77:0
93	0	53	01:54:28.666	117GB105A106A4A	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,614:00:0
94	0	53	01:57:02.666	117GB105A106A4B	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,616:49:0
95	0	53	01:57:09.333	117GB105A106A4C	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,616:59:0
96	0	53	01:59:43.333	117GB105A106A4D	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,619:17:0
97	0	53	01:59:50.000	117GB105A106A4E	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,619:27:0
98	0	53	02:01:04.000	20RM6B	6RTSL1		R/T Select of DDS and	2O0	4	0	5,398,620:47:0
99	0	53	02:01:46.000	488AG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,398,621:19:0
100	0	53	02:02:24.000	117GB105A106A4F	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,621:76:0
101	0	53	02:02:30.666	117GB105A106A4G	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,621:86:0
102	0	53	02:05:04.666	117GB105A106A4H	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,624:44:0
103	0	53	02:05:11.333	117GB105A106A4I	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,624:54:0
104	0	53	02:06:02.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,625:40:0
105	0	53	02:06:02.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3275.41 +/-	2O0	4	0	5,398,625:40:0
106	0	53	02:06:04.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3275.53 +/-	2O0	4	0	5,398,625:42:1
107	0	53	02:06:09.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3276.76 +/-	2O0	4	0	5,398,625:50:0
108	0	53	02:06:10.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3276.82 +/-	2O0	4	0	5,398,625:51:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	0	53	02:06:11.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3276.70 +/-	2O0	4	0	5,398,625:53:9	
110	0	53	02:06:28.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3272.93 +/-	2O0	4	0	5,398,625:78:0	
111	0	53	02:06:50.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,626:21:0	
112	0	53	02:06:50.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3267.62 +/-	2O0	4	0	5,398,626:21:0	
113	0	53	02:06:51.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3267.56 +/-	2O0	4	0	5,398,626:22:8	
114	0	53	02:07:45.333	117GB105A106A4J	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,627:12:0	
115	0	53	02:07:52.000	117GB105A106A4K	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,627:22:0	
116	0	53	02:10:26.000	117GB105A106A4L	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,629:71:0	
117	0	53	02:10:32.666	117GB105A106A4M	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,629:81:0	
118	0	53	02:13:06.666	117GB105A106A4N	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,632:39:0	
119	0	53	02:13:13.333	117GB105A106A4O	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,632:49:0	
120	0	53	02:15:47.333	117GB105A106A4P	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,635:07:0	
121	0	53	02:15:54.000	117GB105A106A4Q	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,635:17:0	
122	0	53	02:18:28.000	117GB105A106A4R	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,637:66:0	
123	0	53	02:18:34.666	117GB105A106A4S	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,637:76:0	
124	0	53	02:19:04.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,638:30:0	
125	0	53	02:19:04.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3267.56 +/-	2O0	4	0	5,398,638:30:0	
126	0	53	02:19:06.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3267.68 +/-	2O0	4	0	5,398,638:32:1	
127	0	53	02:19:11.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3268.92 +/-	2O0	4	0	5,398,638:40:0	
128	0	53	02:19:12.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3268.98 +/-	2O0	4	0	5,398,638:41:8	
129	0	53	02:19:13.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3268.86 +/-	2O0	4	0	5,398,638:43:9	
130	0	53	02:19:30.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3265.09 +/-	2O0	4	0	5,398,638:68:0	
131	0	53	02:19:52.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,639:11:0	
132	0	53	02:19:52.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3259.78 +/-	2O0	4	0	5,398,639:11:0	
133	0	53	02:19:53.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3259.72 +/-	2O0	4	0	5,398,639:12:8	
134	0	53	02:21:08.666	117GB105A106A4T	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,640:34:0	
135	0	53	02:21:15.333	117GB105A106A4U	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,640:44:0	
136	0	53	02:23:49.333	117GB105A106A4V	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,643:02:0	
137	0	53	02:23:56.000	117GB105A106A4W	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,643:12:0	
138	0	53	02:26:30.000	117GB105A106A4X	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,645:61:0	
139	0	53	02:26:36.666	117GB105A106A4Y	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,645:71:0	
140	0	53	02:29:10.666	117GB105A106A4Z	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,648:29:0	
141	0	53	02:29:17.333	117GB105A106A4AA	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,648:39:0	
142	0	53	02:31:51.333	117GB105A106A4AB	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,650:88:0	
143	0	53	02:31:58.000	117GB105A106A4AC	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,651:07:0	
144	0	53	02:32:06.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3259.72 +/-	2O0	4	0	5,398,651:20:0	
145	0	53	02:32:06.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,651:20:0	
146	0	53	02:32:08.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3259.84 +/-	2O0	4	0	5,398,651:22:1	
147	0	53	02:32:13.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3261.07 +/-	2O0	4	0	5,398,651:30:0	
148	0	53	02:32:14.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3261.13 +/-	2O0	4	0	5,398,651:31:8	
149	0	53	02:32:15.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3261.01 +/-	2O0	4	0	5,398,651:33:9	
150	0	53	02:32:32.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3257.25 +/-	2O0	4	0	5,398,651:58:0	
151	0	53	02:32:54.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,652:01:0	
152	0	53	02:32:54.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3251.93 +/-	2O0	4	0	5,398,652:01:0	
153	0	53	02:32:55.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3251.88 +/-	2O0	4	0	5,398,652:02:8	
154	0	53	02:34:32.000	117GB105A106A4AD	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,653:56:0	
155	0	53	02:34:38.666	117GB105A106A4AE	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,653:66:0	
156	0	53	02:37:12.666	117GB105A106A4AF	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,656:24:0	
157	0	53	02:37:19.333	117GB105A106A4AG	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,656:34:0	
158	0	53	02:39:53.333	117GB105A106A4AH	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,658:83:0	
159	0	53	02:40:00.000	117GB105A106A4AI	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,659:02:0	
160	0	53	02:42:34.000	117GB105A106A4AJ	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,661:51:0	
161	0	53	02:42:40.666	117GB105A106A4AK	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,661:61:0	
162	0	53	02:45:09.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3251.88 +/-	2O0	4	0	5,398,664:11:0	
163	0	53	02:45:09.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,664:11:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
164	0	53	02:45:10.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3251.99 +/-	2O0	4	0	5,398,664:13:1
165	0	53	02:45:14.666	117GB105A106A4AL	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,664:19:0
166	0	53	02:45:16.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3253.23 +/-	2O0	4	0	5,398,664:21:0
167	0	53	02:45:17.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3253.29 +/-	2O0	4	0	5,398,664:22:8
168	0	53	02:45:18.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3253.17 +/-	2O0	4	0	5,398,664:24:9
169	0	53	02:45:21.333	117GB105A106A4AM	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,664:29:0
170	0	53	02:45:25.333	488AG6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,398,664:35:0
171	0	53	02:45:34.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3249.56 +/-	2O0	4	0	5,398,664:48:0
172	0	53	02:45:56.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3244.25 +/-	2O0	4	0	5,398,664:82:0
173	0	53	02:45:56.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,664:82:0
174	0	53	02:45:57.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3244.19 +/-	2O0	4	0	5,398,664:83:8
175	0	53	02:47:55.333	117GB105A106A4AN	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,666:78:0
176	0	53	02:48:02.000	117GB105A106A4AO	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,666:88:0
177	0	53	02:50:36.000	117GB105A106A4AP	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,669:46:0
178	0	53	02:50:42.666	117GB105A106A4AQ	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,669:56:0
179	0	53	02:53:16.666	117GB105A106A4AR	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,672:14:0
180	0	53	02:53:23.333	117GB105A106A4AS	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,672:24:0
181	0	53	02:55:57.333	117GB105A106A4AT	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,674:73:0
182	0	53	02:56:04.000	117GB105A106A4AU	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,674:83:0
183	0	53	02:58:11.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3244.19 +/-	2O0	4	0	5,398,677:01:0
184	0	53	02:58:11.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,677:01:0
185	0	53	02:58:12.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3244.31 +/-	2O0	4	0	5,398,677:03:1
186	0	53	02:58:18.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3245.54 +/-	2O0	4	0	5,398,677:11:0
187	0	53	02:58:19.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3245.60 +/-	2O0	4	0	5,398,677:12:8
188	0	53	02:58:20.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3245.48 +/-	2O0	4	0	5,398,677:14:9
189	0	53	02:58:36.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3241.72 +/-	2O0	4	0	5,398,677:39:0
190	0	53	02:58:38.000	117GB105A106A4AV	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,677:41:0
191	0	53	02:58:44.666	117GB105A106A4AW	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,677:51:0
192	0	53	02:58:59.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3236.40 +/-	2O0	4	0	5,398,677:73:0
193	0	53	02:58:59.333	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,677:73:0
194	0	53	02:59:00.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3236.34 +/-	2O0	4	0	5,398,677:74:8
195	0	53	03:01:18.666	117GB105A106A4AX	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,680:09:0
196	0	53	03:01:25.333	117GB105A106A4AY	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,680:19:0
197	0	53	03:03:59.333	117GB105A106A4AZ	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,682:68:0
198	0	53	03:04:06.000	117GB105A106A4BA	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,682:78:0
199	0	53	03:06:40.000	117GB105A106A4BB	7STRP	0.024705,-0.0009	Slew =12.01	2O0	4	0	5,398,685:36:0
200	0	53	03:06:46.666	117GB105A106A4BC	7STRP	-0.021003,0.0,0,	Slew =,0.14	2O0	4	0	5,398,685:46:0
201	0	53	03:09:20.666	117GB11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	5,398,688:04:0
202	0	53	03:11:13.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3236.34 +/-	2O0	4	0	5,398,689:82:0
203	0	53	03:11:13.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,689:82:0
204	0	53	03:11:14.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3236.46 +/-	2O0	4	0	5,398,689:84:1
205	0	53	03:11:20.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3237.70 +/-	2O0	4	0	5,398,690:01:0
206	0	53	03:11:21.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3237.76 +/-	2O0	4	0	5,398,690:02:8
207	0	53	03:11:22.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3237.64 +/-	2O0	4	0	5,398,690:04:9
208	0	53	03:11:38.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3233.87 +/-	2O0	4	0	5,398,690:29:0
209	0	53	03:12:01.333	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,690:63:0
210	0	53	03:12:01.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3228.56 +/-	2O0	4	0	5,398,690:63:0
211	0	53	03:12:02.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3228.50 +/-	2O0	4	0	5,398,690:64:8
212	0	53	03:14:51.333	176GB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,398,693:45:0
213	0	53	03:14:53.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,693:48:0
214	0	53	03:14:53.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3228.50 +/-	2O0	4	0	5,398,693:48:0
215	0	53	03:14:54.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3228.62 +/-	2O0	4	0	5,398,693:50:1
216	0	53	03:15:00.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3229.85 +/-	2O0	4	0	5,398,693:58:0
217	0	53	03:15:01.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3229.91 +/-	2O0	4	0	5,398,693:59:8
218	0	53	03:15:02.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3229.79 +/-	2O0	4	0	5,398,693:61:9

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	0	53	03:15:03.333		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3229.62 +/-	2O0	4	0	5,398,693:63:0	
220	0	53	03:15:16.000	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,693:82:0	
221	0	53	03:15:16.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3226.65 +/-	2O0	4	0	5,398,693:82:0	
222	0	53	03:15:17.200		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3226.59 +/-	2O0	4	0	5,398,693:83:8	
223	0	53	03:18:00.000	488AG6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	5,398,696:55:0	
224	0	53	04:50:24.000	165GC4A	7SCAN	NORM,263.059998,	Check S/P Position	2O0	4	0	5,398,787:90:0	
225	0	53	04:53:26.666	176GC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2O0	4	0	5,398,791:00:0	
226	0	53	04:54:18.000	117GC	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	5,398,791:77:0	
227	0	53	04:54:27.333	117GC105A106A4A	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,792:00:0	
228	0	53	04:55:17.333	117GC105A106A4B	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,792:75:0	
229	0	53	04:55:23.333	117GC105A106A4C	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,792:84:0	
230	0	53	04:56:13.333	117GC105A106A4D	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,793:68:0	
231	0	53	04:56:19.333	117GC105A106A4E	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,793:77:0	
232	0	53	04:57:09.333	117GC105A106A4F	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,794:61:0	
233	0	53	04:57:15.333	117GC105A106A4G	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,794:70:0	
234	0	53	04:58:05.333	117GC105A106A4H	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,795:54:0	
235	0	53	04:58:11.333	117GC105A106A4I	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,795:63:0	
236	0	53	04:59:01.333	117GC105A106A4J	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,796:47:0	
237	0	53	04:59:07.333	117GC105A106A4K	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,796:56:0	
238	0	53	04:59:57.333	117GC105A106A4L	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,797:40:0	
239	0	53	05:00:03.333	117GC105A106A4M	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,797:49:0	
240	0	53	05:00:53.333	117GC105A106A4N	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,798:33:0	
241	0	53	05:00:59.333	117GC105A106A4O	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,798:42:0	
242	0	53	05:01:49.333	117GC105A106A4P	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,799:26:0	
243	0	53	05:01:55.333	117GC105A106A4Q	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,799:35:0	
244	0	53	05:02:45.333	117GC105A106A4R	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,800:19:0	
245	0	53	05:02:51.333	117GC105A106A4S	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,800:28:0	
246	0	53	05:03:41.333	117GC105A106A4T	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,801:12:0	
247	0	53	05:03:47.333	117GC105A106A4U	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,801:21:0	
248	0	53	05:04:37.333	117GC105A106A4V	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,802:05:0	
249	0	53	05:04:43.333	117GC105A106A4W	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,802:14:0	
250	0	53	05:05:33.333	117GC105A106A4X	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,802:89:0	
251	0	53	05:05:39.333	117GC105A106A4Y	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,803:07:0	
252	0	53	05:06:01.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3226.59 +/-	2O0	4	0	5,398,803:40:0	
253	0	53	05:06:01.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,803:40:0	
254	0	53	05:06:02.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3226.71 +/-	2O0	4	0	5,398,803:42:1	
255	0	53	05:06:08.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3227.95 +/-	2O0	4	0	5,398,803:50:0	
256	0	53	05:06:09.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3228.01 +/-	2O0	4	0	5,398,803:51:8	
257	0	53	05:06:10.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3227.89 +/-	2O0	4	0	5,398,803:53:9	
258	0	53	05:06:26.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3224.12 +/-	2O0	4	0	5,398,803:78:0	
259	0	53	05:06:29.333	117GC105A106A4Z	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,803:82:0	
260	0	53	05:06:35.333	117GC105A106A4AA	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,804:00:0	
261	0	53	05:06:49.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3218.81 +/-	2O0	4	0	5,398,804:21:0	
262	0	53	05:06:49.333	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,804:21:0	
263	0	53	05:06:50.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3218.75 +/-	2O0	4	0	5,398,804:22:8	
264	0	53	05:07:25.333	117GC105A106A4AB	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,804:75:0	
265	0	53	05:07:31.333	117GC105A106A4AC	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,804:84:0	
266	0	53	05:08:21.333	117GC105A106A4AD	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,805:68:0	
267	0	53	05:08:27.333	117GC105A106A4AE	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,805:77:0	
268	0	53	05:09:17.333	117GC105A106A4AF	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,806:61:0	
269	0	53	05:09:23.333	117GC105A106A4AG	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,806:70:0	
270	0	53	05:10:13.333	117GC105A106A4AH	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,807:54:0	
271	0	53	05:10:19.333	117GC105A106A4AI	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,807:63:0	
272	0	53	05:11:09.333	117GC105A106A4AJ	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,808:47:0	
273	0	53	05:11:15.333	117GC105A106A4AK	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,808:56:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	0	53	05:12:05.333	117GC105A106A4AL	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,809:40:0	
275	0	53	05:12:11.333	117GC105A106A4AM	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,809:49:0	
276	0	53	05:13:01.333	117GC105A106A4AN	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,810:33:0	
277	0	53	05:13:07.333	117GC105A106A4AO	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,810:42:0	
278	0	53	05:13:57.333	117GC105A106A4AP	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,811:26:0	
279	0	53	05:14:03.333	117GC105A106A4AQ	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,811:35:0	
280	0	53	05:14:53.333	117GC105A106A4AR	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,812:19:0	
281	0	53	05:14:59.333	117GC105A106A4AS	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,812:28:0	
282	0	53	05:15:49.333	117GC105A106A4AT	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,813:12:0	
283	0	53	05:15:55.333	117GC105A106A4AU	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,813:21:0	
284	0	53	05:16:45.333	117GC105A106A4AV	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,814:05:0	
285	0	53	05:16:51.333	117GC105A106A4AW	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,814:14:0	
286	0	53	05:17:41.333	117GC105A106A4AX	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,814:89:0	
287	0	53	05:17:47.333	117GC105A106A4AY	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,815:07:0	
288	0	53	05:18:37.333	117GC105A106A4AZ	7STRP	0.0072,-0.00115,	Slew =12.01	2O0	4	0	5,398,815:82:0	
289	0	53	05:18:43.333	117GC105A106A4BA	7STRP	-0.0058,0.0,0,0,	Slew =,0.12	2O0	4	0	5,398,816:00:0	
290	0	53	05:19:03.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,816:30:0	
291	0	53	05:19:03.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3218.75 +/-	2O0	4	0	5,398,816:30:0	
292	0	53	05:19:04.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3218.87 +/-	2O0	4	0	5,398,816:32:1	
293	0	53	05:19:10.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3220.10 +/-	2O0	4	0	5,398,816:40:0	
294	0	53	05:19:11.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3220.16 +/-	2O0	4	0	5,398,816:41:8	
295	0	53	05:19:12.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3220.04 +/-	2O0	4	0	5,398,816:43:9	
296	0	53	05:19:28.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3216.28 +/-	2O0	4	0	5,398,816:68:0	
297	0	53	05:19:33.333	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	5,398,816:75:0	
298	0	53	05:19:51.333	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,817:11:0	
299	0	53	05:19:51.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3210.97 +/-	2O0	4	0	5,398,817:11:0	
300	0	53	05:19:52.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3210.91 +/-	2O0	4	0	5,398,817:12:8	
301	0	53	05:21:01.333	176GC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,398,818:25:0	
302	0	53	05:21:03.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,818:28:0	
303	0	53	05:21:03.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3210.91 +/-	2O0	4	0	5,398,818:28:0	
304	0	53	05:21:04.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3211.03 +/-	2O0	4	0	5,398,818:30:1	
305	0	53	05:21:10.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3212.26 +/-	2O0	4	0	5,398,818:38:0	
306	0	53	05:21:11.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3212.32 +/-	2O0	4	0	5,398,818:39:8	
307	0	53	05:21:12.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3212.20 +/-	2O0	4	0	5,398,818:41:9	
308	0	53	05:21:13.333		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3212.03 +/-	2O0	4	0	5,398,818:43:0	
309	0	53	05:21:24.000	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,818:59:0	
310	0	53	05:21:24.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3209.53 +/-	2O0	4	0	5,398,818:59:0	
311	0	53	05:21:25.200		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3209.47 +/-	2O0	4	0	5,398,818:60:8	
312	0	53	05:50:00.000	480SC6A	6MROH	44,23E8,0,A10	read from LLM2A44,23E8,0,A1	2O0	4	0	5,398,846:85:0	
313	0	53	05:51:20.000	480SC6B	6MROH	45,23E8,0,B10	read from LLM2B45,23E8,0,B1	2O0	4	0	5,398,848:23:0	
314	0	53	06:01:04.000	20RN6B	6RTSL1		R/T Select of DDS and	2O0	4	0	5,398,857:80:0	
315	0	53	06:56:47.333	165GD4A	7SCAN	NORM,242.445999,	Check S/P Position	2O0	4	0	5,398,912:90:0	
316	0	53	06:59:50.000	176GD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2O0	4	0	5,398,916:00:0	
317	0	53	07:00:41.333	117GD	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	5,398,916:77:0	
318	0	53	07:00:50.666	117GD105A106A4A	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,917:00:0	
319	0	53	07:03:54.000	117GD105A106A4B	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,920:02:0	
320	0	53	07:04:00.000	117GD105A106A4C	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,920:11:0	
321	0	53	07:07:03.333	117GD105A106A4D	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,923:13:0	
322	0	53	07:07:09.333	117GD105A106A4E	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,923:22:0	
323	0	53	07:10:12.666	117GD105A106A4F	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,926:24:0	
324	0	53	07:10:18.666	117GD105A106A4G	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,926:33:0	
325	0	53	07:12:24.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,928:40:0	
326	0	53	07:12:24.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3209.47 +/-	2O0	4	0	5,398,928:40:0	
327	0	53	07:12:26.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3209.59 +/-	2O0	4	0	5,398,928:42:1	
328	0	53	07:12:31.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3210.82 +/-	2O0	4	0	5,398,928:50:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	0	53	07:12:32.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3210.88 +/-	2O0	4	0	5,398,928:51:8	
330	0	53	07:12:33.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3210.76 +/-	2O0	4	0	5,398,928:53:9	
331	0	53	07:12:50.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3207.00 +/-	2O0	4	0	5,398,928:78:0	
332	0	53	07:13:12.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3201.68 +/-	2O0	4	0	5,398,929:21:0	
333	0	53	07:13:12.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,929:21:0	
334	0	53	07:13:13.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3201.63 +/-	2O0	4	0	5,398,929:22:8	
335	0	53	07:13:22.000	117GD105A106A4H	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,929:35:0	
336	0	53	07:13:28.000	117GD105A106A4I	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,929:44:0	
337	0	53	07:16:31.333	117GD105A106A4J	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,932:46:0	
338	0	53	07:16:37.333	117GD105A106A4K	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,932:55:0	
339	0	53	07:19:40.666	117GD105A106A4L	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,935:57:0	
340	0	53	07:19:46.666	117GD105A106A4M	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,935:66:0	
341	0	53	07:22:50.000	117GD105A106A4N	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,938:68:0	
342	0	53	07:22:56.000	117GD105A106A4O	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,938:77:0	
343	0	53	07:25:26.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3201.63 +/-	2O0	4	0	5,398,941:30:0	
344	0	53	07:25:26.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,941:30:0	
345	0	53	07:25:28.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3201.74 +/-	2O0	4	0	5,398,941:32:1	
346	0	53	07:25:33.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3202.98 +/-	2O0	4	0	5,398,941:40:0	
347	0	53	07:25:34.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3203.04 +/-	2O0	4	0	5,398,941:41:8	
348	0	53	07:25:35.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3202.92 +/-	2O0	4	0	5,398,941:43:9	
349	0	53	07:25:52.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3199.15 +/-	2O0	4	0	5,398,941:68:0	
350	0	53	07:25:59.333	117GD105A106A4P	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,941:79:0	
351	0	53	07:26:05.333	117GD105A106A4Q	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,941:88:0	
352	0	53	07:26:14.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3193.84 +/-	2O0	4	0	5,398,942:11:0	
353	0	53	07:26:14.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,942:11:0	
354	0	53	07:26:15.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3193.78 +/-	2O0	4	0	5,398,942:12:8	
355	0	53	07:29:08.666	117GD105A106A4R	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,944:90:0	
356	0	53	07:29:14.666	117GD105A106A4S	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,945:08:0	
357	0	53	07:32:18.000	117GD105A106A4T	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,948:10:0	
358	0	53	07:32:24.000	117GD105A106A4U	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,948:19:0	
359	0	53	07:35:27.333	117GD105A106A4V	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,951:21:0	
360	0	53	07:35:33.333	117GD105A106A4W	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,951:30:0	
361	0	53	07:38:28.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3193.78 +/-	2O0	4	0	5,398,954:20:0	
362	0	53	07:38:28.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,954:20:0	
363	0	53	07:38:30.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3193.90 +/-	2O0	4	0	5,398,954:22:1	
364	0	53	07:38:35.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3195.14 +/-	2O0	4	0	5,398,954:30:0	
365	0	53	07:38:36.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3195.20 +/-	2O0	4	0	5,398,954:31:8	
366	0	53	07:38:36.666	117GD105A106A4X	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,954:32:0	
367	0	53	07:38:37.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3195.08 +/-	2O0	4	0	5,398,954:33:9	
368	0	53	07:38:42.666	117GD105A106A4Y	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,954:41:0	
369	0	53	07:38:54.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3191.31 +/-	2O0	4	0	5,398,954:58:0	
370	0	53	07:39:16.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3186.00 +/-	2O0	4	0	5,398,955:01:0	
371	0	53	07:39:16.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,955:01:0	
372	0	53	07:39:17.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3185.94 +/-	2O0	4	0	5,398,955:02:8	
373	0	53	07:41:46.000	117GD105A106A4Z	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,957:43:0	
374	0	53	07:41:52.000	117GD105A106A4AA	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,957:52:0	
375	0	53	07:44:55.333	117GD105A106A4AB	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,960:54:0	
376	0	53	07:45:01.333	117GD105A106A4AC	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,960:63:0	
377	0	53	07:48:04.666	117GD105A106A4AD	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,963:65:0	
378	0	53	07:48:10.666	117GD105A106A4AE	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,963:74:0	
379	0	53	07:51:14.000	117GD105A106A4AF	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,966:76:0	
380	0	53	07:51:20.000	117GD105A106A4AG	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,966:85:0	
381	0	53	07:51:31.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3185.94 +/-	2O0	4	0	5,398,967:11:0	
382	0	53	07:51:31.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,967:11:0	
383	0	53	07:51:32.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3186.06 +/-	2O0	4	0	5,398,967:13:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	0	53	07:51:38.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3187.29 +/-	2O0	4	0	5,398,967:21:0	
385	0	53	07:51:39.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3187.35 +/-	2O0	4	0	5,398,967:22:8	
386	0	53	07:51:40.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3187.23 +/-	2O0	4	0	5,398,967:24:9	
387	0	53	07:51:56.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3183.62 +/-	2O0	4	0	5,398,967:48:0	
388	0	53	07:52:18.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,967:82:0	
389	0	53	07:52:18.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3178.31 +/-	2O0	4	0	5,398,967:82:0	
390	0	53	07:52:19.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3178.25 +/-	2O0	4	0	5,398,967:83:8	
391	0	53	07:54:23.333	117GD105A106A4AH	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,969:87:0	
392	0	53	07:54:29.333	117GD105A106A4AI	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,970:05:0	
393	0	53	07:57:32.666	117GD105A106A4AJ	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,973:07:0	
394	0	53	07:57:38.666	117GD105A106A4AK	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,973:16:0	
395	0	53	08:00:42.000	117GD105A106A4AL	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,976:18:0	
396	0	53	08:00:48.000	117GD105A106A4AM	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,976:27:0	
397	0	53	08:03:51.333	117GD105A106A4AN	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,979:29:0	
398	0	53	08:03:57.333	117GD105A106A4AO	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,979:38:0	
399	0	53	08:04:33.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3178.25 +/-	2O0	4	0	5,398,980:01:0	
400	0	53	08:04:33.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,980:01:0	
401	0	53	08:04:34.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3178.37 +/-	2O0	4	0	5,398,980:03:1	
402	0	53	08:04:40.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3179.60 +/-	2O0	4	0	5,398,980:11:0	
403	0	53	08:04:41.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3179.66 +/-	2O0	4	0	5,398,980:12:8	
404	0	53	08:04:42.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3179.54 +/-	2O0	4	0	5,398,980:14:9	
405	0	53	08:04:58.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3175.78 +/-	2O0	4	0	5,398,980:39:0	
406	0	53	08:05:21.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3170.47 +/-	2O0	4	0	5,398,980:73:0	
407	0	53	08:05:21.333	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,980:73:0	
408	0	53	08:05:22.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3170.41 +/-	2O0	4	0	5,398,980:74:8	
409	0	53	08:07:00.666	117GD105A106A4AP	7STRP	0.026806,-0.0013	Slew =12.01	2O0	4	0	5,398,982:40:0	
410	0	53	08:07:06.666	117GD105A106A4AQ	7STRP	-0.028808,0.0,0,	Slew =,0.16	2O0	4	0	5,398,982:49:0	
411	0	53	08:10:10.000	117GD11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	5,398,985:51:0	
412	0	53	08:11:06.666	176GD6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2O0	4	0	5,398,986:45:0	
413	0	53	08:11:08.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3170.41 +/-	2O0	4	0	5,398,986:48:0	
414	0	53	08:11:08.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,398,986:48:0	
415	0	53	08:11:10.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3170.53 +/-	2O0	4	0	5,398,986:50:1	
416	0	53	08:11:15.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3171.76 +/-	2O0	4	0	5,398,986:58:0	
417	0	53	08:11:16.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3171.82 +/-	2O0	4	0	5,398,986:59:8	
418	0	53	08:11:17.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3171.70 +/-	2O0	4	0	5,398,986:61:9	
419	0	53	08:11:18.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3171.53 +/-	2O0	4	0	5,398,986:63:0	
420	0	53	08:11:34.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3167.93 +/-	2O0	4	0	5,398,986:86:0	
421	0	53	08:11:34.000	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,398,986:86:0	
422	0	53	08:11:35.200		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3167.88 +/-	2O0	4	0	5,398,986:87:8	
423	0	53	08:31:49.333	432OG431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	5,399,006:89:0	
424	0	53	08:31:50.000	432OG6A	6RTSL1		R/T Select of DDS and	2O0	4	0	5,399,006:90:0	
425	0	53	08:47:49.333	488AH6A	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	5,399,022:73:0	
426	0	53	09:24:05.333	488AH6B	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	2O0	4	0	5,399,058:61:0	
427	0	53	09:56:05.333	488AH6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	5,399,090:29:0	
428	0	53	10:01:04.000	20RO6B	6RTSL1		R/T Select of DDS and	2O0	4	0	5,399,095:22:0	
429	0	53	10:11:49.333	165IP4A	7SCAN	NORM,32.13,14.69	Check S/P Position	2O0	4	0	5,399,105:80:0	
430	0	53	10:14:47.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3167.88 +/-	2O0	4	0	5,399,108:74:0	
431	0	53	10:14:47.333	175IP422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2O0	4	0	5,399,108:74:0	
432	0	53	10:14:48.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3167.99 +/-	2O0	4	0	5,399,108:76:1	
433	0	53	10:14:54.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3169.23 +/-	2O0	4	0	5,399,108:84:0	
434	0	53	10:14:55.200		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *3169.29 +/-	2O0	4	0	5,399,108:85:8	
435	0	53	10:14:57.333	165IP4B	7VECT		Inert vect update UTC	2O0	4	0	5,399,108:89:0	
436	0	53	10:14:59.333	118IP	**SMOS**	GS		2O0	4	0	5,399,109:01:0	
437	0	53	10:15:00.000	175IP176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2O0	4	0	5,399,109:02:0	
438	0	53	10:15:00.466		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *3103.29 +/-	2O0	4	0	5,399,109:02:7	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	0	53	10:15:00.466		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 3103.29 +/-	2O0	4	0	5,399,109:02:7	
440	0	53	10:15:09.333	118IP110A111A4A	7STRP	0.0,0.00075,26,0	Slew =,3.41	2O0	4	0	5,399,109:16:0	
441	0	53	10:15:18.000	118IP11A	**SMOS**	GE		2O0	4	0	5,399,109:29:0	
442	0	53	10:15:23.333	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2O0	4	0	5,399,109:37:0	
443	0	53	10:15:23.333		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *2540.55 +/-	2O0	4	0	5,399,109:37:0	
444	0	53	10:15:26.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2529.05 +/-	2O0	4	0	5,399,109:41:1	
445	0	53	10:21:52.000	175MA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2O0	4	0	5,399,115:74:0	
446	0	53	10:21:52.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2529.05 +/-	2O0	4	0	5,399,115:74:0	
447	0	53	10:21:53.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2529.17 +/-	2O0	4	0	5,399,115:76:1	
448	0	53	10:21:58.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2530.41 +/-	2O0	4	0	5,399,115:84:0	
449	0	53	10:21:59.866		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2530.47 +/-	2O0	4	0	5,399,115:85:8	
450	0	53	10:22:00.666	175MA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2O0	4	0	5,399,115:87:0	
451	0	53	10:22:01.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2530.35 +/-	2O0	4	0	5,399,115:87:9	
452	0	53	10:22:01.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2530.35 +/-	2O0	4	0	5,399,115:87:9	
453	0	53	10:55:49.333	488AH6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	5,399,149:36:0	
454	0	53	10:56:46.000	488AH6E	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2O0	4	0	5,399,150:30:0	
455	0	53	10:58:00.000	488AI6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,399,151:50:0	
456	0	53	11:00:00.000	488AI6B	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2O0	4	0	5,399,153:48:0	
457	0	53	11:10:32.666	282NA431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	2O0	4	0	5,399,163:87:0	
458	0	53	11:10:35.333	431OA6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2O0	4	0	5,399,164:00:0	
459	0	53	11:18:40.000	165GE4A	7SCAN	NORM,240.181,-20	Check S/P Position	2O0	4	0	5,399,171:90:0	
460	0	53	11:22:34.000	117GE	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	5,399,175:77:0	
461	0	53	11:22:43.333	117GE105A106A4A	7STRP	-0.035014,0.0,0,	Slew =,0.14	2O0	4	0	5,399,176:00:0	
462	0	53	11:26:57.333	117GE105A106A4B	7STRP	0.038519,-0.0017	Slew =12.01	2O0	4	0	5,399,180:17:0	
463	0	53	11:27:04.666	117GE105A106A4C	7STRP	-0.035014,0.0,0,	Slew =,0.14	2O0	4	0	5,399,180:28:0	
464	0	53	11:31:18.666	117GE105A106A4D	7STRP	0.038519,-0.0017	Slew =12.01	2O0	4	0	5,399,184:45:0	
465	0	53	11:31:26.000	117GE105A106A4E	7STRP	-0.035014,0.0,0,	Slew =,0.14	2O0	4	0	5,399,184:56:0	
466	0	53	11:35:40.000	117GE105A106A4F	7STRP	0.038519,-0.0017	Slew =12.01	2O0	4	0	5,399,188:73:0	
467	0	53	11:35:47.333	117GE105A106A4G	7STRP	-0.035014,0.0,0,	Slew =,0.14	2O0	4	0	5,399,188:84:0	
468	0	53	11:40:01.333	117GE105A106A4H	7STRP	0.038519,-0.0017	Slew =12.01	2O0	4	0	5,399,193:10:0	
469	0	53	11:40:08.666	117GE105A106A4I	7STRP	-0.035014,0.0,0,	Slew =,0.14	2O0	4	0	5,399,193:21:0	
470	0	53	11:40:25.333	488AI6C	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2O0	4	0	5,399,193:46:0	
471	0	53	11:44:22.666	117GE105A106A4J	7STRP	0.038519,-0.0017	Slew =12.01	2O0	4	0	5,399,197:38:0	
472	0	53	11:44:30.000	117GE105A106A4K	7STRP	-0.035014,0.0,0,	Slew =,0.14	2O0	4	0	5,399,197:49:0	
473	0	53	11:48:44.000	117GE105A106A4L	7STRP	0.038519,-0.0017	Slew =12.01	2O0	4	0	5,399,201:66:0	
474	0	53	11:48:51.333	117GE105A106A4M	7STRP	-0.035014,0.0,0,	Slew =,0.14	2O0	4	0	5,399,201:77:0	
475	0	53	11:53:05.333	117GE105A106A4N	7STRP	0.038519,-0.0017	Slew =12.01	2O0	4	0	5,399,206:03:0	
476	0	53	11:53:12.666	117GE105A106A4O	7STRP	-0.035014,0.0,0,	Slew =,0.14	2O0	4	0	5,399,206:14:0	
477	0	53	11:57:26.666	117GE105A106A4P	7STRP	0.038519,-0.0017	Slew =12.01	2O0	4	0	5,399,210:31:0	
478	0	53	11:57:34.000	117GE105A106A4Q	7STRP	-0.035014,0.0,0,	Slew =,0.14	2O0	4	0	5,399,210:42:0	
479	0	53	12:00:00.000	480SD6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2O0	4	0	5,399,212:79:0	
480	0	53	12:01:48.000	117GE105A106A4R	7STRP	0.038519,-0.0017	Slew =12.01	2O0	4	0	5,399,214:59:0	
481	0	53	12:01:55.333	117GE105A106A4S	7STRP	-0.035014,0.0,0,	Slew =,0.14	2O0	4	0	5,399,214:70:0	
482	0	53	12:06:09.333	117GE105A106A4T	7STRP	0.038519,-0.0017	Slew =12.01	2O0	4	0	5,399,218:87:0	
483	0	53	12:06:16.666	117GE105A106A4U	7STRP	-0.035014,0.0,0,	Slew =,0.14	2O0	4	0	5,399,219:07:0	
484	0	53	12:06:40.000	480SD6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2O0	4	0	5,399,219:42:0	
485	0	53	12:10:30.666	117GE105A106A4V	7STRP	0.038519,-0.0017	Slew =12.01	2O0	4	0	5,399,223:24:0	
486	0	53	12:10:38.000	117GE105A106A4W	7STRP	-0.035014,0.0,0,	Slew =,0.14	2O0	4	0	5,399,223:35:0	
487	0	53	12:14:52.000	117GE105A106A4X	7STRP	0.038519,-0.0017	Slew =12.01	2O0	4	0	5,399,227:52:0	
488	0	53	12:14:59.333	117GE105A106A4Y	7STRP	-0.035014,0.0,0,	Slew =,0.14	2O0	4	0	5,399,227:63:0	
489	0	53	12:19:13.333	117GE11A	**CSMOS**	GE	***** GROUP END CSMOS	2O0	4	0	5,399,231:80:0	
490	0	53	12:24:23.333	165GF4A	7SCAN	NORM,239.922998,	Check S/P Position	2O0	4	0	5,399,236:90:0	
491	0	53	12:26:16.000	117GF	**CSMOS**	GS	***** GROUP START CSMOS	2O0	4	0	5,399,238:77:0	
492	0	53	12:26:25.333	117GF105A106A4A	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2O0	4	0	5,399,239:00:0	
493	0	53	12:28:31.333	117GF105A106A4B	7STRP	0.01,-0.001,0,0,	Slew =12.01	2O0	4	0	5,399,241:07:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	0	53	12:28:37.333	117GF105A106A4C	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2O0	4	0	5,399,241:16:0	
495	0	53	12:30:43.333	117GF105A106A4D	7STRP	0.01,-0.001,0,0,	Slew =12.01	2O0	4	0	5,399,243:23:0	
496	0	53	12:30:49.333	117GF105A106A4E	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2O0	4	0	5,399,243:32:0	
497	0	53	12:32:55.333	117GF105A106A4F	7STRP	0.01,-0.001,0,0,	Slew =12.01	2O0	4	0	5,399,245:39:0	
498	0	53	12:33:01.333	117GF105A106A4G	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2O0	4	0	5,399,245:48:0	
499	0	53	12:35:07.333	117GF105A106A4H	7STRP	0.01,-0.001,0,0,	Slew =12.01	2O0	4	0	5,399,247:55:0	
500	0	53	12:35:13.333	117GF105A106A4I	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2O0	4	0	5,399,247:64:0	
501	**0**	**53**	**12:35:35.334**	**27NNDETECT01-**		**-----START------**		**2O0**	**4**	**0**	**: :**	
502	**0**	**53**	**12:35:46.000**	**20FB5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,399,248:22:0**	
503	**0**	**53**	**12:35:47.333**	**20FB5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,399,248:24:0**	
504	**0**	**53**	**12:35:52.666**	**20FB6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,399,248:32:0**	
505	**0**	**53**	**12:36:02.666**	**20FB6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,399,248:47:0**	
506	**0**	**53**	**12:36:06.000**	**20FB5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,399,248:52:0**	
507	**0**	**53**	**12:36:12.666**	**20FB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,399,248:62:0**	
508	**0**	**53**	**12:36:20.000**	**20FB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**5,399,248:73:0**	
509	0	53	12:37:19.333	117GF105A106A4J	7STRP	0.01,-0.001,0,0,	Slew =12.01	2R0	4	0	5,399,249:71:0	
510	**0**	**53**	**12:37:20.666**	**20FB4B**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**5,399,249:73:0**	
511	0	53	12:37:25.333	117GF105A106A4K	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2R0	4	0	5,399,249:80:0	
512	**0**	**53**	**12:38:21.333**	**20FB4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,399,250:73:0**	
513	**0**	**53**	**12:39:22.000**	**20FB4D**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,399,251:73:0**	
514	**0**	**53**	**12:39:22.666**	**20FB4E**	**37ETB**	**4,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,399,251:74:0**	
515	0	53	12:39:31.333	117GF105A106A4L	7STRP	0.01,-0.001,0,0,	Slew =12.01	2R3	4	0	5,399,251:87:0	
516	0	53	12:39:37.333	117GF105A106A4M	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2R3	4	0	5,399,252:05:0	
517	0	53	12:41:43.333	117GF105A106A4N	7STRP	0.01,-0.001,0,0,	Slew =12.01	2R3	4	0	5,399,254:12:0	
518	0	53	12:41:49.333	117GF105A106A4O	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2R3	4	0	5,399,254:21:0	
519	**0**	**53**	**12:42:40.000**	**20FG6A**	**6MCOPY**	**B1A1A,68EF,NIMS,**	**B1A1A,68EF,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,255:06:0**	
520	**0**	**53**	**12:42:48.666**	**20FG6B**	**6MCOPY**	**B1A1A,68F8,NIMS,**	**B1A1A,68F8,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,255:19:0**	
521	**0**	**53**	**12:43:41.333**	**20FG6C**	**6MCOPY**	**B1A1A,6901,NIMS,**	**B1A1A,6901,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,256:07:0**	
522	**0**	**53**	**12:43:50.000**	**20FG6D**	**6MCOPY**	**B1A1A,690A,NIMS,**	**B1A1A,690A,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,256:20:0**	
523	0	53	12:43:55.333	117GF105A106A4P	7STRP	0.01,-0.001,0,0,	Slew =12.01	2R3	4	0	5,399,256:28:0	
524	0	53	12:44:01.333	117GF105A106A4Q	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2R3	4	0	5,399,256:37:0	
525	**0**	**53**	**12:44:42.666**	**20FG6E**	**6MCOPY**	**B1A1A,6913,NIMS,**	**B1A1A,6913,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,257:08:0**	
526	**0**	**53**	**12:44:51.333**	**20FG6F**	**6MCOPY**	**B1A1A,691C,NIMS,**	**B1A1A,691C,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,257:21:0**	
527	**0**	**53**	**12:45:44.000**	**20FG6G**	**6MCOPY**	**B1A1A,6925,NIMS,**	**B1A1A,6925,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,258:09:0**	
528	**0**	**53**	**12:45:52.666**	**20FG6H**	**6MCOPY**	**B1A1A,692E,NIMS,**	**B1A1A,692E,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,258:22:0**	
529	0	53	12:46:07.333	117GF105A106A4R	7STRP	0.01,-0.001,0,0,	Slew =12.01	2R3	4	0	5,399,258:44:0	
530	0	53	12:46:13.333	117GF105A106A4S	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2R3	4	0	5,399,258:53:0	
531	**0**	**53**	**12:46:45.333**	**20FG6I**	**6MCOPY**	**B1A1A,6937,NIMS,**	**B1A1A,6937,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,259:10:0**	
532	**0**	**53**	**12:46:54.000**	**20FG6J**	**6MCOPY**	**B1A1A,6940,NIMS,**	**B1A1A,6940,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,259:23:0**	
533	**0**	**53**	**12:47:46.666**	**20FG6K**	**6MCOPY**	**B1A1A,6949,NIMS,**	**B1A1A,6949,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,260:11:0**	
534	**0**	**53**	**12:47:55.333**	**20FG6L**	**6MCOPY**	**B1A1A,6952,NIMS,**	**B1A1A,6952,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,260:24:0**	
535	0	53	12:48:19.333	117GF105A106A4T	7STRP	0.01,-0.001,0,0,	Slew =12.01	2R3	4	0	5,399,260:60:0	
536	0	53	12:48:25.333	117GF105A106A4U	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2R3	4	0	5,399,260:69:0	
537	**0**	**53**	**12:48:48.000**	**20FG6M**	**6MCOPY**	**B1A1A,695B,NIMS,**	**B1A1A,695B,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,261:12:0**	
538	**0**	**53**	**12:48:56.666**	**20FG6N**	**6MCOPY**	**B1A1A,6964,NIMS,**	**B1A1A,6964,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,261:25:0**	
539	**0**	**53**	**12:49:49.333**	**20FG6O**	**6MCOPY**	**B1A1A,696D,NIMS,**	**B1A1A,696D,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,262:13:0**	
540	**0**	**53**	**12:49:58.000**	**20FG6P**	**6MCOPY**	**B1A1A,6976,NIMS,**	**B1A1A,6976,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,262:26:0**	
541	0	53	12:50:31.333	117GF105A106A4V	7STRP	0.01,-0.001,0,0,	Slew =12.01	2R3	4	0	5,399,262:76:0	
542	0	53	12:50:37.333	117GF105A106A4W	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2R3	4	0	5,399,262:85:0	
543	**0**	**53**	**12:50:50.666**	**20FG6Q**	**6MCOPY**	**B1A1A,697F,NIMS,**	**B1A1A,697F,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,263:14:0**	
544	**0**	**53**	**12:50:59.333**	**20FG6R**	**6MCOPY**	**B1A1A,6988,NIMS,**	**B1A1A,6988,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,263:27:0**	
545	**0**	**53**	**12:51:52.000**	**20FG6S**	**6MCOPY**	**B1A1A,6991,NIMS,**	**B1A1A,6991,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,264:15:0**	
546	**0**	**53**	**12:52:00.666**	**20FG6T**	**6MCOPY**	**B1A1A,699A,NIMS,**	**B1A1A,699A,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,264:28:0**	
547	0	53	12:52:43.333	117GF105A106A4X	7STRP	0.01,-0.001,0,0,	Slew =12.01	2R3	4	0	5,399,265:01:0	
548	0	53	12:52:49.333	117GF105A106A4Y	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2R3	4	0	5,399,265:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	0	53	12:52:53.333	20FG6U	6MCOPY	B1A1A,69A3,NIMS,	B1A1A,69A3,NIMS,150F,1517	2R3	4	0	5,399,265:16:0	
550	0	53	12:53:02.000	20FG6V	6MCOPY	B1A1A,69AC,NIMS,	B1A1A,69AC,NIMS,150F,1517	2R3	4	0	5,399,265:29:0	
551	0	53	12:53:54.666	20FG6W	6MCOPY	B1A1A,69B5,NIMS,	B1A1A,69B5,NIMS,150F,1517	2R3	4	0	5,399,266:17:0	
552	0	53	12:54:03.333	20FG6X	6MCOPY	B1A1A,69BE,NIMS,	B1A1A,69BE,NIMS,150F,1517	2R3	4	0	5,399,266:30:0	
553	0	53	12:54:55.333	117GF105A106A4Z	7STRP	0.01,-0.001,0,0,	Slew =12.01	2R3	4	0	5,399,267:17:0	
554	0	53	12:54:56.000	20FG6Y	6MCOPY	B1A1A,69C7,NIMS,	B1A1A,69C7,NIMS,150F,1517	2R3	4	0	5,399,267:18:0	
555	0	53	12:55:01.333	117GF105A106A4AA	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2R3	4	0	5,399,267:26:0	
556	0	53	12:55:04.666	20FG6Z	6MCOPY	B1A1A,69D0,NIMS,	B1A1A,69D0,NIMS,150F,151C	2R3	4	0	5,399,267:31:0	
557	0	53	12:55:48.667	27NNDETECT01-		-----STOP-------		2R3	4	0	: :	
558	0	53	12:57:07.333	117GF105A106A4AB	7STRP	0.01,-0.001,0,0,	Slew =12.01	2R3	4	0	5,399,269:33:0	
559	0	53	12:57:13.333	117GF105A106A4AC	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2R3	4	0	5,399,269:42:0	
560	0	53	12:59:19.333	117GF105A106A4AD	7STRP	0.01,-0.001,0,0,	Slew =12.01	2R3	4	0	5,399,271:49:0	
561	0	53	12:59:25.333	117GF105A106A4AE	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2R3	4	0	5,399,271:58:0	
562	0	53	13:01:31.333	117GF105A106A4AF	7STRP	0.01,-0.001,0,0,	Slew =12.01	2R3	4	0	5,399,273:65:0	
563	0	53	13:01:37.333	117GF105A106A4AG	7STRP	-0.0074,0.0,0,0,	Slew =,0.06	2R3	4	0	5,399,273:74:0	
564	0	53	13:03:34.000	175MA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,275:67:0	
565	0	53	13:03:34.000		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC * 258.61 +/-	2R3	4	0	5,399,275:67:0	
566	0	53	13:03:35.200		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 258.55 +/-	2R3	4	0	5,399,275:68:8	
567	0	53	13:03:43.333	117GF11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,399,275:81:0	
568	0	53	13:04:36.666		DMS:	: READY	RDY, TRACK *3, *FWD, TIC 258.55 +/-	2R3	4	0	5,399,276:70:0	
569	0	53	13:04:36.666	465KC6A	6DMSC	RDY,3	DMS Control Tape stop	2R3	4	0	5,399,276:70:0	
570	0	53	13:04:40.000	175TA422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	5,399,276:75:0	
571	0	53	13:04:40.000		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 258.55 +/-	2R3	4	0	5,399,276:75:0	
572	0	53	13:04:46.666		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 258.55 +/-	2R3	4	0	5,399,276:85:0	
573	0	53	13:04:48.000	175TA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,399,276:87:0	
574	0	53	13:04:48.066		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC * 258.67 +/-	2R3	4	0	5,399,276:87:1	
575	0	53	13:04:48.066		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 258.67 +/-	2R3	4	0	5,399,276:87:1	
576	0	53	13:04:50.666	431MA6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	2R3	4	0	5,399,277:00:0	
577	0	53	13:06:51.333	165GG4A	7SCAN	NORM,248.189999,	Check S/P Position	2R3	4	0	5,399,278:90:0	
578	0	53	13:07:43.333	117GG	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,399,279:77:0	
579	0	53	13:07:52.666	117GG105A106A4A	7STRP	-0.020003,0.0,0,	Slew =,0.21	2R3	4	0	5,399,280:00:0	
580	0	53	13:09:30.666	117GG105A106A4B	7STRP	0.033513,-0.0016	Slew =12.01	2R3	4	0	5,399,281:56:0	
581	0	53	13:09:38.000	117GG105A106A4C	7STRP	-0.020003,0.0,0,	Slew =,0.21	2R3	4	0	5,399,281:67:0	
582	0	53	13:11:16.000	117GG105A106A4D	7STRP	0.033513,-0.0016	Slew =12.01	2R3	4	0	5,399,283:32:0	
583	0	53	13:11:23.333	117GG105A106A4E	7STRP	-0.020003,0.0,0,	Slew =,0.21	2R3	4	0	5,399,283:43:0	
584	0	53	13:13:01.333	117GG105A106A4F	7STRP	0.033513,-0.0016	Slew =12.01	2R3	4	0	5,399,285:08:0	
585	0	53	13:13:08.666	117GG105A106A4G	7STRP	-0.020003,0.0,0,	Slew =,0.21	2R3	4	0	5,399,285:19:0	
586	0	53	13:14:46.666	117GG105A106A4H	7STRP	0.033513,-0.0016	Slew =12.01	2R3	4	0	5,399,286:75:0	
587	0	53	13:14:54.000	117GG105A106A4I	7STRP	-0.020003,0.0,0,	Slew =,0.21	2R3	4	0	5,399,286:86:0	
588	0	53	13:16:32.000	117GG105A106A4J	7STRP	0.033513,-0.0016	Slew =12.01	2R3	4	0	5,399,288:51:0	
589	0	53	13:16:39.333	117GG105A106A4K	7STRP	-0.020003,0.0,0,	Slew =,0.21	2R3	4	0	5,399,288:62:0	
590	0	53	13:18:03.333	488AI6D	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R3	4	0	5,399,290:06:0	
591	0	53	13:18:17.333	117GG105A106A4L	7STRP	0.033513,-0.0016	Slew =12.01	2R3	4	0	5,399,290:27:0	
592	0	53	13:18:24.666	117GG105A106A4M	7STRP	-0.020003,0.0,0,	Slew =,0.21	2R3	4	0	5,399,290:38:0	
593	0	53	13:20:02.666	117GG105A106A4N	7STRP	0.033513,-0.0016	Slew =12.01	2R3	4	0	5,399,292:03:0	
594	0	53	13:20:10.000	117GG105A106A4O	7STRP	-0.020003,0.0,0,	Slew =,0.21	2R3	4	0	5,399,292:14:0	
595	0	53	13:21:48.000	117GG105A106A4P	7STRP	0.033513,-0.0016	Slew =12.01	2R3	4	0	5,399,293:70:0	
596	0	53	13:21:55.333	117GG105A106A4Q	7STRP	-0.020003,0.0,0,	Slew =,0.21	2R3	4	0	5,399,293:81:0	
597	0	53	13:22:09.333	428JA6A	6RCCLR			2R3	4	0	5,399,294:11:0	
598	0	53	13:22:10.000	428JA6B	6RCSET	12		2R3	4	0	5,399,294:12:0	
599	0	53	13:23:33.333	117GG105A106B4A	7STRP	0.146025,0.0,0,0	Slew =12.01	2R3	4	0	5,399,295:46:0	
600	0	53	13:24:49.333	117GG105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.21	2R3	4	0	5,399,296:69:0	
601	0	53	13:24:54.666	117GG11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,399,296:77:0	
602	0	53	13:25:03.333	165GJ4A	7SCAN	NORM,260.566998,	Check S/P Position	2R3	4	0	5,399,296:90:0	
603	0	53	13:25:55.333	117GJ	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,399,297:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	0	53	13:26:04.666	117GJ105A106A4A	7STRP	-0.012001,0.0,0,	Slew =,0.06	2R3	4	0	5,399,298:00:0	
605	**0**	**53**	**13:28:10.000**	**27NNHRPELE01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
606	**0**	**53**	**13:28:20.666**	**20DA5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,399,300:22:0**	
607	**0**	**53**	**13:28:22.000**	**20DA5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,399,300:24:0**	
608	**0**	**53**	**13:28:24.000**	**20DA6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,399,300:27:0**	
609	**0**	**53**	**13:28:34.000**	**20DA6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,399,300:42:0**	
610	**0**	**53**	**13:28:47.333**	**20DA5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,399,300:62:0**	
611	**0**	**53**	**13:28:50.666**	**20DA5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,399,300:67:0**	
612	**0**	**53**	**13:29:22.000**	**20DA4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**5,399,301:23:0**	
613	0	53	13:29:29.333	117GJ105A106A4B	7STRP	0.11551,-0.009,0	Slew =12.01	2R0	4	0	5,399,301:34:0	
614	0	53	13:29:43.333	117GJ105A106A4C	7STRP	-0.012001,0.0,0,	Slew =,0.06	2R0	4	0	5,399,301:55:0	
615	**0**	**53**	**13:30:22.666**	**20DA4B**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**5,399,302:23:0**	
616	**0**	**53**	**13:31:12.000**	**27NNHRPELE01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
617	**0**	**53**	**13:31:23.333**	**20DA4C**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,399,303:23:0**	
618	**0**	**53**	**13:31:24.000**	**20DA4D**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,399,303:24:0**	
619	0	53	13:33:08.000	117GJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,399,304:89:0	
620	0	53	13:34:00.000	481UC4A	7VECT		Inert vect update UTC	2R3	4	0	5,399,305:76:0	
621	0	53	13:34:09.333	165DA4A	**7SCAN**	**NORM,250.539,-41**	**Check S/P Position**	2R3	4	0	5,399,305:90:0	
622	**0**	**53**	**13:34:14.000**	**27INHRPELE01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
623	0	53	13:35:01.333	117DA	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,399,306:77:0	
624	0	53	13:35:02.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 683.82 +/-	2R3	4	0	5,399,306:78:0	
625	0	53	13:35:02.000	175DA422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	5,399,306:78:0	
626	0	53	13:35:03.200		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC * 683.88 +/-	2R3	4	0	5,399,306:79:8	
627	0	53	13:35:07.200		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 685.38 +/-	2R3	4	0	5,399,306:85:8	
628	0	53	13:35:07.200		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC * 685.38 +/-	2R3	4	0	5,399,306:85:8	
629	0	53	13:35:07.333	175DA176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,399,306:86:0	
630	**0**	**53**	**13:35:08.000**	**27INHRPELE01-**	**NIMPBK**	**301DA**	**IO PELE OBSERVATION**	**2R3**	**4**	**0**	**: :**	
631	0	53	13:35:09.333	165DA4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,306:89:0	
632	0	53	13:35:10.666	117DA105A106A4A	**7STRP**	**-0.0089,0.0,0,0,**	**Slew =,0.03**	2R3	4	0	5,399,307:00:0	
633	0	53	13:37:19.333	428JB6A	6RCCLR			2R3	4	0	5,399,309:11:0	
634	0	53	13:37:20.000	428JB6B	6RCSET	8		2R3	4	0	5,399,309:12:0	
635	**0**	**53**	**13:40:10.000**	**27INHRPELE01-**	**DESELC**	**300DA**	**IO PELE OBSERVATION**	**2R3**	**4**	**0**	**: :**	
636	0	53	13:40:10.666	117DA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,399,311:86:0	
637	0	53	13:40:11.333		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC * 952.68 +/-	2R3	4	0	5,399,311:87:0	
638	0	53	13:40:11.333	175TB422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	5,399,311:87:0	
639	0	53	13:40:12.533		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC * 952.98 +/-	2R3	4	0	5,399,311:88:8	
640	0	53	13:40:13.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 953.10 +/-	2R3	4	0	5,399,311:90:9	
641	0	53	13:40:13.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 953.10 +/-	2R3	4	0	5,399,311:90:9	
642	0	53	13:40:14.000	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,399,312:00:0	
643	0	53	13:40:18.000	118IA	**SMOS**	GS		2R3	4	0	5,399,312:06:0	
644	0	53	13:40:26.666	428JC6A	6RCCLR			2R3	4	0	5,399,312:19:0	
645	0	53	13:40:27.333	428JC6B	6RCSET	14		2R3	4	0	5,399,312:20:0	
646	0	53	13:40:33.333	165IA4A	**7SCAN**	**NORM,286.863998,**	**Check S/P Position**	2R3	4	0	5,399,312:29:0	
647	0	53	13:40:52.666	175IA422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	5,399,312:58:0	
648	0	53	13:40:52.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 962.18 +/-	2R3	4	0	5,399,312:58:0	
649	0	53	13:40:53.866		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC * 962.24 +/-	2R3	4	0	5,399,312:59:8	
650	0	53	13:40:56.000	165IA4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,312:63:0	
651	0	53	13:40:58.666	175IA176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,399,312:67:0	
652	0	53	13:40:59.133		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 1028.24 +/-	2R3	4	0	5,399,312:67:7	
653	0	53	13:40:59.133		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *1028.24 +/-	2R3	4	0	5,399,312:67:7	
654	0	53	13:40:59.333	118IA110A111A4A	7STRP	0.0057,0.0,26,0,	Slew =,2.91	2R3	4	0	5,399,312:68:0	
655	0	53	13:41:18.000	428JD6A	6RCCLR			2R3	4	0	5,399,313:05:0	
656	0	53	13:41:18.666	428JD6B	6RCSET	11		2R3	4	0	5,399,313:06:0	
657	**0**	**53**	**13:41:18.667**	**27INHRPELE01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
658	0	53	13:41:25.333	118IA11A	**SMOS**	GE		2R3	4	0	5,399,313:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	0	53	13:41:27.333	165GH4A	7SCAN	NORM,248.973,-26	Check S/P Position	2R3	4	0	5,399,313:19:0	
660	0	53	13:41:32.000	175TC422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	5,399,313:26:0	
661	0	53	13:41:32.000		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *1837.07 +/-	2R3	4	0	5,399,313:26:0	
662	0	53	13:41:34.733		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *1848.57 +/- 1	2R3	4	0	5,399,313:30:1	
663	0	53	13:41:36.000	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,399,313:32:0	
664	0	53	13:41:36.133		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1848.69 +/- 1	2R3	4	0	5,399,313:32:2	
665	0	53	13:41:36.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1848.69 +/- 1	2R3	4	0	5,399,313:32:2	
666	0	53	13:42:27.333	165GH4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,314:18:0	
667	0	53	13:44:29.333	165IB4A	**7SCAN**	**NORM,306.004997,**	**Check S/P Position**	2R3	4	0	5,399,316:19:0	
668	0	53	13:45:00.000	481UD4A	7VECT	BB2	Inert vect update UTC	2R3	4	0	5,399,316:65:0	
669	0	53	13:46:22.000	118IB	**SMOS**	GS		2R3	4	0	5,399,318:06:0	
670	0	53	13:46:25.333	428JE6A	6RCCLR			2R3	4	0	5,399,318:11:0	
671	0	53	13:46:26.000	428JE6B	6RCSET	12		2R3	4	0	5,399,318:12:0	
672	0	53	13:46:58.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1924.12 +/- 1	2R3	4	0	5,399,318:60:0	
673	0	53	13:46:58.000	175IB422A6A	6DMSC	R403,3	DMS Control	2R3	4	0	5,399,318:60:0	
674	0	53	13:46:59.200		DMS:	: *RUNUP	R403, TRACK 3, FWD, TIC *1924.18 +/- 1	2R3	4	0	5,399,318:61:8	
675	0	53	13:47:00.000	165IB4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,318:63:0	
676	0	53	13:47:02.666	175IB176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,399,318:67:0	
677	0	53	13:47:03.066		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 1947.18 +/- 1	2R3	4	0	5,399,318:67:6	
678	0	53	13:47:03.066		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *1947.18 +/- 1	2R3	4	0	5,399,318:67:6	
679	0	53	13:47:03.333	118IB110A111A4A	7STRP	-0.008,-0.0015,2	Slew =,1.91	2R3	4	0	5,399,318:68:0	
680	0	53	13:47:18.000	428JF6A	6RCCLR			2R3	4	0	5,399,318:90:0	
681	0	53	13:47:18.666	428JF6B	6RCSET	11		2R3	4	0	5,399,319:00:0	
682	**0**	**53**	**13:47:22.666**	**27NNICHAAC01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
683	**0**	**53**	**13:47:26.000**	**20DD5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,399,319:11:0**	
684	0	53	13:47:29.333	118IB11A	**SMOS**	GE			4	0	5,399,319:16:0	
685	**0**	**53**	**13:47:29.333**	**20DD5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,399,319:16:0**	
686	0	53	13:47:31.333	165IC4A	**7SCAN**	**NORM,323.509998,**	**Check S/P Position**		4	0	5,399,319:19:0	
687	0	53	13:47:36.000	175TD422A6A	6DMSC	R7,3	DMS Control		4	0	5,399,319:26:0	
688	0	53	13:47:36.000		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *2352.42 +/- 1		4	0	5,399,319:26:0	
689	0	53	13:47:38.733		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2356.42 +/- 1		4	0	5,399,319:30:1	
690	**0**	**53**	**13:47:39.333**	**20DD6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,399,319:31:0**	
691	0	53	13:47:40.000	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record		4	0	5,399,319:32:0	
692	0	53	13:47:40.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2356.54 +/- 1		4	0	5,399,319:32:2	
693	0	53	13:47:40.133		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2356.54 +/- 1		4	0	5,399,319:32:2	
694	**0**	**53**	**13:47:49.333**	**20DD6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,399,319:46:0**	
695	0	53	13:47:51.333	428JG6A	6RCCLR				4	0	5,399,319:49:0	
696	0	53	13:47:52.000	428JG6B	6RCSET	12			4	0	5,399,319:50:0	
697	**0**	**53**	**13:47:59.333**	**20DD5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,399,319:61:0**	
698	**0**	**53**	**13:48:09.333**	**20DD5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,399,319:76:0**	
699	0	53	13:48:23.333	118IC	**SMOS**	GS		260	4	0	5,399,320:06:0	
700	**0**	**53**	**13:48:39.333**	**20DD4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**5,399,320:30:0**	
701	0	53	13:48:59.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2375.10 +/- 1	2R0	4	0	5,399,320:60:0	
702	0	53	13:48:59.333	175IC422A6A	6DMSC	R403,3	DMS Control	2R0	4	0	5,399,320:60:0	
703	0	53	13:49:00.533		DMS:	: *RUNUP	R403, TRACK 3, FWD, TIC *2375.16 +/- 1	2R0	4	0	5,399,320:61:8	
704	0	53	13:49:01.333	165IC4B	7VECT		Inert vect update UTC	2R0	4	0	5,399,320:63:0	
705	0	53	13:49:04.000	175IC176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R0	4	0	5,399,320:67:0	
706	0	53	13:49:04.400		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 2398.16 +/- 1	2R0	4	0	5,399,320:67:6	
707	0	53	13:49:04.400		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *2398.16 +/- 1	2R0	4	0	5,399,320:67:6	
708	0	53	13:49:04.666	118IC110A111A4A	7STRP	-0.003,-0.0073,2	Slew =,3.01	2R0	4	0	5,399,320:68:0	
709	0	53	13:49:27.333	428JH6A	6RCCLR			2R0	4	0	5,399,321:11:0	
710	0	53	13:49:28.000	428JH6B	6RCSET	11		2R0	4	0	5,399,321:12:0	
711	0	53	13:50:05.333	118IC11A	**SMOS**	GE		2R0	4	0	5,399,321:68:0	
712	0	53	13:50:07.333	165ID4A	**7SCAN**	**NORM,29.533,-28.**	**Check S/P Position**	2R0	4	0	5,399,321:71:0	
713	0	53	13:50:09.333	175TE422A6A	6DMSC	R7,3	DMS Control	2R0	4	0	5,399,321:74:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	0	53	13:50:09.333		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *3197.15 +/- 1	2R0	4	0	5,399,321:74:0	
715	0	53	13:50:12.066		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3201.15 +/- 1	2R0	4	0	5,399,321:78:1	
716	**0**	**53**	**13:50:13.333**	**20DD4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,399,321:80:0**	
717	0	53	13:50:13.333	175TE176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,399,321:80:0	
718	0	53	13:50:13.466		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3201.27 +/- 1	2R3	4	0	5,399,321:80:2	
719	0	53	13:50:13.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3201.27 +/- 1	2R3	4	0	5,399,321:80:2	
720	**0**	**53**	**13:50:14.000**	**20DD4C**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,399,321:81:0**	
721	0	53	13:50:24.666	118ID	**SMOS**	GS		2R3	4	0	5,399,322:06:0	
722	**0**	**53**	**13:50:24.666**	**27NNICHAAC01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
723	0	53	13:50:28.000	428JI6A	6RCCLR			2R3	4	0	5,399,322:11:0	
724	0	53	13:50:28.666	428JI6B	6RCSET	14		2R3	4	0	5,399,322:12:0	
725	0	53	13:50:59.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3212.02 +/- 1	2R3	4	0	5,399,322:58:0	
726	0	53	13:50:59.333	175ID422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	5,399,322:58:0	
727	0	53	13:51:00.533		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *3212.08 +/- 1	2R3	4	0	5,399,322:59:8	
728	0	53	13:51:02.666	165ID4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,322:63:0	
729	0	53	13:51:05.333	175ID176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,399,322:67:0	
730	0	53	13:51:05.800		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3278.08 +/- 1	2R3	4	0	5,399,322:67:7	
731	0	53	13:51:05.800		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 3278.08 +/- 2	2R3	4	0	5,399,322:67:7	
732	0	53	13:51:06.000	118ID110A111A4A	7STRP	-0.0008,0.006,26	Slew =8,2.8	2R3	4	0	5,399,322:68:0	
733	**0**	**53**	**13:51:25.333**	**27INICHAAC01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
734	0	53	13:51:28.666	428JJ6A	6RCCLR			2R3	4	0	5,399,323:11:0	
735	0	53	13:51:29.333	428JJ6B	6RCSET	11		2R3	4	0	5,399,323:12:0	
736	0	53	13:52:06.666	118ID11A	**SMOS**	GE		2R3	4	0	5,399,323:68:0	
737	0	53	13:52:08.666	165DD4A	**7SCAN**	**NORM,44.204,10.1**	**Check S/P Position**	2R3	4	0	5,399,323:71:0	
738	0	53	13:52:13.333		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *4940.03 +/- 2	2R3	4	0	5,399,323:78:0	
739	0	53	13:52:13.333	175TF422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	5,399,323:78:0	
740	0	53	13:52:16.066		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4951.53 +/- 2	2R3	4	0	5,399,323:82:1	
741	0	53	13:52:17.333	175TF176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,399,323:84:0	
742	0	53	13:52:17.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4951.65 +/- 2	2R3	4	0	5,399,323:84:2	
743	0	53	13:52:17.466		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4951.65 +/- 2	2R3	4	0	5,399,323:84:2	
744	0	53	13:52:34.666	428JK6A	6RCCLR			2R3	4	0	5,399,324:19:0	
745	0	53	13:52:35.333	428JK6B	6RCSET	12		2R3	4	0	5,399,324:20:0	
746	0	53	13:53:26.666	117DD	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,399,325:06:0	
747	0	53	13:53:36.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4970.05 +/- 2	2R3	4	0	5,399,325:20:0	
748	0	53	13:53:36.000	175DD422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	5,399,325:20:0	
749	0	53	13:53:37.200		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *4970.11 +/- 2	2R3	4	0	5,399,325:21:8	
750	0	53	13:53:41.200		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *4971.61 +/- 2	2R3	4	0	5,399,325:27:8	
751	0	53	13:53:41.200		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 4971.61 +/- 2	2R3	4	0	5,399,325:27:8	
752	0	53	13:53:41.333	175DD176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,399,325:28:0	
753	**0**	**53**	**13:53:47.333**	**27INICHAAC01-**	**NIMPBK**	**301DD**	**IO CHAAC OBSERVATION**	**2R3**	**4**	**0**	**: :**	
754	0	53	13:53:48.666	165DD4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,325:39:0	
755	0	53	13:53:50.000	117DD105A106A4A	**7STRP**	**0.0034,0.0,0,0,0**	**Slew =,0.03**	2R3	4	0	5,399,325:41:0	
756	0	53	13:54:30.666	428JL6A	6RCCLR			2R3	4	0	5,399,326:11:0	
757	0	53	13:54:31.333	428JL6B	6RCSET	8		2R3	4	0	5,399,326:12:0	
758	**0**	**53**	**13:55:28.000**	**27NNMOSAIC01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
759	**0**	**53**	**13:55:28.000**	**27INICHAAC01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
760	**0**	**53**	**13:55:44.000**	**27INICHAACS01**	**DESELC**	**300DD**	**IO CHAAC OBSERVATION**	**2R3**	**4**	**0**	**: :**	
761	0	53	13:55:44.666	175TG422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	5,399,327:31:0	
762	0	53	13:55:44.666		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *5080.13 +/- 2	2R3	4	0	5,399,327:31:0	
763	**0**	**53**	**13:55:44.666**	**20DE5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,399,327:31:0**	
764	0	53	13:55:45.866		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5080.43 +/- 2		4	0	5,399,327:32:8	
765	0	53	13:55:47.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5080.55 +/- 2		4	0	5,399,327:34:9	
766	0	53	13:55:47.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5080.55 +/- 2		4	0	5,399,327:34:9	
767	0	53	13:55:47.333	175TG176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record		4	0	5,399,327:35:0	
768	**0**	**53**	**13:55:48.000**	**20DE5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,399,327:36:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	0	53	13:55:48.000	117DD11A	CSMOS	GE	***** GROUP END CSMOS		4	0	5,399,327:36:0	
770	0	53	13:55:51.333	20DE6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,399,327:41:0	
771	0	53	13:56:01.333	20DE6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,399,327:56:0	
772	0	53	13:56:11.333	20DE5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,399,327:71:0	
773	0	53	13:56:14.666	20DE5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,399,327:76:0	
774	0	53	13:56:18.000	20DE4A	37IST	1,2,0,OFF,0,1,0	Chopper ON, Sync, Chopper (Ref)Gain State	2R0	4	0	5,399,327:81:0	
775	0	53	13:56:24.000	165DE4A	7SCAN	NORM,51.02,16.62	Check S/P Position	2R0	4	0	5,399,327:90:0	
776	0	53	13:56:32.000	428JM6A	6RCCLR			2R0	4	0	5,399,328:11:0	
777	0	53	13:56:32.666	428JM6B	6RCSET	12		2R0	4	0	5,399,328:12:0	
778	0	53	13:57:16.000	117DE	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	5,399,328:77:0	
779	0	53	13:57:16.666		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *5101.50 +/- 2	2R0	4	0	5,399,328:78:0	
780	0	53	13:57:16.666	175DE422A6A	6DMSC	R28,3	DMS Control	2R0	4	0	5,399,328:78:0	
781	0	53	13:57:17.866		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *5101.56 +/- 2	2R0	4	0	5,399,328:79:8	
782	0	53	13:57:18.000	20DE4B	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,399,328:80:0	
783	0	53	13:57:18.666	20DE4C	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,399,328:81:0	
784	0	53	13:57:21.866		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 5103.06 +/- 2	2R3	4	0	5,399,328:85:8	
785	0	53	13:57:21.866		DMS:	: *RECORD	R28, TRACK 3, FWD, TIC *5103.06 +/- 2	2R3	4	0	5,399,328:85:8	
786	0	53	13:57:22.000	175DE176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,399,328:86:0	
787	0	53	13:57:22.666	27INMOSAIC01-	NIMPBK	301DE	IO MOSAIC OBSERVATION	2R3	4	0	: :	
788	0	53	13:57:24.000	165DE4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,328:89:0	
789	0	53	13:57:25.333	117DE105A106A4A	7STRP	-0.015101,0.0,0,	Slew =,0.03	2R3	4	0	5,399,329:00:0	
790	0	53	13:57:29.333	27NNMOSAIC01-		-----STOP-------		2R3	4	0	: :	
791	0	53	13:57:29.333	27INMOSAIC01-		-----START------		2R3	4	0	: :	
792	0	53	14:01:04.000	20RP6B	6RTSL1		R/T Select of DDS and	2R3	4	0	5,399,332:55:0	
793	0	53	14:05:41.000	27INMOSAIC01-	DESELC	300DE	IO MOSAIC OBSERVATION	2R3	4	0	: :	
794	0	53	14:05:47.333	27INMOSAIC01-	NIMPBK	301EE	IO MOSAIC OBSERVATION	2R3	4	0	: :	
795	0	53	14:05:52.000	117DE105A106A4B	7STRP	0.017502,0.00700	Slew =,10.0	2R3	4	0	5,399,337:32:0	
796	0	53	14:06:04.000	117DE105A106A4C	7STRP	-0.015101,0.0,0,	Slew =,0.03	2R3	4	0	5,399,337:50:0	
797	0	53	14:06:38.666	428JN6A	6RCCLR			2R3	4	0	5,399,338:11:0	
798	0	53	14:06:39.333	428JN6B	6RCSET	8		2R3	4	0	5,399,338:12:0	
799	0	53	14:11:23.333	27INMOSAIC01-	DESELC	300EE	IO MOSAIC OBSERVATION	2R3	4	0	: :	
800	0	53	14:11:24.666		DMS:	: *RUNDOWN	R28, TRACK 3, FWD, TIC *5843.81 +/- 2	2R3	4	0	5,399,342:76:0	
801	0	53	14:11:24.666	175TH422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	5,399,342:76:0	
802	0	53	14:11:25.866		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5844.11 +/- 2	2R3	4	0	5,399,342:77:8	
803	0	53	14:11:27.266		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *5844.23 +/- 2	2R3	4	0	5,399,342:79:9	
804	0	53	14:11:27.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5844.23 +/- 2	2R3	4	0	5,399,342:79:9	
805	0	53	14:11:27.333	175TH176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,399,342:80:0	
806	0	53	14:11:42.666	488AI6E	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R3	4	0	5,399,343:12:0	
807	0	53	14:12:39.333	27INMOSAIC01-		-----STOP-------		2R3	4	0	: :	
808	0	53	14:13:40.000	27NNPROMTH01-		-----START------		2R3	4	0	: :	
809	0	53	14:13:56.666	20DF5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,399,345:31:0	
810	0	53	14:14:00.000	20DF5B	37MRL		Memory Realocate (software operates from R		4	0	5,399,345:36:0	
811	0	53	14:14:03.333	20DF6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,399,345:41:0	
812	0	53	14:14:13.333	20DF6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,399,345:56:0	
813	0	53	14:14:23.333	20DF5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,399,345:71:0	
814	0	53	14:14:26.666	20DF5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,399,345:76:0	
815	0	53	14:14:30.000	20DF4A	37IST	1,2,0,OFF,0,1,0	Chopper ON, Sync, Chopper (Ref)Gain State	2R0	4	0	5,399,345:81:0	
816	0	53	14:14:30.666	117DE11A	CSMOS	GE	***** GROUP END CSMOS	2R0	4	0	5,399,345:82:0	
817	0	53	14:14:44.666	428JO6A	6RCCLR			2R0	4	0	5,399,346:12:0	
818	0	53	14:15:30.000	20DF4B	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,399,346:80:0	
819	0	53	14:15:30.666	20DF4C	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,399,346:81:0	
820	0	53	14:15:35.333	432MA431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,399,346:88:0	
821	0	53	14:15:36.000	432MA6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,399,346:89:0	
822	0	53	14:15:39.333	175TH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,347:03:0	
823	0	53	14:15:39.333		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *5903.30 +/- 2	2R3	4	0	5,399,347:03:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	0	53	14:15:40.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5903.36 +/- 2	2R3	4	0	5,399,347:04:8	
825	0	53	14:15:44.000		DMS:	: READY	RDY, TRACK *4, *REV, TIC 5903.36 +/- 2	2R3	4	0	5,399,347:10:0	
826	0	53	14:15:44.000	465KD6A	6DMSC	RDY,4	DMS Control Tape stop	2R3	4	0	5,399,347:10:0	
827	0	53	14:16:37.333	165DF4A	**7SCAN**	**NORM,60.113,19.2**	**Check S/P Position**	2R3	4	0	5,399,347:90:0	
828	**0**	**53**	**14:16:42.000**	**27NNPROMTH01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
829	**0**	**53**	**14:16:42.000**	**27INPROMTH01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
830	0	53	14:16:45.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5903.36 +/- 2	2R3	4	0	5,399,348:11:0	
831	0	53	14:16:45.333	175DF422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,399,348:11:0	
832	0	53	14:16:46.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5903.48 +/- 2	2R3	4	0	5,399,348:13:1	
833	0	53	14:16:52.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5904.72 +/- 2	2R3	4	0	5,399,348:21:0	
834	0	53	14:16:53.200		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *5904.78 +/- 2	2R3	4	0	5,399,348:22:8	
835	0	53	14:16:56.666	175DF176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,399,348:28:0	
836	0	53	14:16:57.200		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 5903.28 +/- 2	2R3	4	0	5,399,348:28:8	
837	0	53	14:16:57.200		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *5903.28 +/- 2	2R3	4	0	5,399,348:28:8	
838	0	53	14:17:29.333	117DF	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,399,348:77:0	
839	**0**	**53**	**14:17:29.666**	**27INPROMTH01-**	**NIMPBK**	**301DF**	**IO PROMETHEUS OBSERVATION**	**2R3**	**4**	**0**	**: :**	
840	0	53	14:17:37.333	165DF4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,348:89:0	
841	0	53	14:17:38.666	117DF105A106A4A	**7STRP**	**0.016101,0.0,0,0**	**Slew =,0.03**	2R3	4	0	5,399,349:00:0	
842	0	53	14:17:38.666	431MB6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	2R3	4	0	5,399,349:00:0	
843	**0**	**53**	**14:21:48.666**	**27INPROMTH01-**	**NIMPBK**	**301EF**	**IO PROMETHEUS OBSERVATION**	**2R3**	**4**	**0**	**: :**	
844	**0**	**53**	**14:21:57.333**	**27INPROMTH01-**	**DESELC**	**300DF**	**IO PROMETHEUS OBSERVATION**	**2R3**	**4**	**0**	**: :**	
845	0	53	14:25:42.000	432MB431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,399,356:88:0	
846	0	53	14:25:42.666	432MB6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,399,356:89:0	
847	0	53	14:25:46.000	432OA431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,399,357:03:0	
848	0	53	14:25:46.666	432OA6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,399,357:04:0	
849	**0**	**53**	**14:26:28.000**	**27INPROMTH01-**	**DESELC**	**300EF**	**IO PROMETHEUS OBSERVATION**	**2R3**	**4**	**0**	**: :**	
850	0	53	14:26:30.666		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *5399.25 +/- 2	2R3	4	0	5,399,357:70:0	
851	0	53	14:26:30.666	175DF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,357:70:0	
852	0	53	14:26:31.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5398.95 +/- 2	2R3	4	0	5,399,357:71:8	
853	0	53	14:26:41.333	117DF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,399,357:86:0	
854	0	53	14:26:45.333	282NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	5,399,358:01:0	
855	**0**	**53**	**14:26:48.666**	**27INPROMTH01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
856	0	53	14:26:51.333	165IE4A	**7SCAN**	**NORM,61.035,17.8**	**Check S/P Position**	2R3	4	0	5,399,358:10:0	
857	0	53	14:27:34.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5398.95 +/- 2	2R3	4	0	5,399,358:74:0	
858	0	53	14:27:34.000	282NB432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	5,399,358:74:0	
859	0	53	14:27:34.000	175IE422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	5,399,358:74:0	
860	0	53	14:27:34.666	282NB432A6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,399,358:75:0	
861	0	53	14:27:35.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5399.07 +/- 2	2R3	4	0	5,399,358:76:1	
862	0	53	14:27:37.333	118IE	**SMOS**	GS		2R3	4	0	5,399,358:79:0	
863	0	53	14:27:40.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5400.31 +/- 2	2R3	4	0	5,399,358:84:0	
864	0	53	14:27:41.866		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *5400.37 +/- 2	2R3	4	0	5,399,358:85:8	
865	0	53	14:27:44.000	165IE4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,358:89:0	
866	0	53	14:27:46.666	175IE176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,399,359:02:0	
867	0	53	14:27:47.133		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 5334.37 +/- 2	2R3	4	0	5,399,359:02:7	
868	0	53	14:27:47.133		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *5334.37 +/- 2	2R3	4	0	5,399,359:02:7	
869	0	53	14:27:47.333	118IE110A111A4A	7STRP	0.0073,0.0,26,0,	Slew =,3.71	2R3	4	0	5,399,359:03:0	
870	0	53	14:27:56.000	118IE110A111A4B	7STRP	-0.0073,0.0073,0	Slew =,4.91	2R3	4	0	5,399,359:16:0	
871	0	53	14:28:04.666	118IE110A111A4C	7STRP	0.0073,0.0,26,0,	Slew =,3.71	2R3	4	0	5,399,359:29:0	
872	0	53	14:28:13.333	118IE11A	**SMOS**	GE		2R3	4	0	5,399,359:42:0	
873	0	53	14:28:18.666	165IF4A	**7SCAN**	**NORM,60.465,20.5**	**Check S/P Position**	2R3	4	0	5,399,359:50:0	
874	0	53	14:28:20.000	175IE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,359:52:0	
875	0	53	14:28:20.000		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *4525.54 +/- 2	2R3	4	0	5,399,359:52:0	
876	0	53	14:28:22.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4514.04 +/- 2	2R3	4	0	5,399,359:56:1	
877	**0**	**53**	**14:28:50.000**	**27NNCAMAXT01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
878	**0**	**53**	**14:29:06.666**	**20DG5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,399,360:31:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	0	53	14:29:10.000	20DG5B	37MRL		Memory Realocate (software operates from R		4	0	5,399,360:36:0	
880	0	53	14:29:13.333	20DG6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,399,360:41:0	
881	0	53	14:29:23.333	20DG6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,399,360:56:0	
882	0	53	14:29:33.333	20DG5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,399,360:71:0	
883	0	53	14:29:35.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4514.04 +/- 2	260	4	0	5,399,360:74:0	
884	0	53	14:29:35.333	175IF422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	260	4	0	5,399,360:74:0	
885	0	53	14:29:36.666	20DG5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,399,360:76:0	
886	0	53	14:29:36.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4514.16 +/- 2	260	4	0	5,399,360:76:1	
887	0	53	14:29:38.666	118IF	SMOS	GS		260	4	0	5,399,360:79:0	
888	0	53	14:29:40.000	20DG4A	37IST	1,2,0,OFF,0,1,0	Chopper ON, Sync, Chopper (Ref)Gain State	2R0	4	0	5,399,360:81:0	
889	0	53	14:29:42.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4515.39 +/- 2	2R0	4	0	5,399,360:84:0	
890	0	53	14:29:43.200		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *4515.45 +/- 2	2R0	4	0	5,399,360:85:8	
891	0	53	14:29:45.333	165IF4B	7VECT		Inert vect update UTC	2R0	4	0	5,399,360:89:0	
892	0	53	14:29:48.000	175IF176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R0	4	0	5,399,361:02:0	
893	0	53	14:29:48.466		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 4449.45 +/- 3	2R0	4	0	5,399,361:02:7	
894	0	53	14:29:48.466		DMS:	: *RECORD	R806, TRACK 4, REV, TIC *4449.45 +/- 2	2R0	4	0	5,399,361:02:7	
895	0	53	14:29:48.666	118IF110A111A4A	7STRP	0.0073,0.0,26,0,	Slew =,3.71	2R0	4	0	5,399,361:03:0	
896	0	53	14:29:57.333	118IF110A111A4B	7STRP	-0.0073,0.0,0,0,	Slew =,3.71	2R0	4	0	5,399,361:16:0	
897	0	53	14:30:06.000	118IF110A111A4C	7STRP	0.0073,0.0,26,0,	Slew =,3.71	2R0	4	0	5,399,361:29:0	
898	0	53	14:30:14.666	118IF110A111A4D	7STRP	-0.0073,0.0,0,0,	Slew =,3.71	2R0	4	0	5,399,361:42:0	
899	0	53	14:30:23.333	118IF110A111A4E	7STRP	0.0073,0.0,26,0,	Slew =,3.71	2R0	4	0	5,399,361:55:0	
900	0	53	14:30:32.000	118IF11A	SMOS	GE		2R0	4	0	5,399,361:68:0	
901	0	53	14:30:38.666	175IF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	5,399,361:78:0	
902	0	53	14:30:38.666		DMS:	: *RUNDOWN	R806, TRACK 4, REV, TIC *3214.06 +/- 3	2R0	4	0	5,399,361:78:0	
903	0	53	14:30:40.000	20DG4B	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,399,361:80:0	
904	0	53	14:30:40.666	20DG4C	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,399,361:81:0	
905	0	53	14:30:41.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3202.56 +/- 3	2R3	4	0	5,399,361:82:1	
906	0	53	14:31:04.000	20RZ6B	6RTSL1		R/T Select of DDS and	2R3	4	0	5,399,362:25:0	
907	0	53	14:31:06.000	165IG4A	7SCAN	NORM,60.219,22.4	Check S/P Position	2R3	4	0	5,399,362:28:0	
908	0	53	14:31:52.000	27NNCAMAXT01-		-----STOP-------		2R3	4	0	: :	
909	0	53	14:32:38.666	175IG422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	5,399,363:76:0	
910	0	53	14:32:38.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3202.56 +/- 3	2R3	4	0	5,399,363:76:0	
911	0	53	14:32:40.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3202.68 +/- 3	2R3	4	0	5,399,363:78:1	
912	0	53	14:32:40.666	118IG	SMOS	GS		2R3	4	0	5,399,363:79:0	
913	0	53	14:32:45.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3203.92 +/- 3	2R3	4	0	5,399,363:86:0	
914	0	53	14:32:46.533		DMS:	: *RUNUP	R403, TRACK *4, *REV, TIC *3203.98 +/- 3	2R3	4	0	5,399,363:87:8	
915	0	53	14:32:47.333	165IG4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,363:89:0	
916	0	53	14:32:50.000	175IG176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,399,364:02:0	
917	0	53	14:32:50.400		DMS:	: *AT_SPD	R403, TRACK 4, REV, TIC 3180.98 +/- 3	2R3	4	0	5,399,364:02:6	
918	0	53	14:32:50.400		DMS:	: *RECORD	R403, TRACK 4, REV, TIC *3180.98 +/- 3	2R3	4	0	5,399,364:02:6	
919	0	53	14:32:50.666	118IG110A111A4A	7STRP	0.0,0.0073,26,0,	Slew =,3.01	2R3	4	0	5,399,364:03:0	
920	0	53	14:32:50.666	27INCAMAXT01-	NIMPBK	301EG	IO CAMAXTLI OBSERVATION	2R3	4	0	: :	
921	0	53	14:32:59.333	118IG110A111A4B	7STRP	0.0073,-0.0073,0	Slew =,3.01	2R3	4	0	5,399,364:16:0	
922	0	53	14:33:08.000	118IG110A111A4C	7STRP	0.0,0.0073,26,0,	Slew =,3.01	2R3	4	0	5,399,364:29:0	
923	0	53	14:33:16.666	118IG110A111A4D	7STRP	0.0073,-0.0073,0	Slew =,3.01	2R3	4	0	5,399,364:42:0	
924	0	53	14:33:25.333	118IG110A111A4E	7STRP	0.0,0.0073,26,0,	Slew =,3.01	2R3	4	0	5,399,364:55:0	
925	0	53	14:33:34.000	118IG110A111A4F	7STRP	0.0073,-0.0073,0	Slew =,3.01	2R3	4	0	5,399,364:68:0	
926	0	53	14:33:42.666	118IG110A111A4G	7STRP	0.0,0.0073,26,0,	Slew =,3.01	2R3	4	0	5,399,364:81:0	
927	0	53	14:33:51.333	118IG110A111A4H	7STRP	0.0073,-0.0073,0	Slew =,3.01	2R3	4	0	5,399,365:03:0	
928	0	53	14:34:00.000	118IG110A111A4I	7STRP	0.0,0.0073,26,0,	Slew =,3.01	2R3	4	0	5,399,365:16:0	
929	0	53	14:34:08.666	118IG110A111A4J	7STRP	0.0073,-0.0073,0	Slew =,3.01	2R3	4	0	5,399,365:29:0	
930	0	53	14:34:17.333	118IG110A111A4K	7STRP	0.0,0.0073,26,0,	Slew =,3.01	2R3	4	0	5,399,365:42:0	
931	0	53	14:34:26.000	118IG11A	SMOS	GE		2R3	4	0	5,399,365:55:0	
932	0	53	14:34:30.000	27INCAMAXT01-	DESELC	300EG	IO CAMAXTLI OBSERVATION	2R3	4	0	: :	
933	0	53	14:34:32.666		DMS:	: *RUNDOWN	R403, TRACK 4, REV, TIC *1922.62 +/- 3	2R3	4	0	5,399,365:65:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	0	53	14:34:32.666	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,365:65:0	
935	0	53	14:34:32.666	116IG4A	7STRP	-0.0065,-0.006,0	Slew =,4.01	2R3	4	0	5,399,365:65:0	
936	0	53	14:34:35.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1918.62 +/- 3	2R3	4	0	5,399,365:69:1	
937	0	53	14:35:36.000	175DG422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,399,366:69:0	
938	0	53	14:35:36.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1918.62 +/- 3	2R3	4	0	5,399,366:69:0	
939	0	53	14:35:37.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1918.74 +/- 3	2R3	4	0	5,399,366:71:1	
940	0	53	14:35:42.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1919.97 +/- 3	2R3	4	0	5,399,366:79:0	
941	0	53	14:35:43.866		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *1920.03 +/- 3	2R3	4	0	5,399,366:80:8	
942	0	53	14:35:46.666	116JG4A	7STRP	0.0036,0.0,0,0,0	Slew =,0.03	2R3	4	0	5,399,366:85:0	
943	0	53	14:35:47.333	175DG176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,399,366:86:0	
944	0	53	14:35:47.866		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 1918.53 +/- 3	2R3	4	0	5,399,366:86:8	
945	0	53	14:35:47.866		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *1918.53 +/- 3	2R3	4	0	5,399,366:86:8	
946	**0**	**53**	**14:35:49.333**	**27INCAMAXT01-**	**NIMPBK**	**301DG**	**IO CAMAXTLI OBSERVATION**	**2R3**	**4**	**0**	**: :**	
947	**0**	**53**	**14:36:55.333**	**27INCAMAXT01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
948	**0**	**53**	**14:37:45.333**	**27INCAMAXT01-**	**DESELC**	**300DG**	**IO CAMAXTLI OBSERVATION**	**2R3**	**4**	**0**	**: :**	
949	0	53	14:37:48.000	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,368:85:0	
950	0	53	14:37:48.000		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *1812.95 +/- 3	2R3	4	0	5,399,368:85:0	
951	0	53	14:37:49.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1812.65 +/- 3	2R3	4	0	5,399,368:86:8	
952	**0**	**53**	**14:38:56.666**	**27INCAMAXT01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
953	0	53	14:38:59.333	165IH4A	**7SCAN**	**NORM,56.611,22.8**	**Check S/P Position**	2R3	4	0	5,399,370:10:0	
954	0	53	14:39:43.333	175IH422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	5,399,370:76:0	
955	0	53	14:39:43.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1812.65 +/- 3	2R3	4	0	5,399,370:76:0	
956	0	53	14:39:44.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1812.77 +/- 3	2R3	4	0	5,399,370:78:1	
957	0	53	14:39:45.333	118IH	**SMOS**	GS		2R3	4	0	5,399,370:79:0	
958	0	53	14:39:50.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1814.00 +/- 3	2R3	4	0	5,399,370:86:0	
959	0	53	14:39:51.200		DMS:	: *RUNUP	R403, TRACK *4, *REV, TIC *1814.06 +/- 3	2R3	4	0	5,399,370:87:8	
960	0	53	14:39:52.000	165IH4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,370:89:0	
961	0	53	14:39:54.666	175IH176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,399,371:02:0	
962	0	53	14:39:55.066		DMS:	: *AT_SPD	R403, TRACK 4, REV, TIC 1791.06 +/- 4	2R3	4	0	5,399,371:02:6	
963	0	53	14:39:55.066		DMS:	**: *RECORD**	R403, TRACK 4, REV, TIC *1791.06 +/- 3	2R3	4	0	5,399,371:02:6	
964	0	53	14:39:55.333	118IH110A111A4A	7STRP	0.0,0.007301,26,	Slew =3,5.0	2R3	4	0	5,399,371:03:0	
965	**0**	**53**	**14:39:57.333**	**27NNAMRANI01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
966	**0**	**53**	**14:40:00.666**	**20DH5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,399,371:11:0**	
967	**0**	**53**	**14:40:10.666**	**20DH5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,399,371:26:0**	
968	0	53	14:40:12.666	118IH11A	**SMOS**	GE			4	0	5,399,371:29:0	
969	0	53	14:40:13.333	116IH4A	7STRP	0.0,-0.007301,0,	Slew =0,5.0		4	0	5,399,371:30:0	
970	**0**	**53**	**14:40:20.666**	**20DH6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,399,371:41:0**	
971	**0**	**53**	**14:40:30.666**	**20DH6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,399,371:56:0**	
972	0	53	14:40:36.666		DMS:	**: *RUNDOWN**	R403, TRACK 4, REV, TIC *1279.19 +/- 4		4	0	5,399,371:65:0	
973	0	53	14:40:36.666	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop		4	0	5,399,371:65:0	
974	0	53	14:40:39.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1275.19 +/- 4		4	0	5,399,371:69:1	
975	**0**	**53**	**14:40:40.666**	**20DH5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,399,371:71:0**	
976	**0**	**53**	**14:40:44.000**	**20DH5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,399,371:76:0**	
977	**0**	**53**	**14:40:47.333**	**20DH4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**5,399,371:81:0**	
978	0	53	14:41:13.333	165DH4A	**7SCAN**	**NORM,57.182,23.0**	**Check S/P Position**	2R0	4	0	5,399,372:29:0	
979	0	53	14:41:40.000	175DH422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R0	4	0	5,399,372:69:0	
980	0	53	14:41:40.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1275.19 +/- 4	2R0	4	0	5,399,372:69:0	
981	0	53	14:41:41.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1275.31 +/- 4	2R0	4	0	5,399,372:71:1	
982	0	53	14:41:45.333	117DH	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	5,399,372:77:0	
983	0	53	14:41:46.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1276.54 +/- 4	2R0	4	0	5,399,372:79:0	
984	0	53	14:41:47.866		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *1276.60 +/- 4	2R0	4	0	5,399,372:80:8	
985	**0**	**53**	**14:41:48.000**	**20DH4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,399,372:81:0**	
986	**0**	**53**	**14:41:48.666**	**20DH4C**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,399,372:82:0**	
987	0	53	14:41:51.333	175DH176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,399,372:86:0	
988	0	53	14:41:51.866		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *1275.10 +/- 4	2R3	4	0	5,399,372:86:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	0	53	14:41:51.866		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 1275.10 +/- 4	2R3	4	0	5,399,372:86:8	
990	**0**	**53**	**14:41:53.333**	**27INAMRANI01-**	**NIMPBK**	**301DH**	**IO AMIRANI OBSERVATION**	**2R3**	**4**	**0**	**: :**	
991	0	53	14:41:54.666	117DH105A106A4A	**7STRP**	**0.0112,0.0,0,0,0**	**Slew =,0.03**	2R3	4	0	5,399,373:00:0	
992	0	53	14:42:00.000	165DH4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,373:08:0	
993	**0**	**53**	**14:42:59.333**	**27INAMRANI01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
994	**0**	**53**	**14:42:59.333**	**27NNAMRANI01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
995	**0**	**53**	**14:48:08.333**	**27INAMRANI01-**	**DESELC**	**300DH**	**IO AMIRANI OBSERVATION**	**2R3**	**4**	**0**	**: :**	
996	0	53	14:48:10.000	117DH105A106A4B	**7STRP**	**-0.0114,0.007,0,**	**Slew =12.01**	2R3	4	0	5,399,379:17:0	
997	**0**	**53**	**14:48:15.666**	**27INAMRANI01-**	**NIMPBK**	**301EH**	**IO AMIRANI OBSERVATION**	**2R3**	**4**	**0**	**: :**	
998	0	53	14:48:21.333	117DH105A106A4C	**7STRP**	**0.0112,0.0,0,0,0**	**Slew =,0.03**	2R3	4	0	5,399,379:34:0	
999	0	53	14:54:36.666	117DH105A106A4D	**7STRP**	**-0.0114,0.007,0,**	**Slew =12.01**	2R3	4	0	5,399,385:51:0	
1000	0	53	14:54:48.000	117DH105A106A4E	**7STRP**	**0.0112,0.0,0,0,0**	**Slew =,0.03**	2R3	4	0	5,399,385:68:0	
1001	**0**	**53**	**15:00:29.333**	**27INAMRANI01-**	**DESELC**	**300EH**	**IO AMIRANI OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1002	0	53	15:00:32.000	175DH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,391:38:0	
1003	0	53	15:00:32.000		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC * 290.61 +/- 4	2R3	4	0	5,399,391:38:0	
1004	0	53	15:00:33.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 290.31 +/- 4	2R3	4	0	5,399,391:39:8	
1005	0	53	15:01:03.333	117DH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,399,391:85:0	
1006	**0**	**53**	**15:01:11.333**	**27INAMRANI01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1007	0	53	15:01:14.000	165II4A	**7SCAN**	**NORM,58.268,24.3**	**Check S/P Position**	2R3	4	0	5,399,392:10:0	
1008	0	53	15:01:44.666	465KE6A	6DMSC	RDY,1	DMS Control Tape stop	2R3	4	0	5,399,392:56:0	
1009	0	53	15:01:44.666		DMS:	: READY	RDY, TRACK *1, *FWD, TIC 290.31 +/- 4	2R3	4	0	5,399,392:56:0	
1010	0	53	15:02:41.333	175II422A6A	6DMSC	R806,1	DMS Control	2R3	4	0	5,399,393:50:0	
1011	0	53	15:02:41.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 290.31 +/- 4	2R3	4	0	5,399,393:50:0	
1012	0	53	15:02:48.000		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 290.31 +/- 4	2R3	4	0	5,399,393:60:0	
1013	0	53	15:02:50.000	165II4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,393:63:0	
1014	0	53	15:02:52.666	175II176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,399,393:67:0	
1015	0	53	15:02:53.266		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC * 356.31 +/- 4	2R3	4	0	5,399,393:67:9	
1016	0	53	15:02:53.266		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 356.31 +/- 4	2R3	4	0	5,399,393:67:9	
1017	0	53	15:03:34.666	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,394:39:0	
1018	0	53	15:03:34.666		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *1375.14 +/- 4	2R3	4	0	5,399,394:39:0	
1019	0	53	15:03:37.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1386.64 +/- 4	2R3	4	0	5,399,394:43:1	
1020	0	53	15:07:18.000	165IJ4A	**7SCAN**	**NORM,57.372,23.8**	**Check S/P Position**	2R3	4	0	5,399,398:10:0	
1021	0	53	15:08:03.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1386.64 +/- 4	2R3	4	0	5,399,398:78:0	
1022	0	53	15:08:03.333	175IJ422A6A	6DMSC	R403,1	DMS Control	2R3	4	0	5,399,398:78:0	
1023	0	53	15:08:04.000	118IJ	**SMOS**	GS		2R3	4	0	5,399,398:79:0	
1024	0	53	15:08:10.000		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC 1386.64 +/- 4	2R3	4	0	5,399,398:88:0	
1025	0	53	15:08:10.666	165IJ4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,398:89:0	
1026	0	53	15:08:13.333	175IJ176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,399,399:02:0	
1027	0	53	15:08:13.866		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 1409.64 +/- 5	2R3	4	0	5,399,399:02:8	
1028	0	53	15:08:13.866		DMS:	**: *RECORD**	R403, TRACK 1, FWD, TIC *1409.64 +/- 4	2R3	4	0	5,399,399:02:8	
1029	0	53	15:08:14.000	118IJ110A111A4A	**7STRP**	**0.0055,0.0045,26**	**Slew =6,4.4**	2R3	4	0	5,399,399:03:0	
1030	0	53	15:08:57.333	118IJ11A	**SMOS**	GE		2R3	4	0	5,399,399:68:0	
1031	0	53	15:09:04.000		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *2026.51 +/- 5	2R3	4	0	5,399,399:78:0	
1032	0	53	15:09:04.000	175IJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,399:78:0	
1033	0	53	15:09:06.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2030.51 +/- 5	2R3	4	0	5,399,399:82:1	
1034	0	53	15:09:12.000	165IK4A	**7SCAN**	**NORM,56.485,21.6**	**Check S/P Position**	2R3	4	0	5,399,399:90:0	
1035	0	53	15:10:03.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2030.51 +/- 5	2R3	4	0	5,399,400:76:0	
1036	0	53	15:10:03.333	175IK422A6A	6DMSC	R806,1	DMS Control	2R3	4	0	5,399,400:76:0	
1037	0	53	15:10:05.333	118IK	**SMOS**	GS		2R3	4	0	5,399,400:79:0	
1038	0	53	15:10:10.000		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 2030.51 +/- 5	2R3	4	0	5,399,400:86:0	
1039	0	53	15:10:12.000	165IK4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,400:89:0	
1040	0	53	15:10:14.666	175IK176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,399,401:02:0	
1041	0	53	15:10:15.266		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 2096.51 +/- 5	2R3	4	0	5,399,401:02:9	
1042	0	53	15:10:15.266		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *2096.51 +/- 5	2R3	4	0	5,399,401:02:9	
1043	0	53	15:10:15.333	118IK110A111A4A	**7STRP**	**0.0,0.007301,26,**	**Slew =,3.21**	2R3	4	0	5,399,401:03:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	0	53	15:10:41.333	118IK11A	SMOS	GE		2R3	4	0	5,399,401:42:0	
1045	0	53	15:10:48.000		DMS:	: *RUNDOWN	R806, TRACK 1, FWD, TIC *2902.06 +/- 5	2R3	4	0	5,399,401:52:0	
1046	0	53	15:10:48.000	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,401:52:0	
1047	0	53	15:10:50.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2913.56 +/- 5	2R3	4	0	5,399,401:56:1	
1048	0	53	15:10:53.333	165IL4A	7SCAN	NORM,59.607,19.3	Check S/P Position	2R3	4	0	5,399,401:60:0	
1049	0	53	15:12:06.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2913.56 +/- 5	2R3	4	0	5,399,402:78:0	
1050	0	53	15:12:06.000	175IL422A6A	6DMSC	R403,1	DMS Control	2R3	4	0	5,399,402:78:0	
1051	0	53	15:12:06.666	118IL	SMOS	GS		2R3	4	0	5,399,402:79:0	
1052	0	53	15:12:12.666		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC 2913.56 +/- 5	2R3	4	0	5,399,402:88:0	
1053	0	53	15:12:13.333	165IL4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,402:89:0	
1054	0	53	15:12:16.000	175IL176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,399,403:02:0	
1055	0	53	15:12:16.533		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 2936.56 +/- 5	2R3	4	0	5,399,403:02:8	
1056	0	53	15:12:16.533		DMS:	: *RECORD	R403, TRACK 1, FWD, TIC *2936.56 +/- 5	2R3	4	0	5,399,403:02:8	
1057	0	53	15:12:16.666	118IL110A111A4A	7STRP	-0.0073,-0.0003,	Slew =,3.71	2R3	4	0	5,399,403:03:0	
1058	**0**	**53**	**15:12:18.666**	**27NNTVASHT01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1059	**0**	**53**	**15:12:22.000**	**20EJ5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,399,403:11:0**	
1060	**0**	**53**	**15:12:32.000**	**20EJ5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,399,403:26:0**	
1061	**0**	**53**	**15:12:42.000**	**20EJ6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,399,403:41:0**	
1062	0	53	15:12:42.666	118IL11A	SMOS	GE			4	0	5,399,403:42:0	
1063	0	53	15:12:49.333		DMS:	: *RUNDOWN	R403, TRACK 1, FWD, TIC *3340.15 +/- 5		4	0	5,399,403:52:0	
1064	0	53	15:12:49.333	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop		4	0	5,399,403:52:0	
1065	**0**	**53**	**15:12:52.000**	**20EJ6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,399,403:56:0**	
1066	0	53	15:12:52.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3344.15 +/- 5		4	0	5,399,403:56:1	
1067	**0**	**53**	**15:13:02.000**	**20EJ5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,399,403:71:0**	
1068	**0**	**53**	**15:13:05.333**	**20EJ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,399,403:76:0**	
1069	**0**	**53**	**15:13:08.666**	**20EJ4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**5,399,403:81:0**	
1070	0	53	15:13:14.666	165EJ4A	7SCAN	NORM,58.441,24.0	Check S/P Position	2R0	4	0	5,399,403:90:0	
1071	**0**	**53**	**15:13:19.333**	**27NNTVASHT01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
1072	**0**	**53**	**15:13:19.333**	**27INTVASHT01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
1073	0	53	15:14:02.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3344.15 +/- 5	2R0	4	0	5,399,404:71:0	
1074	0	53	15:14:02.666	175EJ422A6A	6DMSC	R28,1	DMS Control	2R0	4	0	5,399,404:71:0	
1075	0	53	15:14:06.666	117EJ	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	5,399,404:77:0	
1076	**0**	**53**	**15:14:09.333**	**20EJ4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,399,404:81:0**	
1077	0	53	15:14:09.333		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 3344.15 +/- 5	2R3	4	0	5,399,404:81:0	
1078	**0**	**53**	**15:14:10.000**	**20EJ4C**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,399,404:82:0**	
1079	0	53	15:14:12.666	175EJ176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,399,404:86:0	
1080	0	53	15:14:13.333		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 3345.65 +/- 5	2R3	4	0	5,399,404:87:0	
1081	0	53	15:14:13.333		DMS:	: *RECORD	R28, TRACK 1, FWD, TIC *3345.65 +/- 5	2R3	4	0	5,399,404:87:0	
1082	**0**	**53**	**15:14:14.000**	**27INTVASHT01-**	**NIMPBK**	**301EJ**	**IO TVASHTI OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1083	0	53	15:14:16.000	117EJ105A106A4A	7STRP	-0.0089,0.0,0,0,	Slew =,0.03	2R3	4	0	5,399,405:00:0	
1084	**0**	**53**	**15:17:22.000**	**27INREGION01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1085	**0**	**53**	**15:17:22.000**	**27INTVASHT01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1086	**0**	**53**	**15:17:52.666**	**27INTVASHT01-**	**DESELC**	**300EJ**	**IO TVASHTI OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1087	0	53	15:17:53.333	175EJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,408:53:0	
1088	0	53	15:17:53.333		DMS:	: *RUNDOWN	R28, TRACK 1, FWD, TIC *3539.01 +/- 5	2R3	4	0	5,399,408:53:0	
1089	0	53	15:17:54.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3539.31 +/- 5	2R3	4	0	5,399,408:54:8	
1090	**0**	**53**	**15:18:29.333**	**20DI5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,399,409:16:0**	
1091	**0**	**53**	**15:18:32.666**	**20DI5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,399,409:21:0**	
1092	**0**	**53**	**15:18:36.000**	**20DI6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,399,409:26:0**	
1093	**0**	**53**	**15:18:46.000**	**20DI6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,399,409:41:0**	
1094	**0**	**53**	**15:18:56.000**	**20DI5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,399,409:56:0**	
1095	**0**	**53**	**15:18:59.333**	**20DI5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,399,409:61:0**	
1096	**0**	**53**	**15:19:12.666**	**20DI4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**5,399,409:81:0**	
1097	0	53	15:19:16.000	117EJ11A	CSMOS	GE	***** GROUP END CSMOS	2R0	4	0	5,399,409:86:0	
1098	0	53	15:19:18.666	165DI4A	7SCAN	NORM,60.953,23.0	Check S/P Position	2R0	4	0	5,399,409:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1099	0	53	15:20:10.666	117DI	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	5,399,410:77:0
1100	0	53	15:20:12.666	20DI4B	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,399,410:80:0
1101	0	53	15:20:13.333	20DI4C	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,399,410:81:0
1102	0	53	15:20:19.333	175DI422A6A	6DMSC	R28,1	DMS Control	2R3	4	0	5,399,410:90:0
1103	0	53	15:20:19.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3539.31 +/- 5	2R3	4	0	5,399,410:90:0
1104	0	53	15:20:20.000	117DI105A106A4A	7STRP	0.030109,0.0,0,0	Slew =,0.03	2R3	4	0	5,399,411:00:0
1105	0	53	15:20:26.000		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 3539.31 +/- 5	2R3	4	0	5,399,411:09:0
1106	0	53	15:20:29.333	175DI176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,399,411:14:0
1107	0	53	15:20:30.000		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 3540.81 +/- 6	2R3	4	0	5,399,411:15:0
1108	0	53	15:20:30.000		DMS:	: *RECORD	R28, TRACK 1, FWD, TIC *3540.81 +/- 5	2R3	4	0	5,399,411:15:0
1109	0	53	15:20:36.666	27INREGION01-	NIMPBK	301DI	IO REGIONAL OBSERVATION	2R3	4	0	: :
1110	0	53	15:36:56.666	27INREGION01-	DESELC	300DI	IO GLOBAL OBSERVATION	2R3	4	0	: :
1111	0	53	15:37:05.333	117DI105A106A4B	7STRP	-0.027007,0.0065	Slew =12.01	2R3	4	0	5,399,427:52:0
1112	0	53	15:37:12.000	117DI105A106A4C	7STRP	0.030109,0.0,0,0	Slew =,0.03	2R3	4	0	5,399,427:62:0
1113	0	53	15:37:12.000	27INREGION01-	NIMPBK	301EK	IO REGIONAL OBSERVATION	2R3	4	0	: :
1114	0	53	15:38:12.666	27INREGION01-	DESELC	300EK	IO GLOBAL OBSERVATION	2R3	4	0	: :
1115	0	53	15:53:57.333	117DI105A106A4D	7STRP	-0.027007,0.0065	Slew =12.01	2R3	4	0	5,399,444:23:0
1116	0	53	15:54:04.000	117DI105A106A4E	7STRP	0.030109,0.0,0,0	Slew =,0.03	2R3	4	0	5,399,444:33:0
1117	0	53	16:05:38.000		DMS:	: *RUNDOWN	R28, TRACK 1, FWD, TIC *5920.89 +/- 6	2R3	4	0	5,399,455:73:0
1118	0	53	16:05:38.000	175DI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,455:73:0
1119	0	53	16:05:39.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5921.19 +/- 6	2R3	4	0	5,399,455:74:8
1120	0	53	16:06:56.000		DMS:	: READY	RDY, TRACK *2, *REV, TIC 5921.19 +/- 6	2R3	4	0	5,399,457:08:0
1121	0	53	16:06:56.000	465KF6A	6DMSC	RDY,2	DMS Control Tape stop	2R3	4	0	5,399,457:08:0
1122	0	53	16:09:56.666	27INREGION01-		-----STOP-------		2R3	4	0	: :
1123	0	53	16:10:49.333	117DI11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,399,460:85:0
1124	0	53	16:11:53.333	165GI4A	7SCAN	NORM,61.839,22.2	Check S/P Position	2R3	4	0	5,399,461:90:0
1125	0	53	16:14:56.000	176GI6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,399,465:00:0
1126	0	53	16:16:00.666	117GI	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,399,466:06:0
1127	0	53	16:16:10.000	117GI105A106A4A	7STRP	-0.0005,0.0,0,0,	Slew =,0.04	2R3	4	0	5,399,466:20:0
1128	0	53	16:16:47.333	117GI105A106A4B	7STRP	0.04503,-0.01000	Slew =12.01	2R3	4	0	5,399,466:76:0
1129	0	53	16:16:56.666	117GI105A106A4C	7STRP	-0.0005,0.0,0,0,	Slew =,0.04	2R3	4	0	5,399,466:90:0
1130	0	53	16:17:34.000	117GI105A106B4A	7STRP	-0.017502,0.0003	Slew =12.01	2R3	4	0	5,399,467:55:0
1131	0	53	16:17:40.666	117GI105A106B4B	7STRP	0.020003,0.0,0,0	Slew =,0.04	2R3	4	0	5,399,467:65:0
1132	0	53	16:26:04.666	117GI105A106B4C	7STRP	-0.017502,0.0003	Slew =12.01	2R3	4	0	5,399,476:02:0
1133	0	53	16:26:11.333	117GI105A106B4D	7STRP	0.020003,0.0,0,0	Slew =,0.04	2R3	4	0	5,399,476:12:0
1134	0	53	16:27:30.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,477:40:0
1135	0	53	16:27:30.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5921.19 +/- 6	2R3	4	0	5,399,477:40:0
1136	0	53	16:27:32.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5921.31 +/- 6	2R3	4	0	5,399,477:42:1
1137	0	53	16:27:37.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5922.54 +/- 6	2R3	4	0	5,399,477:50:0
1138	0	53	16:27:38.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5922.60 +/- 6	2R3	4	0	5,399,477:51:8
1139	0	53	16:27:39.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5922.48 +/- 6	2R3	4	0	5,399,477:53:9
1140	0	53	16:27:56.000		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *5918.72 +/- 6	2R3	4	0	5,399,477:78:0
1141	0	53	16:28:18.666		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *5913.41 +/- 6	2R3	4	0	5,399,478:21:0
1142	0	53	16:28:18.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,478:21:0
1143	0	53	16:28:19.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5913.35 +/- 6	2R3	4	0	5,399,478:22:8
1144	0	53	16:34:35.333	117GI105A106B4E	7STRP	-0.017502,0.0003	Slew =12.01	2R3	4	0	5,399,484:40:0
1145	0	53	16:34:42.000	117GI105A106B4F	7STRP	0.020003,0.0,0,0	Slew =,0.04	2R3	4	0	5,399,484:50:0
1146	0	53	16:40:32.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,490:30:0
1147	0	53	16:40:32.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5913.35 +/- 6	2R3	4	0	5,399,490:30:0
1148	0	53	16:40:34.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5913.47 +/- 6	2R3	4	0	5,399,490:32:1
1149	0	53	16:40:39.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5914.70 +/- 6	2R3	4	0	5,399,490:40:0
1150	0	53	16:40:40.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5914.76 +/- 6	2R3	4	0	5,399,490:41:8
1151	0	53	16:40:41.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5914.64 +/- 6	2R3	4	0	5,399,490:43:9
1152	0	53	16:40:58.000		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *5910.88 +/- 6	2R3	4	0	5,399,490:68:0
1153	0	53	16:41:20.666		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *5905.56 +/- 6	2R3	4	0	5,399,491:11:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1154	0	53	16:41:20.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,491:11:0
1155	0	53	16:41:21.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5905.50 +/- 6	2R3	4	0	5,399,491:12:8
1156	0	53	16:43:06.000	117GI105A106B4G	7STRP	-0.017502,0.0003	Slew =12.01	2R3	4	0	5,399,492:78:0
1157	0	53	16:43:12.666	117GI105A106B4H	7STRP	0.020003,0.0,0,0	Slew =,0.04	2R3	4	0	5,399,492:88:0
1158	0	53	16:51:36.666	117GI105A106B4I	7STRP	-0.017502,0.0003	Slew =12.01	2R3	4	0	5,399,501:25:0
1159	0	53	16:51:43.333	117GI105A106B4J	7STRP	0.020003,0.0,0,0	Slew =,0.04	2R3	4	0	5,399,501:35:0
1160	0	53	16:53:34.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5905.50 +/- 6	2R3	4	0	5,399,503:20:0
1161	0	53	16:53:34.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,503:20:0
1162	0	53	16:53:36.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5905.62 +/- 6	2R3	4	0	5,399,503:22:1
1163	0	53	16:53:41.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5906.86 +/- 6	2R3	4	0	5,399,503:30:0
1164	0	53	16:53:42.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5906.92 +/- 6	2R3	4	0	5,399,503:31:8
1165	0	53	16:53:43.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5906.80 +/- 6	2R3	4	0	5,399,503:33:9
1166	0	53	16:54:00.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5903.03 +/- 6	2R3	4	0	5,399,503:58:0
1167	0	53	16:54:22.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5897.72 +/- 6	2R3	4	0	5,399,504:01:0
1168	0	53	16:54:22.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,504:01:0
1169	0	53	16:54:23.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5897.66 +/- 6	2R3	4	0	5,399,504:02:8
1170	0	53	16:58:29.333	488AJ6A	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R3	4	0	5,399,508:07:0
1171	0	53	17:00:07.333	117GI105A106B4K	7STRP	-0.017502,0.0003	Slew =12.01	2R3	4	0	5,399,509:63:0
1172	0	53	17:00:14.000	117GI105A106B4L	7STRP	0.020003,0.0,0,0	Slew =,0.04	2R3	4	0	5,399,509:73:0
1173	0	53	17:06:37.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5897.66 +/- 6	2R3	4	0	5,399,516:11:0
1174	0	53	17:06:37.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,516:11:0
1175	0	53	17:06:38.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5897.78 +/- 6	2R3	4	0	5,399,516:13:1
1176	0	53	17:06:44.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5899.01 +/- 6	2R3	4	0	5,399,516:21:0
1177	0	53	17:06:45.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5899.07 +/- 6	2R3	4	0	5,399,516:22:8
1178	0	53	17:06:46.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5898.95 +/- 6	2R3	4	0	5,399,516:24:9
1179	0	53	17:07:02.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5895.34 +/- 6	2R3	4	0	5,399,516:48:0
1180	0	53	17:07:24.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5890.03 +/- 6	2R3	4	0	5,399,516:82:0
1181	0	53	17:07:24.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,516:82:0
1182	0	53	17:07:25.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5889.97 +/- 6	2R3	4	0	5,399,516:83:8
1183	0	53	17:08:38.000	117GI105A106B4M	7STRP	-0.017502,0.0003	Slew =12.01	2R3	4	0	5,399,518:10:0
1184	0	53	17:08:44.666	117GI105A106B4N	7STRP	0.020003,0.0,0,0	Slew =,0.04	2R3	4	0	5,399,518:20:0
1185	0	53	17:17:08.666	117GI105A106C4A	7STRP	-0.030009,-0.003	Slew =12.01	2R3	4	0	5,399,526:48:0
1186	0	53	17:19:16.666	117GI105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.04	2R3	4	0	5,399,528:58:0
1187	0	53	17:19:22.000	117GI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,399,528:66:0
1188	0	53	17:19:39.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5889.97 +/- 6	2R3	4	0	5,399,529:01:0
1189	0	53	17:19:39.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,529:01:0
1190	0	53	17:19:40.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5890.09 +/- 6	2R3	4	0	5,399,529:03:1
1191	0	53	17:19:46.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5891.33 +/- 6	2R3	4	0	5,399,529:11:0
1192	0	53	17:19:47.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5891.39 +/- 6	2R3	4	0	5,399,529:12:8
1193	0	53	17:19:48.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5891.27 +/- 6	2R3	4	0	5,399,529:14:9
1194	0	53	17:20:04.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5887.50 +/- 6	2R3	4	0	5,399,529:39:0
1195	0	53	17:20:27.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5882.19 +/- 6	2R3	4	0	5,399,529:73:0
1196	0	53	17:20:27.333	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,529:73:0
1197	0	53	17:20:28.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5882.13 +/- 6	2R3	4	0	5,399,529:74:8
1198	0	53	17:21:39.333	165GL4A	7SCAN	NORM,58.83,23.63	Check S/P Position	2R3	4	0	5,399,530:90:0
1199	0	53	17:21:56.666	176GI6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,399,531:25:0
1200	0	53	17:21:58.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,531:28:0
1201	0	53	17:21:58.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5882.13 +/- 6	2R3	4	0	5,399,531:28:0
1202	0	53	17:22:00.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5882.25 +/- 6	2R3	4	0	5,399,531:30:1
1203	0	53	17:22:05.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5883.48 +/- 6	2R3	4	0	5,399,531:38:0
1204	0	53	17:22:06.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5883.54 +/- 6	2R3	4	0	5,399,531:39:8
1205	0	53	17:22:07.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5883.42 +/- 6	2R3	4	0	5,399,531:41:9
1206	0	53	17:22:08.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5883.25 +/- 6	2R3	4	0	5,399,531:43:0
1207	0	53	17:22:20.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5880.59 +/- 6	2R3	4	0	5,399,531:60:0
1208	0	53	17:22:20.000	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,531:60:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	0	53	17:22:21.200		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5880.53 +/- 6	2R3	4	0	5,399,531:61:8	
1210	0	53	17:24:42.000	176GJ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,399,534:00:0	
1211	0	53	17:25:33.333	117GL	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	5,399,534:77:0	
1212	0	53	17:25:42.666	117GL105A106A4A	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,535:00:0	
1213	0	53	17:26:13.333	488AJ6B	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R3	4	0	5,399,535:46:0	
1214	0	53	17:29:12.000	117GL105A106A4B	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,538:41:0	
1215	0	53	17:29:20.000	117GL105A106A4C	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,538:53:0	
1216	0	53	17:31:04.000	20RQ6B	6RTSL1		R/T Select of DDS and	2R3	4	0	5,399,540:27:0	
1217	0	53	17:32:49.333	117GL105A106A4D	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,542:03:0	
1218	0	53	17:32:57.333	117GL105A106A4E	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,542:15:0	
1219	0	53	17:36:26.666	117GL105A106A4F	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,545:56:0	
1220	0	53	17:36:34.666	117GL105A106A4G	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,545:68:0	
1221	0	53	17:37:16.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5880.53 +/- 6	2R3	4	0	5,399,546:40:0	
1222	0	53	17:37:16.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,546:40:0	
1223	0	53	17:37:18.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5880.65 +/- 6	2R3	4	0	5,399,546:42:1	
1224	0	53	17:37:23.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5881.89 +/- 6	2R3	4	0	5,399,546:50:0	
1225	0	53	17:37:24.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5881.95 +/- 6	2R3	4	0	5,399,546:51:8	
1226	0	53	17:37:25.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5881.83 +/- 6	2R3	4	0	5,399,546:53:9	
1227	0	53	17:37:42.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5878.06 +/- 6	2R3	4	0	5,399,546:78:0	
1228	0	53	17:38:04.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,547:21:0	
1229	0	53	17:38:04.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5872.75 +/- 6	2R3	4	0	5,399,547:21:0	
1230	0	53	17:38:05.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5872.69 +/- 6	2R3	4	0	5,399,547:22:8	
1231	0	53	17:40:04.000	117GL105A106A4H	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,549:18:0	
1232	0	53	17:40:12.000	117GL105A106A4I	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,549:30:0	
1233	0	53	17:43:41.333	117GL105A106A4J	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,552:71:0	
1234	0	53	17:43:49.333	117GL105A106A4K	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,552:83:0	
1235	0	53	17:47:18.666	117GL105A106A4L	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,556:33:0	
1236	0	53	17:47:26.666	117GL105A106A4M	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,556:45:0	
1237	0	53	17:50:18.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,559:30:0	
1238	0	53	17:50:18.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5872.69 +/- 6	2R3	4	0	5,399,559:30:0	
1239	0	53	17:50:20.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5872.81 +/- 6	2R3	4	0	5,399,559:32:1	
1240	0	53	17:50:25.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5874.04 +/- 6	2R3	4	0	5,399,559:40:0	
1241	0	53	17:50:26.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5874.10 +/- 6	2R3	4	0	5,399,559:41:8	
1242	0	53	17:50:27.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5873.98 +/- 6	2R3	4	0	5,399,559:43:9	
1243	0	53	17:50:44.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5870.22 +/- 6	2R3	4	0	5,399,559:68:0	
1244	0	53	17:50:56.000	117GL105A106A4N	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,559:86:0	
1245	0	53	17:51:04.000	117GL105A106A4O	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,560:07:0	
1246	0	53	17:51:06.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,560:11:0	
1247	0	53	17:51:06.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5864.91 +/- 6	2R3	4	0	5,399,560:11:0	
1248	0	53	17:51:07.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5864.85 +/- 6	2R3	4	0	5,399,560:12:8	
1249	0	53	17:54:33.333	117GL105A106A4P	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,563:48:0	
1250	0	53	17:54:41.333	117GL105A106A4Q	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,563:60:0	
1251	0	53	17:58:10.666	117GL105A106A4R	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,567:10:0	
1252	0	53	17:58:18.666	117GL105A106A4S	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,567:22:0	
1253	0	53	18:00:00.000	480SE6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,399,568:83:0	
1254	0	53	18:00:21.333	488AJ6C	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R3	4	0	5,399,569:24:0	
1255	0	53	18:01:48.000	117GL105A106A4T	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,570:63:0	
1256	0	53	18:01:56.000	117GL105A106A4U	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,570:75:0	
1257	0	53	18:03:20.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,572:20:0	
1258	0	53	18:03:20.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5864.85 +/- 6	2R3	4	0	5,399,572:20:0	
1259	0	53	18:03:22.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5864.97 +/- 6	2R3	4	0	5,399,572:22:1	
1260	0	53	18:03:27.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5866.20 +/- 6	2R3	4	0	5,399,572:30:0	
1261	0	53	18:03:28.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5866.26 +/- 6	2R3	4	0	5,399,572:31:8	
1262	0	53	18:03:29.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5866.14 +/- 6	2R3	4	0	5,399,572:33:9	
1263	0	53	18:03:46.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5862.38 +/- 6	2R3	4	0	5,399,572:58:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	0	53	18:04:08.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,573:01:0	
1265	0	53	18:04:08.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5857.06 +/- 6	2R3	4	0	5,399,573:01:0	
1266	0	53	18:04:09.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5857.00 +/- 6	2R3	4	0	5,399,573:02:8	
1267	0	53	18:05:25.333	117GL105A106A4V	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,574:25:0	
1268	0	53	18:05:33.333	117GL105A106A4W	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,574:37:0	
1269	0	53	18:06:40.000	480SE6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,399,575:46:0	
1270	0	53	18:09:02.666	117GL105A106A4X	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,577:78:0	
1271	0	53	18:09:10.666	117GL105A106A4Y	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,577:90:0	
1272	0	53	18:12:40.000	117GL105A106A4Z	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,581:40:0	
1273	0	53	18:12:48.000	117GL105A106A4AA	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,581:52:0	
1274	0	53	18:16:17.333	117GL105A106A4AB	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,585:02:0	
1275	0	53	18:16:23.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5857.00 +/- 6	2R3	4	0	5,399,585:11:0	
1276	0	53	18:16:23.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,585:11:0	
1277	0	53	18:16:24.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5857.12 +/- 6	2R3	4	0	5,399,585:13:1	
1278	0	53	18:16:25.333	117GL105A106A4AC	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,585:14:0	
1279	0	53	18:16:30.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5858.36 +/- 6	2R3	4	0	5,399,585:21:0	
1280	0	53	18:16:31.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5858.42 +/- 6	2R3	4	0	5,399,585:22:8	
1281	0	53	18:16:32.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5858.30 +/- 6	2R3	4	0	5,399,585:24:9	
1282	0	53	18:16:48.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5854.69 +/- 6	2R3	4	0	5,399,585:48:0	
1283	0	53	18:17:10.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,585:82:0	
1284	0	53	18:17:10.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5849.38 +/- 6	2R3	4	0	5,399,585:82:0	
1285	0	53	18:17:11.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5849.32 +/- 6	2R3	4	0	5,399,585:83:8	
1286	0	53	18:19:54.666	117GL105A106A4AD	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,588:55:0	
1287	0	53	18:20:02.666	117GL105A106A4AE	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,588:67:0	
1288	0	53	18:23:32.000	117GL105A106A4AF	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,592:17:0	
1289	0	53	18:23:40.000	117GL105A106A4AG	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,592:29:0	
1290	0	53	18:27:09.333	117GL105A106A4AH	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,595:70:0	
1291	0	53	18:27:17.333	117GL105A106A4AI	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,595:82:0	
1292	0	53	18:29:25.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5849.32 +/- 6	2R3	4	0	5,399,598:01:0	
1293	0	53	18:29:25.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,598:01:0	
1294	0	53	18:29:26.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5849.44 +/- 6	2R3	4	0	5,399,598:03:1	
1295	0	53	18:29:32.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5850.67 +/- 6	2R3	4	0	5,399,598:11:0	
1296	0	53	18:29:33.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5850.73 +/- 6	2R3	4	0	5,399,598:12:8	
1297	0	53	18:29:34.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5850.61 +/- 6	2R3	4	0	5,399,598:14:9	
1298	0	53	18:29:50.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5846.84 +/- 6	2R3	4	0	5,399,598:39:0	
1299	0	53	18:30:13.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5841.53 +/- 6	2R3	4	0	5,399,598:73:0	
1300	0	53	18:30:13.333	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,598:73:0	
1301	0	53	18:30:14.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5841.47 +/- 6	2R3	4	0	5,399,598:74:8	
1302	0	53	18:30:46.666	117GL105A106A4AJ	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,599:32:0	
1303	0	53	18:30:54.666	117GL105A106A4AK	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,599:44:0	
1304	0	53	18:34:24.000	117GL105A106A4AL	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,602:85:0	
1305	0	53	18:34:32.000	117GL105A106A4AM	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,603:06:0	
1306	0	53	18:36:47.333	488AJ6D	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R3	4	0	5,399,605:27:0	
1307	0	53	18:38:01.333	117GL105A106A4AN	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,606:47:0	
1308	0	53	18:38:09.333	117GL105A106A4AO	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,606:59:0	
1309	0	53	18:41:38.666	117GL105A106A4AP	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,610:09:0	
1310	0	53	18:41:46.666	117GL105A106A4AQ	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,610:21:0	
1311	0	53	18:42:27.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5841.47 +/- 6	2R3	4	0	5,399,610:82:0	
1312	0	53	18:42:27.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,610:82:0	
1313	0	53	18:42:28.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5841.59 +/- 6	2R3	4	0	5,399,610:84:1	
1314	0	53	18:42:34.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5842.83 +/- 6	2R3	4	0	5,399,611:01:0	
1315	0	53	18:42:35.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5842.89 +/- 6	2R3	4	0	5,399,611:02:8	
1316	0	53	18:42:36.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5842.77 +/- 6	2R3	4	0	5,399,611:04:9	
1317	0	53	18:42:52.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5839.00 +/- 6	2R3	4	0	5,399,611:29:0	
1318	0	53	18:43:15.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5833.69 +/- 6	2R3	4	0	5,399,611:63:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1319	0	53	18:43:15.333	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,611:63:0
1320	0	53	18:43:16.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5833.63 +/- 6	2R3	4	0	5,399,611:64:8
1321	0	53	18:45:16.000	117GL105A106A4AR	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,613:62:0
1322	0	53	18:45:24.000	117GL105A106A4AS	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,613:74:0
1323	0	53	18:48:53.333	117GL105A106A4AT	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,617:24:0
1324	0	53	18:49:01.333	117GL105A106A4AU	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,617:36:0
1325	0	53	18:52:30.666	117GL105A106A4AV	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,620:77:0
1326	0	53	18:52:38.666	117GL105A106A4AW	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,620:89:0
1327	0	53	18:55:30.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5833.63 +/- 6	2R3	4	0	5,399,623:73:0
1328	0	53	18:55:30.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,623:73:0
1329	0	53	18:55:31.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5833.75 +/- 6	2R3	4	0	5,399,623:75:1
1330	0	53	18:55:36.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5834.98 +/- 6	2R3	4	0	5,399,623:83:0
1331	0	53	18:55:37.866		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5835.04 +/- 6	2R3	4	0	5,399,623:84:8
1332	0	53	18:55:39.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5834.92 +/- 6	2R3	4	0	5,399,623:86:9
1333	0	53	18:55:54.666		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5831.31 +/- 6	2R3	4	0	5,399,624:19:0
1334	0	53	18:56:08.000	117GL105A106A4AX	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,624:39:0
1335	0	53	18:56:16.000	117GL105A106A4AY	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,624:51:0
1336	0	53	18:56:17.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5826.00 +/- 6	2R3	4	0	5,399,624:53:0
1337	0	53	18:56:17.333	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,624:53:0
1338	0	53	18:56:18.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5825.94 +/- 6	2R3	4	0	5,399,624:54:8
1339	0	53	18:59:45.333	117GL105A106A4AZ	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,628:01:0
1340	0	53	18:59:53.333	117GL105A106A4BA	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,628:13:0
1341	0	53	19:03:22.666	117GL105A106A4BB	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,631:54:0
1342	0	53	19:03:30.666	117GL105A106A4BC	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,631:66:0
1343	0	53	19:07:00.000	117GL105A106A4BD	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,635:16:0
1344	0	53	19:07:08.000	117GL105A106A4BE	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,635:28:0
1345	0	53	19:08:32.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5825.94 +/- 6	2R3	4	0	5,399,636:63:0
1346	0	53	19:08:32.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,636:63:0
1347	0	53	19:08:33.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5826.06 +/- 6	2R3	4	0	5,399,636:65:1
1348	0	53	19:08:38.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5827.29 +/- 6	2R3	4	0	5,399,636:73:0
1349	0	53	19:08:39.866		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5827.35 +/- 6	2R3	4	0	5,399,636:74:8
1350	0	53	19:08:41.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5827.23 +/- 6	2R3	4	0	5,399,636:76:9
1351	0	53	19:08:57.333		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5823.47 +/- 6	2R3	4	0	5,399,637:10:0
1352	0	53	19:09:20.000	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,637:44:0
1353	0	53	19:09:20.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5818.16 +/- 6	2R3	4	0	5,399,637:44:0
1354	0	53	19:09:21.200		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5818.10 +/- 6	2R3	4	0	5,399,637:45:8
1355	0	53	19:10:37.333	117GL105A106A4BF	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,638:69:0
1356	0	53	19:10:45.333	117GL105A106A4BG	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,638:81:0
1357	0	53	19:14:14.666	117GL105A106A4BH	7STRP	-0.03101,0.0008,	Slew =12.01	2R3	4	0	5,399,642:31:0
1358	0	53	19:14:22.666	117GL105A106A4BI	7STRP	0.033012,0.0,0,0	Slew =,0.16	2R3	4	0	5,399,642:43:0
1359	0	53	19:17:52.000	117GL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	5,399,645:84:0
1360	0	53	19:20:26.666	488AJ6E	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R3	4	0	5,399,648:43:0
1361	0	53	19:20:28.000	176GJ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,399,648:45:0
1362	0	53	19:20:30.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,648:48:0
1363	0	53	19:20:30.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5818.10 +/- 6	2R3	4	0	5,399,648:48:0
1364	0	53	19:20:31.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5818.22 +/- 6	2R3	4	0	5,399,648:50:1
1365	0	53	19:20:36.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5819.45 +/- 6	2R3	4	0	5,399,648:58:0
1366	0	53	19:20:37.866		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5819.51 +/- 6	2R3	4	0	5,399,648:59:8
1367	0	53	19:20:39.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5819.39 +/- 6	2R3	4	0	5,399,648:61:9
1368	0	53	19:20:40.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5819.22 +/- 6	2R3	4	0	5,399,648:63:0
1369	0	53	19:21:00.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5814.38 +/- 6	2R3	4	0	5,399,649:03:0
1370	0	53	19:21:00.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,649:03:0
1371	0	53	19:21:01.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5814.32 +/- 6	2R3	4	0	5,399,649:04:8
1372	**0**	**53**	**19:35:12.000**	**27NNGLOBAL01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1373	**0**	**53**	**19:35:32.000**	**20EI5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,399,663:36:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	0	53	19:35:35.333	20EI5B	37MRL		Memory Realocate (software operates from R		4	0	5,399,663:41:0	
1375	0	53	19:35:38.666	20EI6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,399,663:46:0	
1376	0	53	19:35:48.666	20EI6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,399,663:61:0	
1377	0	53	19:35:58.666	20EI5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,399,663:76:0	
1378	0	53	19:36:02.000	20EI5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,399,663:81:0	
1379	0	53	19:37:02.666	20EI4A	37IST	1,2,0,OFF,0,1,0	Chopper ON, Sync, Chopper (Ref)Gain State	2R0	4	0	5,399,664:81:0	
1380	0	53	19:38:02.666	20EI4B	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,399,665:80:0	
1381	0	53	19:38:03.333	20EI4C	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,399,665:81:0	
1382	0	53	19:38:14.000	27NNGLOBAL01-		-----STOP-------		2R3	4	0	: :	
1383	0	53	19:40:10.666	165EI4A	7SCAN	NORM,54.414,22.1	Check S/P Position	2R3	4	0	5,399,667:90:0	
1384	0	53	19:40:15.333	27INGLOBAL01-		-----START------		2R3	4	0	: :	
1385	0	53	19:44:04.666	117EI	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,399,671:77:0	
1386	0	53	19:44:14.000	117EI105A106A4A	7STRP	0.027507,0.0,0,0	Slew =,0.06	2R3	4	0	5,399,672:00:0	
1387	0	53	19:45:00.000	175EI422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,399,672:69:0	
1388	0	53	19:45:00.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5814.32 +/- 6	2R3	4	0	5,399,672:69:0	
1389	0	53	19:45:01.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5814.44 +/- 6	2R3	4	0	5,399,672:71:1	
1390	0	53	19:45:06.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5815.67 +/- 6	2R3	4	0	5,399,672:79:0	
1391	0	53	19:45:07.866		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *5815.73 +/- 6	2R3	4	0	5,399,672:80:8	
1392	0	53	19:45:11.333	175EI176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,399,672:86:0	
1393	0	53	19:45:11.866		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 5814.23 +/- 6	2R3	4	0	5,399,672:86:8	
1394	0	53	19:45:11.866		DMS:	: *RECORD	R28, TRACK 2, REV, TIC *5814.23 +/- 6	2R3	4	0	5,399,672:86:8	
1395	0	53	19:51:59.333	117EI105A106A4B	7STRP	-0.023504,0.0070	Slew =12.01	2R3	4	0	5,399,679:61:0	
1396	0	53	19:52:07.333	117EI105A106A4C	7STRP	0.027507,0.0,0,0	Slew =,0.06	2R3	4	0	5,399,679:73:0	
1397	0	53	19:59:52.666	117EI105A106A4D	7STRP	-0.023504,0.0070	Slew =12.01	2R3	4	0	5,399,687:43:0	
1398	0	53	20:00:00.666	117EI105A106A4E	7STRP	0.027507,0.0,0,0	Slew =,0.06	2R3	4	0	5,399,687:55:0	
1399	0	53	20:05:03.333	175EI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,692:54:0	
1400	0	53	20:05:03.333		DMS:	: *RUNDOWN	R28, TRACK 2, REV, TIC *4767.04 +/- 6	2R3	4	0	5,399,692:54:0	
1401	0	53	20:05:04.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4766.74 +/- 6	2R3	4	0	5,399,692:55:8	
1402	0	53	20:07:46.000	117EI11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,399,695:25:0	
1403	0	53	20:20:42.000	27INGLOBAL01-		-----STOP-------		2R3	4	0	: :	
1404	0	53	20:21:49.333	432OI431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,399,709:16:0	
1405	0	53	20:21:50.000	432OI6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,399,709:17:0	
1406	0	53	20:30:48.666	27NNDETECT02-		-----START------		2R3	4	0	: :	
1407	0	53	20:30:52.000	20FC5A	37PL		Program Load (halts microprocessor & unwri		4	0	5,399,718:11:0	
1408	0	53	20:30:54.000	20FC5B	37MRL		Memory Realocate (software operates from R		4	0	5,399,718:14:0	
1409	0	53	20:30:58.666	20FC6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	5,399,718:21:0	
1410	0	53	20:31:08.666	20FC6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	5,399,718:36:0	
1411	0	53	20:31:18.666	20FC5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,399,718:51:0	
1412	0	53	20:31:25.333	20FC5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,399,718:61:0	
1413	0	53	20:31:38.000	20FC4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,399,718:80:0	
1414	0	53	20:32:38.666	20FC4B	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,399,719:80:0	
1415	0	53	20:33:39.333	20FC4C	37MB	0,0,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5,399,720:80:0	
1416	0	53	20:34:40.000	20FC4D	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,399,721:80:0	
1417	0	53	20:34:40.666	20FC4E	37ETB	4,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,399,721:81:0	
1418	0	53	20:36:52.666	20FH6A	6MCOPY	B1A1A,69DE,NIMS,	B1A1A,69DE,NIMS,150F,1517	2R3	4	0	5,399,724:06:0	
1419	0	53	20:37:01.333	20FH6B	6MCOPY	B1A1A,69E7,NIMS,	B1A1A,69E7,NIMS,150F,1517	2R3	4	0	5,399,724:19:0	
1420	0	53	20:37:54.000	20FH6C	6MCOPY	B1A1A,69F0,NIMS,	B1A1A,69F0,NIMS,150F,1517	2R3	4	0	5,399,725:07:0	
1421	0	53	20:38:02.666	20FH6D	6MCOPY	B1A1A,69F9,NIMS,	B1A1A,69F9,NIMS,150F,1517	2R3	4	0	5,399,725:20:0	
1422	0	53	20:38:55.333	20FH6E	6MCOPY	B1A1A,6A02,NIMS,	B1A1A,6A02,NIMS,150F,1517	2R3	4	0	5,399,726:08:0	
1423	0	53	20:39:04.000	20FH6F	6MCOPY	B1A1A,6A0B,NIMS,	B1A1A,6A0B,NIMS,150F,1517	2R3	4	0	5,399,726:21:0	
1424	0	53	20:39:56.666	20FH6G	6MCOPY	B1A1A,6A14,NIMS,	B1A1A,6A14,NIMS,150F,1517	2R3	4	0	5,399,727:09:0	
1425	0	53	20:40:05.333	20FH6H	6MCOPY	B1A1A,6A1D,NIMS,	B1A1A,6A1D,NIMS,150F,1517	2R3	4	0	5,399,727:22:0	
1426	0	53	20:40:58.000	20FH6I	6MCOPY	B1A1A,6A26,NIMS,	B1A1A,6A26,NIMS,150F,1517	2R3	4	0	5,399,728:10:0	
1427	0	53	20:41:06.666	20FH6J	6MCOPY	B1A1A,6A2F,NIMS,	B1A1A,6A2F,NIMS,150F,1517	2R3	4	0	5,399,728:23:0	
1428	0	53	20:41:59.333	20FH6K	6MCOPY	B1A1A,6A38,NIMS,	B1A1A,6A38,NIMS,150F,1517	2R3	4	0	5,399,729:11:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1429	**0**	**53**	**20:42:08.000**	**20FH6L**	**6MCOPY**	**B1A1A,6A41,NIMS,**	**B1A1A,6A41,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,729:24:0**
1430	**0**	**53**	**20:43:00.666**	**20FH6M**	**6MCOPY**	**B1A1A,6A4A,NIMS,**	**B1A1A,6A4A,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,730:12:0**
1431	**0**	**53**	**20:43:09.333**	**20FH6N**	**6MCOPY**	**B1A1A,6A53,NIMS,**	**B1A1A,6A53,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,730:25:0**
1432	**0**	**53**	**20:44:02.000**	**20FH6O**	**6MCOPY**	**B1A1A,6A5C,NIMS,**	**B1A1A,6A5C,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,731:13:0**
1433	**0**	**53**	**20:44:10.666**	**20FH6P**	**6MCOPY**	**B1A1A,6A65,NIMS,**	**B1A1A,6A65,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,731:26:0**
1434	**0**	**53**	**20:45:03.333**	**20FH6Q**	**6MCOPY**	**B1A1A,6A6E,NIMS,**	**B1A1A,6A6E,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,732:14:0**
1435	**0**	**53**	**20:45:12.000**	**20FH6R**	**6MCOPY**	**B1A1A,6A77,NIMS,**	**B1A1A,6A77,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,732:27:0**
1436	**0**	**53**	**20:46:04.666**	**20FH6S**	**6MCOPY**	**B1A1A,6A80,NIMS,**	**B1A1A,6A80,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,733:15:0**
1437	**0**	**53**	**20:46:13.333**	**20FH6T**	**6MCOPY**	**B1A1A,6A89,NIMS,**	**B1A1A,6A89,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,733:28:0**
1438	**0**	**53**	**20:47:06.000**	**20FH6U**	**6MCOPY**	**B1A1A,6A92,NIMS,**	**B1A1A,6A92,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,734:16:0**
1439	**0**	**53**	**20:47:14.666**	**20FH6V**	**6MCOPY**	**B1A1A,6A9B,NIMS,**	**B1A1A,6A9B,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,734:29:0**
1440	**0**	**53**	**20:48:07.333**	**20FH6W**	**6MCOPY**	**B1A1A,6AA4,NIMS,**	**B1A1A,6AA4,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,735:17:0**
1441	**0**	**53**	**20:48:16.000**	**20FH6X**	**6MCOPY**	**B1A1A,6AAD,NIMS,**	**B1A1A,6AAD,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,735:30:0**
1442	**0**	**53**	**20:49:08.666**	**20FH6Y**	**6MCOPY**	**B1A1A,6AB6,NIMS,**	**B1A1A,6AB6,NIMS,150F,1517**	**2R3**	**4**	**0**	**5,399,736:18:0**
1443	**0**	**53**	**20:49:17.333**	**20FH6Z**	**6MCOPY**	**B1A1A,6ABF,NIMS,**	**B1A1A,6ABF,NIMS,150F,151C**	**2R3**	**4**	**0**	**5,399,736:31:0**
1444	**0**	**53**	**20:51:02.000**	**27NNDETECT02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1445	0	53	21:00:00.000	488AK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,399,746:85:0
1446	0	53	22:01:04.000	20RR6B	6RTSL1		R/T Select of DDS and	2R3	4	0	5,399,807:30:0
1447	0	53	22:15:00.000	480SA6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,399,821:10:0
1448	0	53	22:21:40.000	480SA6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,399,827:64:0
1449	0	53	23:12:38.000	165IM4A	**7SCAN**	**NORM,50.653,21.0**	**Check S/P Position**	2R3	4	0	5,399,878:10:0
1450	0	53	23:13:22.000	175IM422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	5,399,878:76:0
1451	0	53	23:13:22.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4766.74 +/- 6	2R3	4	0	5,399,878:76:0
1452	0	53	23:13:23.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4766.86 +/- 6	2R3	4	0	5,399,878:78:1
1453	0	53	23:13:24.000	118IM	**SMOS**	GS		2R3	4	0	5,399,878:79:0
1454	0	53	23:13:28.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4768.10 +/- 6	2R3	4	0	5,399,878:86:0
1455	0	53	23:13:29.866		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC *4768.16 +/- 6	2R3	4	0	5,399,878:87:8
1456	0	53	23:13:30.666	165IM4B	7VECT		Inert vect update UTC	2R3	4	0	5,399,878:89:0
1457	0	53	23:13:33.333	175IM176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,399,879:02:0
1458	0	53	23:13:33.733		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 4745.16 +/- 6	2R3	4	0	5,399,879:02:6
1459	0	53	23:13:33.733		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC *4745.16 +/- 6	2R3	4	0	5,399,879:02:6
1460	0	53	23:13:34.000	118IM110A111A4A	7STRP	0.0073,0.0,26,0,	Slew =,3.51	2R3	4	0	5,399,879:03:0
1461	0	53	23:13:42.666	118IM110A111B4A	7STRP	-0.0073,0.007301	Slew =,5.21	2R3	4	0	5,399,879:16:0
1462	0	53	23:13:51.333	118IM110A111B4B	7STRP	0.0073,0.0,26,0,	Slew =,3.51	2R3	4	0	5,399,879:29:0
1463	0	53	23:14:00.000	118IM110A111A4B	7STRP	-0.0073,-0.00690	Slew =,5.21	2R3	4	0	5,399,879:42:0
1464	0	53	23:14:08.666	118IM110A111A4C	7STRP	0.0073,0.0,26,0,	Slew =,3.51	2R3	4	0	5,399,879:55:0
1465	0	53	23:14:17.333	118IM110A111B4C	7STRP	-0.0073,0.007301	Slew =,5.21	2R3	4	0	5,399,879:68:0
1466	0	53	23:14:26.000	118IM110A111B4D	7STRP	0.0073,0.0,26,0,	Slew =,3.51	2R3	4	0	5,399,879:81:0
1467	0	53	23:14:34.666	118IM110A111A4D	7STRP	-0.0073,-0.00690	Slew =,5.21	2R3	4	0	5,399,880:03:0
1468	0	53	23:14:43.333	118IM110A111A4E	7STRP	0.0073,0.0,26,0,	Slew =,3.51	2R3	4	0	5,399,880:16:0
1469	0	53	23:14:52.000	118IM110A111B4E	7STRP	-0.0073,0.007301	Slew =,5.21	2R3	4	0	5,399,880:29:0
1470	0	53	23:15:00.666	118IM110A111B4F	7STRP	0.0073,0.0,26,0,	Slew =,3.51	2R3	4	0	5,399,880:42:0
1471	0	53	23:15:09.333	118IM11A	**SMOS**	GE		2R3	4	0	5,399,880:55:0
1472	0	53	23:15:14.666	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,880:63:0
1473	0	53	23:15:14.666		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC *3503.20 +/- 6	2R3	4	0	5,399,880:63:0
1474	0	53	23:15:17.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3499.20 +/- 6	2R3	4	0	5,399,880:67:1
1475	0	53	23:16:34.000	192GK4A	**7CONE**	**9.0,0.0**	Check S/P Position	2R3	4	0	5,399,882:00:0
1476	0	53	23:23:38.666	176GK6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,399,889:00:0
1477	0	53	23:25:53.333	176GK6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	5,399,891:20:0
1478	0	53	23:25:55.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3499.20 +/- 6	2R3	4	0	5,399,891:23:0
1479	0	53	23:25:55.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,399,891:23:0
1480	0	53	23:25:56.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3499.32 +/- 6	2R3	4	0	5,399,891:25:1
1481	0	53	23:26:02.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3500.56 +/- 6	2R3	4	0	5,399,891:33:0
1482	0	53	23:26:03.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3500.62 +/- 6	2R3	4	0	5,399,891:34:8
1483	0	53	23:26:04.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3500.50 +/- 6	2R3	4	0	5,399,891:36:9

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1484	0	53	23:26:05.333		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3500.33 +/- 6	2R3	4	0	5,399,891:38:0
1485	0	53	23:26:16.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,399,891:55:0
1486	0	53	23:26:16.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3497.67 +/- 6	2R3	4	0	5,399,891:55:0
1487	0	53	23:26:17.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3497.61 +/- 6	2R3	4	0	5,399,891:56:8
1488	0	53	23:28:42.000	192GK4B	**7CONE**	**9.0,90.0**	Check S/P Position	2R3	4	0	5,399,894:00:0
1489	0	54	00:37:09.333	488AK6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,399,961:64:0
1490	0	54	01:30:29.333	488AK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,400,014:41:0
1491	0	54	02:01:04.000	20RS6B	6RTSL1		R/T Select of DDS and	2R3	4	0	5,400,044:63:0
1492	0	54	02:16:49.333	488AK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,400,060:25:0
1493	0	54	03:00:28.666	488AL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,400,103:41:0
1494	0	54	04:10:56.000	20MC6A	6CKSUM	MAG,4040,46F0		2R3	4	0	5,400,173:12:0
1495	0	54	04:11:52.666	480MB6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	2R3	4	0	5,400,174:06:0
1496	0	54	04:11:52.666	480MB6	6MROH	12	read from LLM1A12,2282,0,A2	2R3	4	0	5,400,174:06:0
1497	0	54	05:59:59.933	481UE4A	7VECT	BB1	Inert vect update UTC	2R3	4	0	5,400,281:00:0
1498	0	54	06:01:03.933	20RT6B	6RTSL1		R/T Select of DDS and	2R3	4	0	5,400,282:05:0
1499	0	54	07:59:59.933	20TS4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R3	4	0	5,400,399:62:0
1500	0	54	08:00:49.933	20TS4B	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5,400,400:46:0
1501	0	54	08:00:57.933	20TS4F	7STAR	1,1610,278.815,3	Star catalog update	2R3	4	0	5,400,400:58:0
1502	0	54	08:00:59.933	20TS4G	7STAR	2,111,285.778,13	Star catalog update	2R3	4	0	5,400,400:61:0
1503	0	54	08:01:01.933	20TS4H	7STAR	3,317,120.456,-3	Star catalog update	2R3	4	0	5,400,400:64:0
1504	0	54	08:01:03.933	20TS4I	7STAR	4,0,0.0,0.0	Star catalog update	2R3	4	0	5,400,400:67:0
1505	0	54	08:01:05.933	20TS4J	7STAR	5,0,0.0,0.0	Star catalog update	2R3	4	0	5,400,400:70:0
1506	0	54	08:01:07.933	20TS4K	7STAR	6,0,0.0,0.0	Star catalog update	2R3	4	0	5,400,400:73:0
1507	0	54	08:05:02.600	432OE431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,400,404:61:0
1508	0	54	08:05:03.266	432OE6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,400,404:62:0
1509	0	54	08:52:05.933	488AL6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,400,451:19:0
1510	0	54	08:59:59.933	480SF6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,400,459:02:0
1511	0	54	09:06:39.933	480SF6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,400,465:56:0
1512	0	54	09:31:34.600	488AM6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,400,490:23:0
1513	0	54	09:39:01.933	488AM6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,400,497:57:0
1514	0	54	10:01:03.933	20RU6B	6RTSL1		R/T Select of DDS and	2R3	4	0	5,400,519:38:0
1515	0	54	10:15:17.933	488AM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,400,533:45:0
1516	0	54	13:20:08.600	488AM6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,400,716:28:0
1517	0	54	14:46:53.266	488AM6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,400,802:09:0
1518	0	54	15:15:04.600	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,400,829:89:0
1519	0	54	15:19:12.600	20ZM6A	6EUVON			2R3	4	0	5,400,834:06:0
1520	0	54	15:20:09.266	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2R3	4	0	5,400,835:00:0
1521	0	54	15:20:32.600	488AN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,400,835:35:0
1522	0	54	16:20:48.600	165IN4A	**7SCAN**	**NORM,87.717999,2**	**Check S/P Position**	2R3	4	0	5,400,894:90:0
1523	0	54	16:30:54.600	165IN4B	7VECT		Inert vect update UTC	2R3	4	0	5,400,904:89:0
1524	0	54	16:31:47.933	118IN	**SMOS**	GS		2R3	4	0	5,400,905:78:0
1525	0	54	16:31:57.933	118IN110A111A4A	7STRP	0.0035,0.0,24,0,	Slew =2,1.8	2R3	4	0	5,400,906:02:0
1526	0	54	16:32:03.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3497.61 +/- 6	2R3	4	0	5,400,906:11:0
1527	0	54	16:32:03.933	175IO422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	5,400,906:11:0
1528	0	54	16:32:05.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3497.73 +/- 6	2R3	4	0	5,400,906:13:1
1529	0	54	16:32:05.933	118IN11A	**SMOS**	GE		2R3	4	0	5,400,906:14:0
1530	0	54	16:32:10.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3498.96 +/- 6	2R3	4	0	5,400,906:21:0
1531	0	54	16:32:11.800		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC *3499.02 +/- 6	2R3	4	0	5,400,906:22:8
1532	0	54	16:32:15.266	175IO176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,400,906:28:0
1533	0	54	16:32:15.666		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC *3476.02 +/- 6	2R3	4	0	5,400,906:28:6
1534	0	54	16:32:15.666		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 3476.02 +/- 6	2R3	4	0	5,400,906:28:6
1535	0	54	16:32:19.266		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC *3431.73 +/- 6	2R3	4	0	5,400,906:34:0
1536	0	54	16:32:19.266	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,400,906:34:0
1537	0	54	16:32:22.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3427.73 +/- 6	2R3	4	0	5,400,906:38:1
1538	0	54	16:33:48.600	175KA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,400,907:77:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1539	0	54	16:33:48.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3427.73 +/- 6	2R3	4	0	5,400,907:77:0
1540	0	54	16:33:50.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3427.85 +/- 6	2R3	4	0	5,400,907:79:1
1541	0	54	16:33:55.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3429.08 +/- 6	2R3	4	0	5,400,907:87:0
1542	0	54	16:33:56.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3429.14 +/- 6	2R3	4	0	5,400,907:88:8
1543	0	54	16:33:57.266	175KA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,400,907:90:0
1544	0	54	16:33:57.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 3429.02 +/- 6	2R3	4	0	5,400,907:90:9
1545	0	54	16:33:57.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3429.02 +/- 6	2R3	4	0	5,400,907:90:9
1546	0	54	16:34:04.600	175KA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,400,908:10:0
1547	0	54	16:34:04.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3427.44 +/- 6	2R3	4	0	5,400,908:10:0
1548	0	54	16:34:05.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3427.38 +/- 6	2R3	4	0	5,400,908:11:8
1549	0	54	16:34:57.933	165IZ4A	**7SCAN**	**NORM,87.86,25.52**	**Check S/P Position**	2R3	4	0	5,400,908:90:0
1550	0	54	17:30:05.933	20KA4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R3	4	0	5,400,963:47:0
1551	0	54	17:42:59.933	488AN6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R3	4	0	5,400,976:25:0
1552	**0**	**54**	**17:59:53.266**	**432JC6B**	**6RTDS2**	**NIMNCG,AACDSL,RT**	**AACS DESELECT**	**2R3**	**4**	**0**	**5,400,992:89:0**
1553	0	54	18:00:02.600	488AN6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R3	4	0	5,400,993:12:0
1554	0	54	18:18:59.933	20SV4I	**7MODE**	**INT**	AACS INERTIAL MODE	2R3	4	0	5,401,011:80:0
1555	0	54	18:33:59.933	20SV4K	7SLEW	INIT,POS,17.45	Stator movement	2R3	4	0	5,401,026:65:0
1556	0	54	18:45:59.933	20SV4L	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5,401,038:53:0
1557	0	54	18:52:59.933	20SV4M	7SLEW	INIT,NEG,17.45	Stator movement	2R3	4	0	5,401,045:46:0
1558	0	54	19:04:59.933	20SV4N	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5,401,057:34:0
1559	0	54	19:16:59.933	20SV4AH	**7MODE**	**CRU**	AACS CRUISE MODE	2R3	4	0	5,401,069:22:0
1560	0	54	19:33:03.933	20SW4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R3	4	0	5,401,085:12:0
1561	0	54	19:33:53.933	20SW4B	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5,401,085:87:0
1562	0	54	19:36:58.600	176TA6A	6TMREC	IPB	INITIATE PLAYBACK (PB CONTROL) Record Mod	2R3	4	0	5,401,089:00:0
1563	0	54	19:52:59.933	488AN6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,401,104:77:0
1564	0	54	20:04:05.266	488AN6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,401,115:74:0
1565	0	54	20:53:09.266	488AO6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,401,164:31:0
1566	0	54	20:53:15.933	488AO6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,401,164:41:0
1567	0	54	20:59:59.933	480SG6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,401,171:10:0
1568	0	54	21:06:39.933	480SG6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,401,177:64:0
1569	0	54	21:10:13.266	488AO6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,401,181:20:0
1570	0	55	00:59:59.933	481UF4A	7VECT		Inert vect update UTC	2R3	4	0	5,401,408:43:0
1571	0	55	17:06:19.866	488AP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,402,364:17:0
1572	0	55	17:30:29.866	488AP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,402,388:08:0
1573	0	55	18:32:02.533	488AP6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,402,448:87:0
1574	0	55	19:05:41.200	488AP6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,402,482:21:0
1575	0	56	00:37:09.200	488AQ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5,402,810:05:0
1576	0	56	01:00:37.200	488AQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5,402,833:24:0
1577	**0**	**56**	**01:56:02.000**	**27NNRELOAD01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1578	**0**	**56**	**01:58:39.866**	**20FN5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,402,890:61:0**
1579	**0**	**56**	**01:58:43.200**	**20FN5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,402,890:66:0**
1580	**0**	**56**	**01:58:46.533**	**20FN6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,402,890:71:0**
1581	**0**	**56**	**01:58:56.533**	**20FN6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,402,890:86:0**
1582	**0**	**56**	**01:59:10.533**	**20FN5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,402,891:16:0**
1583	**0**	**56**	**01:59:13.866**	**20FN5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,402,891:21:0**
1584	**0**	**56**	**01:59:53.866**	**20FN4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**5,402,891:81:0**
1585	**0**	**56**	**02:00:53.866**	**20FN4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**5,402,892:80:0**
1586	**0**	**56**	**02:00:54.533**	**20FN4C**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**5,402,892:81:0**
1587	**0**	**56**	**02:02:55.200**	**20FN4D**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**2R0**	**4**	**0**	**5,402,894:80:0**
1588	**0**	**56**	**02:02:55.866**	**20FN4E**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**2R0**	**4**	**0**	**5,402,894:81:0**
1589	**0**	**56**	**02:06:58.533**	**20FN4F**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**5,402,898:81:0**
1590	0	56	02:07:04.533	488AQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	260	4	0	5,402,898:90:0
1591	**0**	**56**	**02:07:59.200**	**20FN4G**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**2O0**	**4**	**0**	**5,402,899:81:0**
1592	**0**	**56**	**02:08:59.866**	**20FN4H**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2O0**	**4**	**0**	**5,402,900:81:0**
1593	**0**	**56**	**02:10:11.333**	**27NNRELOAD01-**		**-----STOP-------**		**2O0**	**4**	**0**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	0	56	02:45:43.200	488AQ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,402,937:19:0	
1595	0	56	02:54:36.533	176TB6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,402,946:00:0	
1596	0	56	02:59:59.866		DMS:	: READY	RDY, TRACK 2, REV, TIC 3427.38 +/- 6	2O0	4	0	5,402,951:30:0	
1597	**0**	**56**	**03:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**5,402,951:30:2**	
1598	**0**	**56**	**03:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**5,402,951:30:2**	
1599	**0**	**56**	**03:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,402,951:30:2**	
1600	**0**	**56**	**03:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,402,951:30:2**	
1601	**0**	**56**	**03:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**5,402,951:30:2**	
1602	**0**	**56**	**03:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**5,402,951:30:2**	
1603	**0**	**56**	**03:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**5,402,951:30:2**	
1604	**0**	**56**	**03:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,402,951:30:2**	
1605	**0**	**56**	**03:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**5,402,951:30:2**	
1606	**0**	**71**	**02:00:25.800**	**27NNPCTRLT01-**		**-----START------**					**: :**	
1607	**0**	**71**	**09:50:35.800**	**27NNPCTRLT01-**		**-----STOP-------**					**: :**	
1608	**0**	**72**	**10:00:31.733**	**27NNRCTRLT01-**		**-----START------**					**: :**	
1609	**0**	**72**	**23:16:16.399**	**27NNRCTRLT01-**		**-----STOP-------**					**: :**	

			Sequence:	I27BDD		Created: 02/24/00	Begin: 00-057/20:00:00 Finish: 00-138/10:00:00				
Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	0	57	19:59:59.800		DMS:	: READY	RDY, TRACK 2, REV, TIC 3427.38 +/- 6				5,405,384:27:0
2	0	57	20:00:00.000	20A3FD	40HRPR	Initial Condition	RCT Heater OFF (primary relay)				5,405,384:27:3
3	0	57	20:00:00.000	20A3FB	37F2PR	Initial Condition	Shield Flash Heater OFF (primary relay)				5,405,384:27:3
4	0	57	20:00:00.000	20A3FA	37F1PR	Initial Condition	Radiator Flash Heater OFF (primary relay)				5,405,384:27:3
5	0	57	20:00:00.000	20A3EZ	37C2PR	Initial Condition	Optics Heater 2 OFF (primary relay)				5,405,384:27:3
6	0	57	20:00:00.000	20A3EY	37C1PR	Initial Condition	Optics Heater 1 OFF (primary relay)				5,405,384:27:3
7	0	57	20:00:00.000	20A3EX	37HR	Initial Condition	Replacement Heaters OFF				5,405,384:27:3
8	0	57	20:00:00.000	20A3FF	40T2R	Initial Condition	PCT Heater 2 OFF				5,405,384:27:3
9	0	57	20:00:00.000	20A3FE	40T1PR	Initial Condition	PCT Heater 1 OFF (primary relay)				5,405,384:27:3
10	0	57	20:00:00.000	20A3EW	37AR	Initial Condition	NIMS Power OFF				5,405,384:27:3
11	0	57	20:00:41.133	432JA6B	6RTDS2	NIMDSL,AACDSL,RT	NIMS R/T DESELECTAACS DESELECT				5,405,384:89:0
12	0	57	20:00:41.800	432JA431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o				5,405,384:90:0
13	0	57	20:00:42.466	432JA6C	6RTSL1		R/T Select of DDS and				5,405,385:00:0
14	0	57	20:02:30.466	20OA6A	6HICON						5,405,386:71:0
15	0	57	20:02:59.800	488AE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan				5,405,387:24:0
16	0	57	20:07:47.133	465KZ6A	6DMSC	RDY,2	DMS Control Tape stop				5,405,392:00:0
17	0	57	20:09:48.466	176TE6A	6TMREC	IPB	INITIATE PLAYBACK (PB CONTROL) Record Mod				5,405,394:00:0
18	0	57	20:21:09.800	20ZU3Q	37HR	1	Replacement Heaters OFF				5,405,405:21:0
19	0	57	20:21:11.800	20ZU3S	37HR	2	Replacement Heaters OFF				5,405,405:24:0
20	0	57	20:21:37.800	20ZU3R	37A	1	NIMS Power ON PHASE 0	260	4	0	5,405,405:63:0
21	0	57	20:21:39.800	20ZU3T	37A	2	NIMS Power ON	260	4	0	5,405,405:66:0
22	0	57	20:23:39.133	20ZU4A	37IST	1,1,0,OFF,0,0,0	Chopper OFF, N/A, 63Hz (Ref)	2O0	4	0	5,405,407:63:0
23	0	57	21:35:04.466	488AF6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,405,478:30:0
24	0	57	22:04:10.466	488AF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,405,507:10:0
25	0	57	23:48:48.466	488AF6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,405,610:54:0
26	0	58	01:37:54.466	488AF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,405,718:45:0
27	0	58	03:04:21.133	488AF6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,405,803:90:0
28	0	58	06:41:57.733	488AG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,406,019:19:0
29	0	58	08:37:09.733	488AG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,406,133:13:0
30	0	58	09:19:35.066	488AG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,406,175:09:0
31	0	58	09:21:57.733	488AG6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,406,177:41:0
32	0	58	09:32:37.733	488AG6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,406,188:00:0
33	0	59	00:44:34.400	488AH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,407,089:84:0
34	0	59	00:56:47.066	176UW6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	5,407,102:00:0
35	0	59	01:01:59.733	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,407,107:14:0
36	0	59	01:02:59.733	20UQ4D	7MODE	SPNL	AACS ALL-SPIN LOW	2O0	4	0	5,407,108:13:0
37	0	59	01:04:53.066	488AH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,407,110:01:0
38	0	59	01:04:59.733	20UQ4E	7SAFE	UNSTOW	S/P TO 153 deg cone	2O0	4	0	5,407,110:11:0
39	0	59	01:10:29.733	20UQ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	5,407,115:51:0
40	0	59	01:10:30.400	20UQ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	5,407,115:52:0
41	0	59	01:10:50.400	20UQ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	5,407,115:82:0
42	0	59	01:10:51.066	20UQ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	5,407,115:83:0
43	0	59	01:11:11.066	20UQ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,407,116:22:0
44	0	59	01:11:11.733	20UQ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,407,116:23:0
45	0	59	01:11:21.733	20UQ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	5,407,116:38:0
46	0	59	01:11:22.400	20UQ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	5,407,116:39:0
47	0	59	01:11:32.400	20UQ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	5,407,116:54:0
48	0	59	01:11:33.066	20UQ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	5,407,116:55:0
49	0	59	01:13:19.733	20UQ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	5,407,118:33:0
50	0	59	01:13:20.400	20UQ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	5,407,118:34:0
51	0	59	01:13:40.400	20UQ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	5,407,118:64:0
52	0	59	01:13:41.066	20UQ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	5,407,118:65:0
53	0	59	01:14:01.066	20UQ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,407,119:04:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	0	59	01:14:01.733	20UQ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,407,119:05:0	
55	0	59	01:14:11.733	20UQ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	5,407,119:20:0	
56	0	59	01:14:12.400	20UQ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	5,407,119:21:0	
57	0	59	01:14:22.400	20UQ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	5,407,119:36:0	
58	0	59	01:14:23.066	20UQ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	5,407,119:37:0	
59	0	59	01:15:19.733	20UQ4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	5,407,120:31:0	
60	0	59	01:40:03.733	20UW4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	5,407,144:73:0	
61	0	59	01:40:53.733	20UW4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	5,407,145:57:0	
62	0	59	01:42:17.066	176UX6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	5,407,147:00:0	
63	0	59	03:10:45.066	488AH6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	5,407,234:45:0	
64	0	59	06:27:01.066	488AH6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	5,407,428:55:0	
65	0	59	08:32:53.066	488AI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,407,553:08:0	
66	0	59	09:15:52.400	488AI6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,407,595:55:0	
67	0	59	10:24:31.733	488AI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,407,663:46:0	
68	0	59	11:52:30.400	488AI6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,407,750:47:0	
69	0	59	12:26:09.733	488AI6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	5,407,783:73:0	
70	0	59	19:47:01.666	488AJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	5,408,219:75:0	
71	**0**	**59**	**20:24:03.666**	**20ZF5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**5,408,256:41:0**	
72	**0**	**59**	**20:24:10.333**	**20ZF5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**5,408,256:51:0**	
73	**0**	**59**	**20:24:17.000**	**20ZF6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**5,408,256:61:0**	
74	**0**	**59**	**20:24:27.000**	**20ZF6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**5,408,256:76:0**	
75	**0**	**59**	**20:24:37.000**	**20ZF5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**5,408,257:00:0**	
76	**0**	**59**	**20:24:38.333**	**20ZF5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**5,408,257:02:0**	
77	**0**	**59**	**20:24:49.666**	**20ZF4A**	**37IST**	**1,1,0,OFF,0,1,1**	**Chopper OFF, N/A, 63Hz (Ref)Gain State 4**	**4O0**	**4**	**0**	**5,408,257:19:0**	
78	0	59	20:31:49.666	488AJ6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,408,264:12:0	
79	0	59	20:37:29.666	488AJ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,408,269:67:0	
80	0	59	20:55:17.666	488AJ6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,408,287:31:0	
81	0	59	23:59:59.000	431MA6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	5,408,470:00:0	
82	0	60	05:16:45.000	488AK6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,408,783:26:0	
83	**0**	**60**	**06:00:00.333**	**480EO6A**	**6MROH**	**17,68EF,14,B2**	**read from B1A2B17,68EF,14,B**	**4O0**	**4**	**0**	**5,408,826:06:0**	
84	0	60	06:07:49.000	488AK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,408,833:72:0	
85	0	60	08:22:13.000	488AK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,408,966:65:0	
86	0	60	09:14:31.666	488AK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,409,018:41:0	
87	0	60	09:17:41.000	488AK6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,409,021:52:0	
88	0	60	09:28:21.000	488AL6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,409,032:11:0	
89	0	61	00:14:19.600	488AM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,409,908:33:0	
90	0	61	01:04:53.600	488AM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,409,958:34:0	
91	0	61	03:40:37.600	488AM6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,410,112:36:0	
92	0	61	05:42:12.933	488AM6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,410,232:59:0	
93	0	61	08:17:56.933	488AN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,410,386:61:0	
94	0	61	09:09:27.600	488AN6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,410,437:56:0	
95	0	61	09:11:16.933	488AN6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,410,439:38:0	
96	0	61	09:26:12.933	488AN6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,410,454:17:0	
97	0	61	15:17:27.600	488AO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,410,801:52:0	
98	0	61	17:21:56.933	488AO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,410,924:63:0	
99	0	61	20:12:36.933	488AO6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,411,093:44:0	
100	0	61	20:27:34.266	488AO6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,411,108:25:0	
101	0	61	20:36:04.933	488AO6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,411,116:63:0	
102	0	62	00:19:32.933	488AP6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,411,337:64:0	
103	0	62	00:24:20.933	488AP6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,411,342:41:0	
104	0	62	00:54:12.933	488AP6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,411,371:90:0	
105	0	62	01:32:48.933	488AP6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,411,410:15:0	
106	0	62	02:06:28.266	488AP6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,411,443:41:0	
107	0	62	08:22:13.533	488AQ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,411,815:07:0	
108	0	62	08:56:16.866	488AQ6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,411,848:69:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	0	62	09:02:45.533	488AQ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,411,855:15:0	
110	0	62	09:17:41.533	488AQ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,411,869:85:0	
111	0	62	15:17:20.866	488AR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,412,225:58:0	
112	0	62	16:56:20.866	488AR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,412,323:50:0	
113	0	62	20:06:12.866	488AR6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,412,511:30:0	
114	0	62	20:28:22.200	488AR6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,412,533:22:0	
115	0	62	20:40:20.866	488AR6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,412,545:08:0	
116	0	63	00:19:05.533	488AS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,412,761:39:0	
117	0	63	01:09:08.866	488AS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,412,810:85:0	
118	0	63	08:03:00.866	488AT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,413,220:23:0	
119	0	63	09:00:23.533	488AT6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,413,277:00:0	
120	0	63	09:09:08.866	488AT6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,413,285:60:0	
121	0	63	15:56:37.466	488AU6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,413,688:60:0	
122	0	63	16:04:00.133	488AU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,413,695:87:0	
123	0	63	20:01:57.466	488AU6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,413,931:27:0	
124	0	63	20:23:15.466	488AU6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,413,952:33:0	
125	0	63	20:33:57.466	488AU6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,413,962:86:0	
126	0	64	00:18:58.133	488AV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,414,185:44:0	
127	0	64	01:09:08.800	488AV6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,414,235:10:0	
128	0	64	07:52:20.800	488AW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,414,633:80:0	
129	0	64	09:02:44.800	488AW6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,414,703:46:0	
130	0	64	09:32:36.800	488AW6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,414,733:04:0	
131	0	64	10:19:32.800	488AW6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,414,779:42:0	
132	0	64	10:28:05.466	488AW6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,414,787:83:0	
133	0	64	11:01:44.133	488AX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,414,821:17:0	
134	0	64	19:02:12.800	488AY6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,415,296:35:0	
135	0	64	20:06:12.800	488AY6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,415,359:62:0	
136	0	64	20:16:54.066	488AY6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,415,370:23:0	
137	0	64	20:33:57.400	488AY6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,415,387:11:0	
138	0	65	00:18:51.400	488AY6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,415,609:50:0	
139	0	65	01:09:09.400	488AZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,415,659:27:0	
140	0	65	07:45:56.733	488BA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,416,051:66:0	
141	0	65	08:56:20.733	488BA6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,416,121:32:0	
142	0	65	09:30:28.733	488BA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,416,155:10:0	
143	0	65	19:51:16.733	488BB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,416,769:08:0	
144	0	65	20:18:32.733	488BB6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,416,796:05:0	
145	0	65	20:21:08.733	488BB6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,416,798:57:0	
146	0	65	20:36:04.733	488BB6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,416,813:36:0	
147	0	66	00:00:04.733	488BB6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,417,015:14:0	
148	0	66	00:09:24.733	488BC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,417,024:35:0	
149	0	66	01:13:24.733	488BC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,417,087:62:0	
150	0	66	07:37:25.333	488BD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,417,467:43:0	
151	0	66	08:52:05.333	488BD6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,417,541:29:0	
152	0	66	09:21:57.333	488BD6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,417,570:78:0	
153	0	66	10:08:53.333	488BD6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,417,617:25:0	
154	0	66	10:10:00.666	488BD6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,417,618:35:0	
155	0	67	08:53:56.000	488BE6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,418,967:29:0	
156	0	67	08:58:28.666	488BE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,418,971:74:0	
157	0	67	09:28:20.666	488BE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,419,001:32:0	
158	0	67	19:36:21.266	488BF6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,419,602:62:0	
159	0	67	20:10:29.266	488BF6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,419,636:40:0	
160	0	67	20:11:34.600	488BF6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,419,637:47:0	
161	0	67	20:29:41.266	488BF6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,419,655:39:0	
162	0	68	00:19:51.266	488BF6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,419,883:06:0	
163	0	68	01:13:24.600	488BG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,419,936:03:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
164	0	68	01:48:29.933	488BG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,419,970:67:0
165	0	68	02:22:09.266	488BG6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,420,004:02:0
166	0	68	07:22:28.600	488BH6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,420,301:04:0
167	0	68	08:26:28.600	488BH6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,420,364:31:0
168	0	68	08:36:30.600	488BH6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,420,374:24:0
169	0	68	08:54:12.600	488BH6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,420,391:70:0
170	0	68	17:08:26.600	488BI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,420,880:52:0
171	0	68	19:32:04.600	488BI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,421,022:57:0
172	0	68	20:06:13.200	488BI6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,421,056:36:0
173	0	68	20:11:27.200	488BI6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,421,061:52:0
174	0	68	20:29:41.200	488BI6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,421,079:55:0
175	0	69	02:36:37.866	488BJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,421,442:47:0
176	0	69	07:11:48.533	488BJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,421,714:61:0
177	0	69	08:36:56.533	488BK6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,421,798:79:0
178	0	69	08:37:08.533	488BK6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,421,799:06:0
179	0	69	09:07:00.533	488BK6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,421,828:55:0
180	0	69	16:18:20.533	488BL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,422,255:18:0
181	0	69	17:48:33.200	488BL6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,422,344:38:0
182	0	69	17:56:04.533	488BL6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,422,351:78:0
183	0	69	18:23:39.866	488BL6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,422,379:13:0
184	0	69	19:32:04.533	488BL6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,422,446:73:0
185	0	69	20:04:53.866	488BM6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,422,479:24:0
186	0	69	20:16:52.533	488BM6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,422,491:10:0
187	0	69	20:53:08.533	488BM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,422,526:89:0
188	0	70	00:03:18.533	488BM6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,422,715:05:0
189	0	70	01:24:04.533	488BM6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,422,794:85:0
190	0	70	01:52:59.866	488BN6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,422,823:49:0
191	0	70	01:56:29.866	176UA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,422,827:00:0
192	0	70	02:05:59.866	20RP4C	7STAT	10.00,215.39,-13	Stator inertial point	4O0	4	0	5,422,836:36:0
193	**0**	**70**	**02:06:11.866**	**20RP6D**	**6MROH**	**7,6744,0,A10**	**read from AACSA7,6744,0,A10**	**4O0**	**4**	**0**	**5,422,836:54:0**
194	0	70	02:25:01.866	490UA412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,422,855:20:0
195	0	70	02:29:59.866	490UA412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,422,860:12:0
196	0	70	02:30:19.866	20RP4D	7STAT	17.45,215.39,-13	Stator inertial point	4O0	4	0	5,422,860:42:0
197	0	70	02:34:09.866	490UA412A4E	7VECT		Inert vect update UTC	4O0	4	0	5,422,864:23:0
198	0	70	02:34:13.866	490UA412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	5,422,864:29:0
199	0	70	02:38:01.866	490UA412A406A4A	7VECT		Inert vect update UTC	4O0	4	0	5,422,868:07:0
200	0	70	02:38:03.866	490UA412A406A4B	7STAR	11,610,278.81	Star catalog update	4O0	4	0	5,422,868:10:0
201	0	70	02:38:05.866	490UA412A406A4C	7STAR	2,714,297.09	Star catalog update	4O0	4	0	5,422,868:13:0
202	0	70	02:38:07.866	490UA412A406A4D	7STAR	3,395,305.43	Star catalog update	4O0	4	0	5,422,868:16:0
203	0	70	02:38:09.866	490UA412A406A4E	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	5,422,868:19:0
204	0	70	02:38:11.866	490UA412A406A4F	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	5,422,868:22:0
205	0	70	02:38:13.866	490UA412A406A4G	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	5,422,868:25:0
206	0	70	02:48:05.866	20RP4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,422,878:03:0
207	0	70	02:56:09.866	490UA412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,422,886:01:0
208	0	70	04:30:03.800	20US4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,422,978:80:0
209	0	70	04:30:53.800	20US4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,422,979:64:0
210	0	70	04:30:59.800	488BN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,422,979:73:0
211	0	70	04:32:12.466	176UB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,422,981:00:0
212	0	70	07:01:09.133	488BN6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,423,128:28:0
213	0	70	08:30:45.133	488BO6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,423,216:84:0
214	0	70	08:32:53.800	488BO6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,423,219:04:0
215	0	70	08:41:25.133	488BO6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,423,227:43:0
216	0	70	09:17:41.133	488BO6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,423,263:31:0
217	0	70	11:18:15.133	488BO6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,423,382:53:0
218	0	70	19:21:24.466	488BP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,423,860:39:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
219	0	70	20:01:38.466	488BP6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,423,900:20:0
220	0	70	20:01:56.466	488BP6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,423,900:47:0
221	0	70	20:19:00.466	488BP6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,423,917:36:0
222	0	71	00:08:12.466	488BP6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,424,144:07:0
223	0	71	01:19:48.466	488BQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,424,214:81:0
224	**0**	**71**	**02:00:25.800**	**27NNPCTRLT01-**		**-----START------**		**4O0**	**4**	**0**	**: :**
225	0	71	07:01:08.466	488BQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,424,552:43:0
226	0	71	08:04:21.800	176FB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,424,615:00:0
227	0	71	08:07:30.466	444FB443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,424,618:10:0
228	0	71	08:11:30.466	444FB443A4B	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,424,622:06:0
229	0	71	08:20:30.466	444FB443A4C	**7CLK**	**17.45,0.0**	Check S/P Position	4O0	4	0	5,424,630:88:0
230	0	71	08:23:29.800	125FB	NIMSINIT	GS	##### GROUP START INIT	4O0	4	0	5,424,633:84:0
231	**0**	**71**	**08:23:29.800**	**125FB4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**5,424,633:84:0**
232	**0**	**71**	**08:24:30.466**	**125FB4B**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**5,424,634:84:0**
233	0	71	08:25:31.133	125FB11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	5,424,635:84:0
234	**0**	**71**	**08:25:31.133**	**125FB4C**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**5,424,635:84:0**
235	0	71	08:26:28.466	488BR6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R0	4	0	5,424,636:79:0
236	0	71	08:28:33.133	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,424,638:84:0
237	**0**	**71**	**08:28:33.133**	**127FB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**5,424,638:84:0**
238	**0**	**71**	**08:28:33.800**	**127FB4B**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**5,424,638:85:0**
239	0	71	08:28:41.800	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,424,639:06:0
240	**0**	**71**	**08:28:57.800**	**432FB6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**5,424,639:30:0**
241	**0**	**71**	**08:30:57.800**	**432FC6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**5,424,641:28:0**
242	0	71	08:31:39.800	192FC4A	**7CONE**	**17.0,54.88**	Check S/P Position	4R3	4	0	5,424,642:00:0
243	0	71	08:31:40.466	192FC4B	**7CLK**	**17.0,244.07**	Check S/P Position	4R3	4	0	5,424,642:01:0
244	**0**	**71**	**08:35:01.800**	**432FD6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**5,424,645:30:0**
245	0	71	08:37:08.466	488BR6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	5,424,647:38:0
246	**0**	**71**	**08:45:07.133**	**432FE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**5,424,655:28:0**
247	**0**	**71**	**08:45:44.466**	**127FE4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**5,424,655:84:0**
248	0	71	08:45:44.466	127FE	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,424,655:84:0
249	**0**	**71**	**08:45:45.133**	**127FE4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**5,424,655:85:0**
250	0	71	08:45:53.133	127FE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	5,424,656:06:0
251	0	71	08:45:53.133	20FE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R0	4	0	5,424,656:06:0
252	**0**	**71**	**08:47:45.800**	**125FE4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**5,424,657:84:0**
253	0	71	08:47:45.800	125FE	NIMSINIT	GS	##### GROUP START INIT	460	4	0	5,424,657:84:0
254	**0**	**71**	**08:48:46.466**	**125FE4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**5,424,658:84:0**
255	0	71	08:49:47.133	125FE11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	5,424,659:84:0
256	**0**	**71**	**08:49:47.133**	**125FE4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4O0**	**4**	**0**	**5,424,659:84:0**
257	0	71	08:50:59.133	444FF443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,424,661:10:0
258	0	71	08:54:12.466	488BR6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,424,664:27:0
259	0	71	08:54:59.133	444FF443A4B	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,424,665:06:0
260	0	71	09:09:12.466	20FH4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,424,679:12:0
261	0	71	09:10:02.466	20FH4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,424,679:87:0
262	0	71	09:11:05.800	176FH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,424,681:00:0
263	0	71	09:24:04.466	488BR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,424,693:76:0
264	**0**	**71**	**09:50:35.800**	**27NNPCTRLT01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**
265	0	71	19:21:25.066	488BS6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,425,284:56:0
266	0	71	19:55:33.066	488BS6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,425,318:34:0
267	0	71	19:56:09.066	488BS6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,425,318:88:0
268	0	71	20:14:45.066	488BS6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,425,337:33:0
269	0	72	01:10:38.400	176XU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,425,630:00:0
270	0	72	01:13:44.400	20XE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,425,633:06:0
271	0	72	01:14:25.733	488BS6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,425,633:68:0
272	0	72	01:17:51.066	20DA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,425,637:12:0
273	0	72	01:18:41.066	20DA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,425,637:87:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
274	0	72	01:20:45.066	176XV6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,425,640:00:0
275	0	72	01:21:45.733	185XE10A3A	40HRP	1	RCT Heater ON (primary relay)	4O0	4	0	5,425,641:00:0
276	0	72	01:21:51.066	185XE10B3A	40HRP	2	RCT Heater ON (primary relay)	4O0	4	0	5,425,641:08:0
277	0	72	01:24:04.400	488BT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,425,643:26:0
278	0	72	02:43:55.066	488BT6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,425,722:23:0
279	0	72	03:17:34.400	488BT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,425,755:49:0
280	0	72	07:01:08.400	488BT6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,425,976:59:0
281	0	72	08:11:32.400	488BU6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,426,046:25:0
282	0	72	08:47:48.400	488BU6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,426,082:13:0
283	0	72	09:19:48.400	488BU6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,426,113:72:0
284	0	72	09:58:57.066	488BU6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,426,152:46:0
285	0	72	10:00:31.733	27NNRCTRLT01-		-----START------		4O0	4	0	: :
286	0	72	10:32:36.400	488BU6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,426,185:72:0
287	0	72	13:16:32.400	125XE4A	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	460	4	0	5,426,347:84:0
288	0	72	13:16:32.400	125XE	NIMSINIT	GS	##### GROUP START INIT	460	4	0	5,426,347:84:0
289	0	72	13:17:33.066	125XE4B	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	4R0	4	0	5,426,348:84:0
290	0	72	13:18:33.733	125XE4C	37IST	0,2,0,OFF,0,1,3	Gain State 1	1R0	4	0	5,426,349:84:0
291	0	72	13:19:34.400	125XE11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	5,426,350:84:0
292	0	72	13:19:34.400	125XE4D	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	1R0	4	0	5,426,350:84:0
293	0	72	13:21:35.733	127XE	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	5,426,352:84:0
294	0	72	13:21:35.733	127XE4A	37IOP	3,0	Long Map, Grating Start Position =00	1R3	4	0	5,426,352:84:0
295	0	72	13:21:36.400	127XE4B	37ETB	0A,CA,18,03,FF,1	Loads wavelength edit table	1R3	4	0	5,426,352:85:0
296	0	72	13:21:44.400	127XE11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	5,426,353:06:0
297	0	72	13:25:43.066	176XE6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	5,426,357:00:0
298	0	72	13:31:47.066	192XE4A	7CONE	17.0,119.7	Check S/P Position	1R3	4	0	5,426,363:00:0
299	0	72	13:34:08.400	432XE6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	1R3	4	0	5,426,365:30:0
300	0	72	13:35:07.733	432XF6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	1R3	4	0	5,426,366:28:0
301	0	72	13:37:51.066	192XE4B	7CONE	17.0,0.0	Check S/P Position	1R3	4	0	5,426,369:00:0
302	0	72	13:40:12.400	432XU6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	1R3	4	0	5,426,371:30:0
303	0	72	13:42:12.400	432XV6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	1R3	4	0	5,426,373:28:0
304	0	72	13:43:55.066	192XE4C	7CONE	17.0,119.7	Check S/P Position	1R3	4	0	5,426,375:00:0
305	0	72	13:45:56.400	185XE10C3A	40HRPR	1	RCT Heater OFF (primary relay)	1R3	4	0	5,426,377:00:0
306	0	72	13:46:01.733	185XE10D3A	40HRPR	2	RCT Heater OFF (primary relay)	1R3	4	0	5,426,377:08:0
307	0	72	13:46:16.400	432XW6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	1R3	4	0	5,426,377:30:0
308	0	72	13:47:15.733	432XY6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	1R3	4	0	5,426,378:28:0
309	0	72	13:48:53.733	125DC	NIMSINIT	GS	##### GROUP START INIT	1R3	4	0	5,426,379:84:0
310	0	72	13:48:53.733	125DC11A	NIMSINIT	GE	##### GROUP END INIT	1R3	4	0	5,426,379:84:0
311	0	72	13:48:53.733	125DC4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R3	4	0	5,426,379:84:0
312	0	72	13:49:54.400	127DC4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,426,380:84:0
313	0	72	13:49:54.400	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,426,380:84:0
314	0	72	13:49:55.066	127DC4B	37ETB	07,C7,31,80,00,0	Loads wavelength edit table	4R3	4	0	5,426,380:85:0
315	0	72	13:49:59.066	192XE4D	7CONE	17.0,153.0	Check S/P Position	4R3	4	0	5,426,381:00:0
316	0	72	13:50:03.066	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,426,381:06:0
317	0	72	13:50:19.066	432DC6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	5,426,381:30:0
318	0	72	13:50:55.066	125DD11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,426,381:84:0
319	0	72	13:50:55.066	125DD	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,426,381:84:0
320	0	72	13:50:55.066	125DD4A	37IST	0,2,1,OFF,1,0,1	OPCAL	4R3	4	0	5,426,381:84:0
321	0	72	13:52:56.400	125DE11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,426,383:84:0
322	0	72	13:52:56.400	125DE	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,426,383:84:0
323	0	72	13:52:56.400	125DE4A	37IST	0,2,1,OFF,1,0,1	OPCAL	4R3	4	0	5,426,383:84:0
324	0	72	13:53:19.733	432DE6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	5,426,384:28:0
325	0	72	13:56:59.066	127XF4A	37IOP	0,0	Safe, Grating Start Position =00	4R0	4	0	5,426,387:84:0
326	0	72	13:56:59.066	127XF	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,426,387:84:0
327	0	72	13:56:59.733	127XF4B	37ETB	04,C4,02,00,00	Loads wavelength edit table	4R0	4	0	5,426,387:85:0
328	0	72	13:57:07.733	127XF11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	5,426,388:06:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	0	72	14:00:01.066	125XF	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	5,426,390:84:0	
330	**0**	**72**	**14:00:01.066**	**125XF4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**5,426,390:84:0**	
331	**0**	**72**	**14:01:01.733**	**125XF4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**5,426,391:84:0**	
332	**0**	**72**	**14:02:02.400**	**125XF4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**5,426,392:84:0**	
333	0	72	14:02:02.400	125XF11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	5,426,392:84:0	
334	0	72	14:18:25.733	20DB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,426,409:12:0	
335	0	72	14:19:15.733	20DB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,426,409:87:0	
336	0	72	14:21:19.733	176XF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,426,412:00:0	
337	0	72	15:29:23.066	488BV6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,426,479:28:0	
338	**0**	**72**	**23:16:16.399**	**27NNRCTRLT01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
339	0	73	00:47:59.666	488BW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,427,031:71:0	
340	0	73	01:09:09.000	488BW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,427,052:64:0	
341	0	73	07:01:08.333	488BX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,427,400:75:0	
342	0	73	08:20:04.333	488BX6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,427,478:81:0	
343	0	73	08:24:46.333	488BX6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,427,483:49:0	
344	0	73	08:30:44.333	488BX6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,427,489:40:0	
345	0	73	08:45:40.333	488BX6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,427,504:19:0	
346	0	73	11:17:57.666	488BY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,427,654:75:0	
347	0	73	19:15:00.333	488BZ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,428,126:57:0	
348	0	73	19:51:16.333	488BZ6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,428,162:45:0	
349	0	73	19:55:57.666	488BZ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,428,167:12:0	
350	0	73	20:12:36.333	488BZ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,428,183:54:0	
351	0	74	05:16:05.600	488CA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,428,721:10:0	
352	0	74	06:54:44.933	488CA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,428,818:62:0	
353	0	74	08:20:04.933	488CA6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,428,903:07:0	
354	0	74	08:58:28.933	488CA6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,428,941:05:0	
355	0	74	09:57:04.266	488CA6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,428,999:00:0	
356	0	74	10:23:48.933	488CB6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,429,025:41:0	
357	0	74	10:32:08.266	488CB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,429,033:62:0	
358	0	74	18:06:44.266	488CC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,429,483:26:0	
359	0	74	19:25:40.266	488CC6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,429,561:32:0	
360	0	74	19:48:26.933	488CC6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,429,583:80:0	
361	0	74	19:59:48.266	488CC6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,429,595:10:0	
362	0	74	20:36:04.266	488CC6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,429,630:89:0	
363	0	75	01:01:01.600	488CD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,429,893:02:0	
364	0	75	06:54:44.266	488CD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,430,242:77:0	
365	0	75	08:15:48.266	488CE6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,430,323:02:0	
366	0	75	08:19:04.266	488CE6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,430,326:23:0	
367	0	75	08:26:28.266	488CE6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,430,333:52:0	
368	0	75	09:02:44.266	488CE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,430,369:40:0	
369	0	75	16:17:44.200	488CF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,430,799:60:0	
370	**0**	**75**	**18:34:48.866**	**20ZC6A**	**6MCOPY**	**B1A1A,5018,UVS,0**	**B1A1A,5018,UVS,0118,01FF**	**4O0**	**4**	**0**	**5,430,935:21:0**	
371	**0**	**75**	**19:05:08.866**	**20ZC6B**	**6MCOPY**	**B1A1A,5118,UVS,0**	**B1A1A,5118,UVS,0118,01FF**	**4O0**	**4**	**0**	**5,430,965:21:0**	
372	0	75	19:15:00.866	488CF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,430,974:90:0	
373	0	75	19:47:56.866	488CF6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,431,007:51:0	
374	0	75	19:51:16.866	488CF6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,431,010:78:0	
375	0	75	20:06:12.866	488CF6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,431,025:57:0	
376	0	76	01:47:42.200	488CG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,431,363:33:0	
377	0	76	03:19:19.533	488CG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,431,453:89:0	
378	0	76	03:52:58.200	488CG6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,431,487:23:0	
379	0	76	07:01:08.200	488CG6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,431,673:32:0	
380	0	76	08:00:52.200	488CH6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,431,732:39:0	
381	0	76	08:06:32.866	488CH6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,431,738:04:0	
382	0	76	08:20:04.200	488CH6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,431,751:38:0	
383	0	76	08:56:20.200	488CH6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,431,787:26:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
384	**0**	**76**	**12:59:57.533**	**20ZD6A**	**6MCOPY**	**B1A1A,5218,UVS,0**	**B1A1A,5218,UVS,0118,01FF**	**4O0**	**4**	**0**	**5,432,028:21:0**
385	**0**	**76**	**13:30:17.533**	**20ZD6B**	**6MCOPY**	**B1A1A,5318,UVS,0**	**B1A1A,5318,UVS,0118,01FF**	**4O0**	**4**	**0**	**5,432,058:21:0**
386	0	77	02:00:49.466	488CI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,432,800:47:0
387	**0**	**77**	**03:07:06.133**	**20ZD6C**	**6MROH**	**17,5000,31,B2**	**read from B1A2B17,5000,31,B**	**4O0**	**4**	**0**	**5,432,866:06:0**
388	0	77	06:54:44.133	488CI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,433,091:18:0
389	0	77	08:06:38.133	488CJ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,433,162:28:0
390	0	77	08:11:32.133	488CJ6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,433,167:14:0
391	0	77	08:47:48.133	488CJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,433,203:02:0
392	0	77	12:17:34.133	488CJ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,433,410:44:0
393	0	77	19:10:44.133	488CK6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,433,819:10:0
394	0	77	19:39:10.800	488CK6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,433,847:22:0
395	0	77	19:44:52.133	488CK6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,433,852:79:0
396	0	77	19:59:48.133	488CK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,433,867:58:0
397	0	77	23:27:31.466	488CK6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,434,073:07:0
398	0	78	00:39:16.133	488CL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,434,144:03:0
399	0	78	06:54:44.733	488CM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,434,515:35:0
400	0	78	08:09:24.733	488CM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,434,589:21:0
401	0	78	08:47:48.733	488CM6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,434,627:19:0
402	0	78	19:10:44.066	488CN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,435,243:26:0
403	0	78	19:37:31.400	488CN6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,435,269:71:0
404	0	78	19:40:36.066	488CN6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,435,272:75:0
405	0	78	23:27:46.733	488CN6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,435,497:46:0
406	0	78	23:33:08.066	488CN6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,435,502:73:0
407	0	79	00:28:36.066	488CO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,435,557:60:0
408	0	79	00:49:35.400	488CO6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,435,578:38:0
409	0	79	01:23:14.733	488CO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,435,611:64:0
410	0	79	07:01:08.066	488CP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,435,945:80:0
411	0	79	07:54:28.066	488CP6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,435,998:57:0
412	0	79	08:17:56.066	488CP6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,436,021:76:0
413	0	79	08:43:32.066	488CP6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,436,047:14:0
414	0	79	09:34:37.400	488CP6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,436,097:62:0
415	0	79	10:08:16.733	488CQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,436,130:88:0
416	0	79	19:04:20.666	488CR6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,436,661:13:0
417	0	79	19:37:28.000	488CR6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,436,693:82:0
418	0	79	19:40:36.666	488CR6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,436,697:01:0
419	0	79	19:55:32.666	488CR6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,436,711:71:0
420	0	80	00:17:20.666	488CR6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,436,970:64:0
421	0	80	00:28:36.000	488CS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,436,981:76:0
422	0	80	00:56:04.000	176UY6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,437,009:00:0
423	0	80	01:02:00.000	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,437,014:79:0
424	0	80	01:03:00.000	20UR4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,437,015:78:0
425	0	80	01:05:00.000	20UR4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,437,017:76:0
426	0	80	01:10:30.000	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,437,023:25:0
427	0	80	01:10:30.666	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,437,023:26:0
428	0	80	01:10:50.666	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,437,023:56:0
429	0	80	01:10:51.333	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,437,023:57:0
430	0	80	01:11:11.333	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,437,023:87:0
431	0	80	01:11:12.000	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,437,023:88:0
432	0	80	01:11:22.000	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,437,024:12:0
433	0	80	01:11:22.666	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,437,024:13:0
434	0	80	01:11:32.666	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,437,024:28:0
435	0	80	01:11:33.333	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,437,024:29:0
436	0	80	01:13:20.000	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,437,026:07:0
437	0	80	01:13:20.666	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,437,026:08:0
438	0	80	01:13:40.666	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,437,026:38:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
439	0	80	01:13:41.333	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,437,026:39:0
440	0	80	01:14:01.333	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,437,026:69:0
441	0	80	01:14:02.000	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,437,026:70:0
442	0	80	01:14:12.000	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,437,026:85:0
443	0	80	01:14:12.666	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,437,026:86:0
444	0	80	01:14:22.666	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,437,027:10:0
445	0	80	01:14:23.333	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,437,027:11:0
446	0	80	01:15:20.000	20UR4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,437,028:05:0
447	0	80	01:40:04.000	20UY4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,437,052:47:0
448	0	80	01:40:54.000	20UY4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,437,053:31:0
449	0	80	01:42:34.666	176UZ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,437,055:00:0
450	0	80	06:50:28.000	488CT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,437,359:46:0
451	0	80	07:50:12.000	488CT6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,437,418:53:0
452	0	80	08:17:56.000	488CT6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,437,446:01:0
453	0	80	08:37:08.000	488CT6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,437,465:00:0
454	0	80	19:04:20.000	488CU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,438,085:28:0
455	0	80	19:34:12.600	488CU6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,438,114:78:0
456	0	80	19:35:18.600	488CU6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,438,115:86:0
457	0	81	04:56:31.933	176VA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,438,671:00:0
458	0	81	05:02:35.933		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 3427.38 +/- 6	4O0	4	0	5,438,677:00:0
459	0	81	05:02:35.933	465WK6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	5,438,677:00:0
460	0	81	05:02:35.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3427.38 +/- 6	4O0	4	0	5,438,677:00:0
461	0	81	05:02:42.600		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 3427.38 +/- 6	4O0	4	0	5,438,677:10:0
462	0	81	05:02:44.000		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *3427.50 +/- 6	4O0	4	0	5,438,677:12:1
463	0	81	06:54:23.400		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/- 6	4O0	4	0	5,438,787:51:2
464	0	81	06:54:24.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/- 6	4O0	4	0	5,438,787:53:0
465	0	81	08:02:33.933	488CV6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,438,854:90:0
466	0	81	08:22:11.933	488CV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,438,874:37:0
467	0	81	09:21:55.933	488CV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,438,933:44:0
468	0	81	09:29:47.266	488CV6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,438,941:23:0
469	0	81	10:03:26.600	488CV6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,438,974:49:0
470	0	81	10:56:17.266		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/- 6	4O0	4	0	5,439,026:73:0
471	0	81	10:56:17.266	465WL6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,439,026:73:0
472	0	81	10:56:18.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/- 6	4O0	4	0	5,439,026:75:1
473	0	81	10:56:23.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/- 6	4O0	4	0	5,439,026:83:0
474	0	81	10:56:25.133		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/- 6	4O0	4	0	5,439,026:84:8
475	0	81	10:56:29.000		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/- 7	4O0	4	0	5,439,026:90:6
476	0	81	10:56:29.000		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/- 6	4O0	4	0	5,439,026:90:6
477	0	81	11:22:09.266	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,439,052:35:0
478	0	81	11:22:09.266		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/- 7	4O0	4	0	5,439,052:35:0
479	0	81	11:22:10.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/- 7	4O0	4	0	5,439,052:36:8
480	0	81	13:20:57.933		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/- 7	4O0	4	0	5,439,169:81:0
481	0	81	13:20:57.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/- 7	4O0	4	0	5,439,169:81:0
482	0	81	13:20:57.933	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	4O0	4	0	5,439,169:81:0
483	0	81	13:20:59.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/- 7	4O0	4	0	5,439,169:83:1
484	0	81	13:21:04.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/- 7	4O0	4	0	5,439,170:00:0
485	0	81	13:21:05.800		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/- 7	4O0	4	0	5,439,170:01:8
486	0	81	13:21:07.200		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/- 7	4O0	4	0	5,439,170:03:9
487	0	81	13:25:07.866		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/- 7	4O0	4	0	5,439,174:00:9
488	0	81	13:25:09.066		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/- 7	4O0	4	0	5,439,174:02:7
489	0	81	13:25:09.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 7	4O0	4	0	5,439,174:02:7
490	0	81	13:25:09.266	488CW6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	5,439,174:03:0
491	0	81	13:25:10.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,439,174:04:8
492	0	81	13:25:22.466		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,439,174:22:8
493	0	81	13:25:23.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,439,174:24:6

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
494	0	81	13:32:01.266	465WN6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,439,180:75:0
495	0	81	13:32:01.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,439,180:75:0
496	0	81	13:32:07.933		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,439,180:85:0
497	0	81	13:32:11.800		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	5,439,180:90:8
498	0	81	13:32:11.800		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	5,439,180:90:8
499	0	81	14:03:55.266	465WN6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	5,439,212:34:0
500	0	81	14:03:55.266		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	5,439,212:34:0
501	0	81	14:03:56.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	5,439,212:35:8
502	0	81	14:19:31.266	465WO6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,439,227:73:0
503	0	81	14:19:31.266		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	5,439,227:73:0
504	0	81	14:19:32.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	5,439,227:75:1
505	0	81	14:19:37.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	5,439,227:83:0
506	0	81	14:19:39.133		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	5,439,227:84:8
507	0	81	14:19:43.000		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	5,439,227:90:6
508	0	81	14:19:43.000		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	5,439,227:90:6
509	0	81	14:51:39.266	465WP6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,439,259:53:0
510	0	81	14:51:39.266		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	5,439,259:53:0
511	0	81	14:51:40.466		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	5,439,259:54:8
512	0	81	14:51:44.333		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	5,439,259:60:6
513	0	81	14:51:44.333		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	5,439,259:60:6
514	0	81	15:23:39.933		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	5,439,291:22:0
515	0	81	15:23:39.933	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,439,291:22:0
516	0	81	15:23:41.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	5,439,291:23:8
517	0	81	15:38:23.266		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	5,439,305:73:0
518	0	81	15:38:23.266	465WQ6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,439,305:73:0
519	0	81	15:38:24.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	5,439,305:75:1
520	0	81	15:38:29.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	5,439,305:83:0
521	0	81	15:38:31.133		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	5,439,305:84:8
522	0	81	15:38:35.000		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	5,439,305:90:6
523	0	81	15:38:35.000		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	5,439,305:90:6
524	0	81	16:10:30.600	465WR6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,439,337:52:0
525	0	81	16:10:30.600		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	5,439,337:52:0
526	0	81	16:10:31.800		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	5,439,337:53:8
527	0	81	16:10:35.666		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	5,439,337:59:6
528	0	81	16:10:35.666		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	5,439,337:59:6
529	0	81	16:11:36.600	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,439,338:60:0
530	0	81	16:11:36.600		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	5,439,338:60:0
531	0	81	16:11:37.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	5,439,338:61:8
532	0	81	16:11:59.266	488CW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,439,339:03:0
533	0	81	16:26:06.600		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	5,439,353:00:0
534	0	81	16:26:06.600	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,439,353:00:0
535	0	81	16:27:00.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	5,439,353:81:0
536	0	81	16:27:00.600		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	5,439,353:81:0
537	0	81	16:27:00.600	465WT6A	6DTRN	CMD,6DTRN,465WT6	DMS TRACK TURNAROUND	4O0	4	0	5,439,353:81:0
538	0	81	16:27:02.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	5,439,353:83:1
539	0	81	16:27:07.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	5,439,354:00:0
540	0	81	16:27:08.466		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	5,439,354:01:8
541	0	81	16:27:09.866		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	5,439,354:03:9
542	0	81	16:38:35.666		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,439,365:31:6
543	0	81	16:38:36.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,439,365:33:4
544	0	81	16:38:36.866		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,439,365:33:4
545	0	81	16:38:38.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,439,365:35:5
546	0	81	16:38:50.266		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,439,365:53:5
547	0	81	16:38:51.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,439,365:55:3
548	0	81	16:53:03.933	20VP4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,439,379:60:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
549	0	81	16:53:53.933	20VP4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,439,380:44:0
550	0	81	16:55:25.933	176VB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,439,382:00:0
551	0	81	18:15:15.933	488CW6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,439,460:87:0
552	0	81	19:14:59.933	488CW6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,439,520:03:0
553	0	81	19:20:13.266	488CW6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,439,525:18:0
554	0	81	19:38:27.933	488CX6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,439,543:22:0
555	0	82	05:00:22.533	488CY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,440,098:89:0
556	0	82	06:50:28.533	488CY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,440,207:79:0
557	0	82	07:28:29.200	488CY6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,440,245:42:0
558	0	82	16:02:07.200	488CZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,440,753:41:0
559	0	82	19:04:19.866	488CZ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,440,933:60:0
560	0	82	19:26:22.533	488CZ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,440,955:42:0
561	0	82	19:38:27.866	488CZ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,440,967:38:0
562	0	82	23:17:05.200	488DA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,441,183:58:0
563	0	83	00:13:39.866	488DA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,441,239:54:0
564	0	83	06:50:27.866	488DB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,441,632:03:0
565	0	83	07:52:26.533	488DB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,441,693:30:0
566	0	83	07:54:27.866	488DB6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,441,695:30:0
567	0	83	08:09:23.866	488DB6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,441,710:09:0
568	0	83	14:54:44.466	488DC6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,442,110:90:0
569	0	83	15:02:02.466	488DC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,442,118:19:0
570	0	83	19:00:04.466	488DC6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,442,353:57:0
571	0	83	19:21:17.800	488DC6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,442,374:56:0
572	0	83	23:18:20.466	488DD6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,442,609:05:0
573	0	83	23:58:43.800	488DD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,442,649:00:0
574	0	84	00:50:00.466	488DD6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,442,699:65:0
575	0	84	01:23:39.133	488DD6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,442,732:90:0
576	0	84	06:54:43.800	488DE6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,443,060:39:0
577	0	84	07:39:43.133	488DE6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,443,104:84:0
578	0	84	07:45:55.800	488DE6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,443,111:06:0
579	0	84	08:22:11.800	488DE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,443,146:85:0
580	0	84	11:06:58.466	488DE6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,443,309:82:0
581	0	84	11:46:59.800	488DF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,443,349:44:0
582	0	84	15:35:15.800	488DF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,443,575:22:0
583	0	84	19:00:04.400	488DG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,443,777:73:0
584	0	84	19:16:12.400	488DG6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,443,793:69:0
585	0	84	19:27:48.400	488DG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,443,805:21:0
586	0	84	23:16:55.733	488DG6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,444,031:76:0
587	0	85	00:03:00.400	488DG6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,444,077:37:0
588	0	85	06:44:03.733	488DH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,444,474:05:0
589	0	85	07:43:47.733	488DH6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,444,533:12:0
590	0	85	08:13:39.733	488DH6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,444,562:61:0
591	0	85	11:38:27.733	488DH6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,444,765:20:0
592	0	85	15:28:51.733	488DI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,444,993:08:0
593	0	85	18:55:47.733	488DI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,445,197:68:0
594	0	85	19:16:07.733	488DI6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,445,217:78:0
595	0	85	19:27:47.733	488DI6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,445,229:36:0
596	0	85	23:16:51.733	488DJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,445,455:86:0
597	0	86	00:02:59.733	488DJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,445,501:52:0
598	0	86	06:39:48.333	488DK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,445,894:02:0
599	0	86	07:41:41.666	488DK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,445,955:21:0
600	0	86	07:43:48.333	488DK6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,445,957:29:0
601	0	86	07:54:28.333	488DK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,445,967:79:0
602	0	86	10:21:48.333	488DK6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,446,113:53:0
603	0	86	11:55:12.333	488DL6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,446,205:87:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	0	86	12:28:51.666	488DL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,446,239:22:0	
605	0	86	18:04:35.666	488DM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,446,571:26:0	
606	0	86	19:04:19.666	488DM6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,446,630:33:0	
607	0	86	19:04:49.666	488DM6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,446,630:78:0	
608	0	86	19:23:31.666	488DM6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,446,649:32:0	
609	0	86	23:56:46.333	488DM6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,446,919:54:0	
610	0	87	00:07:15.666	488DN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,446,929:88:0	
611	0	87	06:05:29.666	488DN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,447,284:24:0	
612	0	87	06:09:55.666	488DO6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,447,288:59:0	
613	0	87	11:01:44.266	488DO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,447,577:23:0	
614	0	87	11:53:24.266	488DO6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,447,628:32:0	
615	0	87	15:05:24.266	488DP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,447,818:22:0	
616	0	87	15:53:00.266	488DP6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	5,447,865:29:0	
617	0	87	15:56:43.600	176UC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,447,869:00:0	
618	0	87	16:23:30.266	20SN4I	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,447,895:44:0	
619	0	87	16:38:30.266	20SN4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	5,447,910:29:0	
620	0	87	16:50:30.266	20SN4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,447,922:17:0	
621	0	87	16:57:30.266	20SN4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	5,447,929:10:0	
622	0	87	17:09:30.266	20SN4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,447,940:89:0	
623	0	87	17:16:30.266	20SN4O	7SLEW	INIT,POS,4.36	Stator movement	4O0	4	0	5,447,947:82:0	
624	0	87	17:28:30.266	20SN4P	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,447,959:70:0	
625	0	87	17:35:30.266	20SN4Q	7SLEW	INIT,NEG,4.36	Stator movement	4O0	4	0	5,447,966:63:0	
626	0	87	17:47:30.266	20SN4R	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,447,978:51:0	
627	0	87	17:59:30.266	20SN4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,447,990:39:0	
628	0	87	18:15:00.266	488DP6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,448,005:69:0	
629	0	87	18:15:04.266	20UC4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,448,005:75:0	
630	0	87	18:15:54.266	20UC4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,448,006:59:0	
631	0	87	18:17:16.266	176UD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,448,008:00:0	
632	0	87	18:49:24.266	488DP6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,448,039:71:0	
633	0	87	19:10:58.266	488DP6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,448,061:10:0	
634	0	87	19:21:24.266	488DQ6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,448,071:39:0	
635	0	88	05:14:53.600	488DR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,448,658:36:0	
636	0	88	06:29:07.600	488DR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,448,731:74:0	
637	0	88	07:35:15.600	488DR6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,448,797:20:0	
638	0	88	08:07:15.600	488DR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,448,828:79:0	
639	0	88	12:01:55.600	488DS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,449,060:87:0	
640	0	88	12:29:24.266	488DS6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,449,088:12:0	
641	0	88	12:33:55.600	488DS6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,449,092:55:0	
642	0	88	22:56:58.200	488DT6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,449,708:73:0	
643	0	88	23:03:16.200	488DT6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,449,715:03:0	
644	0	88	23:48:04.200	488DT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,449,759:31:0	
645	0	89	00:20:23.533	488DT6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,449,791:28:0	
646	0	89	00:54:02.200	488DT6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,449,824:53:0	
647	0	89	06:35:31.533	488DU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,450,162:29:0	
648	0	89	07:24:35.533	488DU6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,450,210:77:0	
649	0	89	07:24:44.866	488DU6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,450,211:00:0	
650	0	89	07:41:39.533	488DU6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,450,227:66:0	
651	0	89	22:47:53.533	488DV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,451,124:00:0	
652	0	89	22:56:51.533	488DV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,451,132:79:0	
653	0	89	23:52:19.533	488DV6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,451,187:66:0	
654	0	90	06:24:52.133	488DW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,451,575:87:0	
655	0	90	07:26:52.800	488DW6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,451,637:26:0	
656	0	90	07:28:52.133	488DW6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,451,639:23:0	
657	0	90	07:43:48.133	488DW6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,451,654:02:0	
658	0	90	23:36:29.466	488DX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,452,596:22:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
659	0	90	23:52:19.466	488DX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,452,611:82:0
660	0	91	06:18:27.466	488DY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,452,993:72:0
661	0	91	07:20:19.466	488DY6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,453,054:89:0
662	0	91	07:48:03.466	488DY6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,453,082:37:0
663	0	91	08:47:47.466	488DY6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,453,141:44:0
664	0	91	09:00:33.466	488DY6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,453,154:10:0
665	0	91	09:34:12.133	488DZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,453,187:35:0
666	0	91	17:45:24.066	488EA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,453,673:17:0
667	0	91	18:45:08.066	488EA6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,453,732:24:0
668	0	91	18:59:00.066	488EA6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,453,745:89:0
669	0	91	19:15:00.066	488EA6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,453,761:73:0
670	0	91	19:51:16.066	488EA6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,453,797:61:0
671	0	91	22:42:45.400	488EB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,453,967:25:0
672	0	91	22:52:35.400	488EB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,453,977:00:0
673	0	91	23:48:03.400	488EB6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,454,031:78:0
674	0	92	06:11:09.400	488EC6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,454,410:68:0
675	0	92	06:14:11.400	488EC6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,454,413:68:0
676	0	92	07:26:44.066	488EC6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,454,485:45:0
677	0	92	07:33:07.400	488EC6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,454,491:74:0
678	0	92	07:52:19.400	488EC6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,454,510:73:0
679	0	92	18:34:28.000	488ED6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,455,145:81:0
680	0	92	18:55:06.666	488ED6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,455,166:28:0
681	0	92	19:04:20.000	488ED6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,455,175:39:0
682	0	92	22:46:42.000	488ED6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,455,395:32:0
683	0	92	22:52:36.000	488ED6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,455,401:17:0
684	0	92	23:37:24.000	488EE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,455,445:45:0
685	0	93	00:05:40.000	488EE6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,455,473:41:0
686	0	93	00:39:19.333	488EE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,455,506:67:0
687	0	93	06:12:40.000	488EF6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,455,836:38:0
688	0	93	23:36:17.333	488EG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,456,868:52:0
689	0	93	23:48:03.333	488EG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,456,880:19:0
690	0	94	06:03:31.933	488EH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,457,251:51:0
691	0	94	07:03:15.933	488EH6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,457,310:58:0
692	0	94	07:37:23.933	488EH6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,457,344:36:0
693	0	94	08:41:23.933	488EH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,457,407:63:0
694	0	94	08:45:45.266	488EH6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,457,412:00:0
695	0	94	09:19:24.600	488EI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,457,445:26:0
696	0	94	17:28:19.266	488EJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,457,928:75:0
697	0	94	18:34:27.266	488EJ6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,457,994:21:0
698	0	94	18:34:27.933	488EJ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,457,994:22:0
699	0	94	18:51:31.266	488EJ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,458,011:10:0
700	0	95	10:51:11.200	488EK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,458,960:21:0
701	0	95	18:19:31.866	488EL6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,459,403:59:0
702	0	95	18:47:52.533	488EL6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,459,431:62:0
703	0	95	18:53:39.866	488EL6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,459,437:37:0
704	0	95	19:08:35.866	488EL6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,459,452:16:0
705	0	95	22:32:30.533	488EL6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,459,653:77:0
706	0	95	22:41:55.200	488EM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,459,663:14:0
707	0	95	23:45:55.200	488EM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,459,726:41:0
708	0	96	05:48:35.200	488EN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,460,085:12:0
709	0	96	07:03:15.200	488EN6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,460,158:89:0
710	0	96	07:07:57.200	488EN6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,460,163:57:0
711	0	96	07:13:55.200	488EN6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,460,169:48:0
712	0	96	07:28:51.200	488EN6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,460,184:27:0
713	0	96	14:16:07.200	488EO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,460,587:08:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	0	96	15:50:53.200	488EO6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,460,680:74:0	
715	0	96	16:24:32.533	488EO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,460,714:09:0	
716	0	96	17:09:07.200	488EO6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,460,758:17:0	
717	0	96	18:23:47.800	488EO6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,460,832:04:0	
718	0	96	18:45:55.133	488EP6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,460,853:84:0	
719	0	96	19:00:03.800	488EP6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,460,867:83:0	
720	0	96	19:36:19.800	488EP6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,460,903:71:0	
721	0	96	22:27:26.466	488EP6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,461,073:01:0	
722	0	96	22:37:39.800	488EP6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,461,083:11:0	
723	0	96	23:52:19.800	488EQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,461,156:88:0	
724	0	97	05:40:03.133	488EQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,461,500:79:0	
725	0	97	06:58:59.133	488ER6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,461,578:85:0	
726	0	97	07:02:17.133	488ER6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,461,582:18:0	
727	0	97	07:09:39.133	488ER6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,461,589:44:0	
728	0	97	07:45:55.133	488ER6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,461,625:32:0	
729	0	97	23:37:22.466	488ES6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,462,566:32:0	
730	0	97	23:52:19.133	488ES6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,462,581:12:0	
731	0	98	01:10:58.466	488ES6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,462,658:84:0	
732	0	98	01:44:37.133	488ES6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,462,692:18:0	
733	0	98	05:33:39.733	488ES6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,462,918:66:0	
734	0	98	06:44:03.733	488ET6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,462,988:32:0	
735	0	98	07:37:23.733	488ET6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,463,041:09:0	
736	0	98	08:28:54.400	488ET6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,463,092:04:0	
737	0	98	09:04:51.733	488ET6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,463,127:55:0	
738	0	98	09:09:49.066	488ET6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,463,132:46:0	
739	0	98	11:22:59.733	488EU6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	5,463,264:20:0	
740	0	98	11:25:48.400	176QB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,463,267:00:0	
741	0	98	16:43:31.066	488EU6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	5,463,581:20:0	
742	0	98	18:13:07.066	488EU6C	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	5,463,669:76:0	
743	0	98	18:30:59.733	488EU6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,463,687:47:0	
744	0	98	18:31:29.066	176QD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,463,688:00:0	
745	0	98	18:34:02.400	488EU6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,463,690:48:0	
746	0	98	22:36:19.733	488EV6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,463,930:14:0	
747	0	98	22:56:51.066	488EV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,463,950:41:0	
748	0	98	23:48:56.400	488EV6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,464,001:88:0	
749	0	99	00:15:47.066	488EV6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,464,028:47:0	
750	0	99	00:24:01.733	488EV6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,464,036:61:0	
751	0	99	05:08:03.066	488EW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,464,317:52:0	
752	0	99	06:18:27.066	488EW6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,464,387:18:0	
753	0	99	06:34:00.400	488EW6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,464,402:53:0	
754	0	99	07:11:19.066	488EW6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,464,439:44:0	
755	0	99	07:16:03.066	488EW6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,464,444:15:0	
756	0	99	07:52:19.066	488EX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,464,480:03:0	
757	0	99	08:26:02.400	488EX6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,464,513:35:0	
758	0	99	08:59:41.733	488EX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,464,546:61:0	
759	0	99	17:49:39.666	488EY6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,465,070:74:0	
760	0	99	18:23:47.666	488EY6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,465,104:52:0	
761	0	99	18:29:37.000	488EY6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,465,110:30:0	
762	0	99	18:42:59.666	488EY6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,465,123:51:0	
763	0	99	19:19:15.666	488EY6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,465,159:39:0	
764	0	99	23:00:56.333	488EZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,465,378:61:0	
765	0	100	00:11:31.000	488EZ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,465,448:43:0	
766	0	100	04:59:31.000	488EZ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,465,733:28:0	
767	0	100	06:44:03.000	488FA6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,465,836:63:0	
768	0	100	07:22:27.000	488FA6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,465,874:61:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	0	100	07:56:35.000	488FA6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,465,908:39:0	
770	0	100	08:24:01.666	488FA6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,465,935:52:0	
771	0	100	09:01:05.666	488FA6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,465,972:21:0	
772	0	100	09:36:51.000	488FB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,466,007:54:0	
773	0	100	15:58:43.000	488FC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,466,385:24:0	
774	0	100	17:38:59.000	488FC6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,466,484:39:0	
775	0	100	18:09:39.600	488FC6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,466,514:70:0	
776	0	100	18:13:07.600	488FC6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,466,518:18:0	
777	0	100	18:49:23.600	488FC6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,466,554:06:0	
778	0	100	22:40:53.600	488FD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,466,783:02:0	
779	0	101	00:22:11.600	488FD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,466,883:19:0	
780	0	101	03:56:20.266	176UG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,467,095:00:0	
781	0	101	04:02:00.266	20UU4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,467,100:55:0	
782	0	101	04:03:00.266	20UU4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,467,101:54:0	
783	0	101	04:05:00.266	20UU4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,467,103:52:0	
784	0	101	04:10:30.266	20UU4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,467,109:01:0	
785	0	101	04:10:30.933	20UU4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,467,109:02:0	
786	0	101	04:10:50.933	20UU4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,467,109:32:0	
787	0	101	04:10:51.600	20UU4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,467,109:33:0	
788	0	101	04:11:11.600	20UU4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,467,109:63:0	
789	0	101	04:11:12.266	20UU4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,467,109:64:0	
790	0	101	04:11:22.266	20UU4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,467,109:79:0	
791	0	101	04:11:22.933	20UU4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,467,109:80:0	
792	0	101	04:11:32.933	20UU4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,467,110:04:0	
793	0	101	04:11:33.600	20UU4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,467,110:05:0	
794	0	101	04:13:20.266	20UU4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,467,111:74:0	
795	0	101	04:13:20.933	20UU4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,467,111:75:0	
796	0	101	04:13:40.933	20UU4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,467,112:14:0	
797	0	101	04:13:41.600	20UU4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,467,112:15:0	
798	0	101	04:14:01.600	20UU4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,467,112:45:0	
799	0	101	04:14:02.266	20UU4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,467,112:46:0	
800	0	101	04:14:12.266	20UU4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,467,112:61:0	
801	0	101	04:14:12.933	20UU4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,467,112:62:0	
802	0	101	04:14:22.933	20UU4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,467,112:77:0	
803	0	101	04:14:23.600	20UU4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,467,112:78:0	
804	0	101	04:15:20.266	20UU4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,467,113:72:0	
805	0	101	04:40:04.266	20UG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,467,138:23:0	
806	0	101	04:40:54.266	20UG4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,467,139:07:0	
807	0	101	04:42:50.933	176UH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,467,141:00:0	
808	0	101	04:48:50.933	488FE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,467,146:85:0	
809	0	101	06:39:46.933	488FE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,467,256:59:0	
810	0	101	06:44:57.600	488FE6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,467,261:70:0	
811	0	101	06:54:42.933	488FE6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,467,271:38:0	
812	0	102	07:06:09.533	488FF6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,468,706:83:0	
813	0	102	07:16:03.533	488FF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,468,716:64:0	
814	0	102	07:56:35.533	488FF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,468,756:72:0	
815	0	102	17:24:02.866	488FG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,469,318:01:0	
816	0	102	18:08:50.866	488FG6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,469,362:29:0	
817	0	102	18:14:35.533	488FG6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,469,368:00:0	
818	0	102	18:28:02.866	488FG6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,469,381:28:0	
819	0	102	19:04:18.866	488FG6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,469,417:16:0	
820	0	102	22:40:47.533	488FH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,469,631:25:0	
821	0	103	00:37:06.866	488FH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,469,746:29:0	
822	0	103	04:18:58.866	488FH6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,469,965:68:0	
823	0	103	06:29:06.866	488FI6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,470,094:41:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	0	103	06:39:57.533	488FI6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,470,105:16:0	
825	0	103	06:48:18.866	488FI6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,470,113:40:0	
826	0	103	07:24:34.866	488FI6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,470,149:28:0	
827	0	103	22:41:04.800	488FJ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,471,055:67:0	
828	0	103	23:11:46.800	488FJ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,471,086:09:0	
829	0	103	23:39:11.466	488FJ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,471,113:19:0	
830	0	104	00:16:15.466	488FJ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,471,149:79:0	
831	0	104	01:51:46.800	488FJ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,471,244:31:0	
832	0	104	02:53:38.800	488FK6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,471,305:48:0	
833	0	104	05:33:38.800	488FK6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,471,463:70:0	
834	0	104	06:14:48.133	488FK6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,471,504:43:0	
835	0	104	06:18:26.800	488FK6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,471,508:07:0	
836	0	104	06:54:42.800	488FK6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,471,543:86:0	
837	0	104	23:07:02.733	488FL6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,472,505:54:0	
838	0	105	00:22:11.400	488FL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,472,579:83:0	
839	0	105	04:18:59.400	488FL6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,472,814:10:0	
840	0	105	05:37:54.733	488FM6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,472,892:15:0	
841	0	105	06:26:18.066	488FM6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,472,940:02:0	
842	0	105	06:37:38.733	488FM6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,472,951:22:0	
843	0	105	07:13:54.733	488FM6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,472,987:10:0	
844	0	105	14:17:00.733	488FN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,473,405:51:0	
845	0	105	14:48:18.733	488FN6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,473,436:47:0	
846	0	105	17:53:54.733	488FN6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,473,620:07:0	
847	0	105	17:54:02.733	488FN6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,473,620:19:0	
848	0	105	18:36:34.733	488FN6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,473,662:25:0	
849	0	105	23:06:00.066	488FO6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,473,928:67:0	
850	0	105	23:11:46.733	488FO6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,473,934:41:0	
851	0	106	00:37:06.733	488FO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,474,018:77:0	
852	0	106	03:57:39.333	488FO6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,474,217:17:0	
853	0	106	05:29:23.333	488FP6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,474,307:83:0	
854	0	106	06:21:43.333	488FP6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,474,359:61:0	
855	0	106	06:33:23.333	488FP6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,474,371:19:0	
856	0	106	07:09:39.333	488FP6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,474,407:07:0	
857	0	106	10:35:58.666	488FP6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,474,611:12:0	
858	0	106	11:58:04.666	488FQ6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,474,692:30:0	
859	0	106	12:45:22.666	488FQ6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,474,739:10:0	
860	0	106	16:43:30.666	488FQ6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,474,974:57:0	
861	0	106	17:43:42.666	488FQ6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,475,034:15:0	
862	0	106	18:25:54.666	488FR6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,475,075:82:0	
863	0	106	22:10:58.000	488FR6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,475,298:44:0	
864	0	106	23:05:22.666	488FR6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,475,352:27:0	
865	0	107	00:52:02.666	488FS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,475,457:72:0	
866	0	107	03:38:26.666	488FS6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,475,622:33:0	
867	0	107	05:22:58.666	488FS6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,475,725:68:0	
868	0	107	06:22:42.666	488FS6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,475,784:75:0	
869	0	107	07:11:46.666	488FT6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,475,833:32:0	
870	0	107	17:38:59.266	488FU6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,476,453:61:0	
871	0	107	17:43:41.266	488FU6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,476,458:29:0	
872	0	107	18:25:55.266	488FU6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,476,500:08:0	
873	0	107	22:10:54.600	488FU6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,476,722:55:0	
874	0	107	23:11:46.600	488FU6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,476,782:73:0	
875	0	108	01:11:14.600	488FV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,476,900:87:0	
876	0	108	03:08:34.600	488FV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,477,017:00:0	
877	0	108	05:14:26.600	488FV6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,477,141:44:0	
878	0	108	06:11:17.933	488FV6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,477,197:65:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	0	108	06:22:42.600	488FV6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,477,209:00:0	
880	0	108	06:58:58.600	488FW6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,477,244:79:0	
881	0	108	10:35:53.933	488FW6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,477,459:37:0	
882	0	108	17:32:35.200	488FX6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,477,871:47:0	
883	0	108	17:43:37.866	488FX6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,477,882:40:0	
884	0	109	07:01:53.200	488FY6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,478,671:84:0	
885	0	109	07:33:13.866	488FY6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,478,702:84:0	
886	0	109	08:49:54.533	488FY6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,478,778:69:0	
887	0	109	09:02:24.533	488FY6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,478,791:11:0	
888	0	109	15:54:26.533	488FZ6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,479,198:57:0	
889	0	109	17:28:35.866	488FZ6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,479,291:68:0	
890	0	109	17:56:09.200	176VE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,479,319:00:0	
891	0	109	18:02:13.200		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,479,325:00:0	
892	0	109	18:02:13.200		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,479,325:00:0	
893	0	109	18:02:13.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,479,325:00:0	
894	0	109	18:02:13.200	465WA6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	5,479,325:00:0	
895	0	109	18:02:19.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,479,325:10:0	
896	0	109	18:02:21.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	5,479,325:12:1	
897	0	109	18:10:58.533	488FZ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,479,333:60:0	
898	0	109	23:43:22.000		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	5,479,662:36:2	
899	0	109	23:43:23.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	5,479,662:38:0	
900	0	109	23:55:54.533	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,479,674:73:0	
901	0	109	23:55:54.533		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	5,479,674:73:0	
902	0	109	23:55:55.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	5,479,674:75:1	
903	0	109	23:56:01.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	5,479,674:83:0	
904	0	109	23:56:02.400		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	5,479,674:84:8	
905	0	109	23:56:06.266		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	5,479,674:90:6	
906	0	109	23:56:06.266		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	5,479,674:90:6	
907	0	110	00:21:46.533		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	5,479,700:35:0	
908	0	110	00:21:46.533	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,479,700:35:0	
909	0	110	00:21:47.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	5,479,700:36:8	
910	0	110	00:51:50.533	488GA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,479,730:11:0	
911	0	110	02:21:35.800	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	4O0	4	0	5,479,818:81:0	
912	0	110	02:21:35.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	5,479,818:81:0	
913	0	110	02:21:35.800		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	5,479,818:81:0	
914	0	110	02:21:37.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	5,479,818:83:1	
915	0	110	02:21:42.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	5,479,819:00:0	
916	0	110	02:21:43.666		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	5,479,819:01:8	
917	0	110	02:21:45.066		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	5,479,819:03:9	
918	0	110	02:25:09.133	488GA6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	5,479,822:37:0	
919	0	110	02:25:45.733		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,479,823:00:9	
920	0	110	02:25:46.933		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,479,823:02:7	
921	0	110	02:25:46.933		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,479,823:02:7	
922	0	110	02:25:48.333		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,479,823:04:8	
923	0	110	02:26:00.333		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,479,823:22:8	
924	0	110	02:26:01.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,479,823:24:6	
925	0	110	02:31:38.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,479,828:75:0	
926	0	110	02:31:38.466	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,479,828:75:0	
927	0	110	02:31:45.133		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,479,828:85:0	
928	0	110	02:31:49.000		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	5,479,828:90:8	
929	0	110	02:31:49.000		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	5,479,828:90:8	
930	0	110	03:03:32.466		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	5,479,860:34:0	
931	0	110	03:03:32.466	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	5,479,860:34:0	
932	0	110	03:03:33.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	5,479,860:35:8	
933	0	110	03:19:08.466	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,479,875:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
934	0	110	03:19:08.466		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	5,479,875:73:0
935	0	110	03:19:09.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	5,479,875:75:1
936	0	110	03:19:15.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	5,479,875:83:0
937	0	110	03:19:16.333		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	5,479,875:84:8
938	0	110	03:19:20.200		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	5,479,875:90:6
939	0	110	03:19:20.200		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	5,479,875:90:6
940	0	110	03:51:16.466	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,479,907:53:0
941	0	110	03:51:16.466		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	5,479,907:53:0
942	0	110	03:51:17.666		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	5,479,907:54:8
943	0	110	03:51:21.533		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	5,479,907:60:6
944	0	110	03:51:21.533		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	5,479,907:60:6
945	0	110	04:23:17.133		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	5,479,939:22:0
946	0	110	04:23:17.133	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,479,939:22:0
947	0	110	04:23:18.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	5,479,939:23:8
948	0	110	04:38:00.466		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	5,479,953:73:0
949	0	110	04:38:00.466	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,479,953:73:0
950	0	110	04:38:01.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	5,479,953:75:1
951	0	110	04:38:07.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	5,479,953:83:0
952	0	110	04:38:08.333		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	5,479,953:84:8
953	0	110	04:38:12.200		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	5,479,953:90:6
954	0	110	04:38:12.200		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	5,479,953:90:6
955	0	110	04:48:51.133	488GA6C	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	5,479,964:48:0
956	0	110	05:10:07.800		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	5,479,985:52:0
957	0	110	05:10:07.800	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,479,985:52:0
958	0	110	05:10:09.000		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	5,479,985:53:8
959	0	110	05:10:12.866		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	5,479,985:59:6
960	0	110	05:10:12.866		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	5,479,985:59:6
961	0	110	05:11:13.800	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,479,986:60:0
962	0	110	05:11:13.800		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	5,479,986:60:0
963	0	110	05:11:15.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	5,479,986:61:8
964	0	110	05:11:59.133	488GA6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,479,987:37:0
965	0	110	05:25:43.800		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	5,480,001:00:0
966	0	110	05:25:43.800	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,480,001:00:0
967	0	110	05:26:37.800	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	4O0	4	0	5,480,001:81:0
968	0	110	05:26:37.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	5,480,001:81:0
969	0	110	05:26:37.800		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	5,480,001:81:0
970	0	110	05:26:39.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	5,480,001:83:1
971	0	110	05:26:44.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	5,480,002:00:0
972	0	110	05:26:45.666		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	5,480,002:01:8
973	0	110	05:26:47.066		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	5,480,002:03:9
974	0	110	05:38:12.866		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,480,013:31:6
975	0	110	05:38:14.066		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,480,013:33:4
976	0	110	05:38:14.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,480,013:33:4
977	0	110	05:38:15.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,480,013:35:5
978	0	110	05:38:27.466		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,480,013:53:5
979	0	110	05:38:28.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,480,013:55:3
980	0	110	05:53:03.800	20VQ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,480,028:03:0
981	0	110	05:53:53.800	20VQ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,480,028:78:0
982	0	110	05:55:03.133	176VQ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,480,030:00:0
983	0	110	06:04:08.466	488GA6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,480,038:90:0
984	0	110	06:14:11.133	488GB6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,480,048:84:0
985	0	110	06:50:27.133	488GB6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,480,084:72:0
986	0	110	22:10:49.133	488GC6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,480,995:04:0
987	0	110	23:26:42.466	488GC6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,481,070:09:0
988	0	111	04:38:10.466	488GD6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,481,378:13:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	0	111	05:55:43.800	488GD6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,481,454:77:0	
990	0	111	06:03:30.466	488GD6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,481,462:49:0	
991	0	111	22:16:48.400	488GE6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,482,425:13:0	
992	0	111	22:43:19.066	488GE6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,482,451:33:0	
993	0	112	00:26:26.400	488GE6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,482,553:32:0	
994	0	112	00:28:21.066	488GE6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,482,555:22:0	
995	0	112	03:27:46.400	488GE6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,482,732:63:0	
996	0	112	07:26:42.400	488GF6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,482,969:00:0	
997	0	112	07:38:16.400	488GF6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,482,980:40:0	
998	0	112	08:25:35.066	488GF6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,483,027:21:0	
999	0	112	15:48:27.733	488GG6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,483,465:22:0	
1000	0	112	23:45:45.000	488GH6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,483,937:26:0	
1001	0	113	00:26:27.000	488GH6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,483,977:49:0	
1002	0	113	03:27:47.000	488GH6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,484,156:80:0	
1003	0	113	05:47:18.333	488GI6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,484,294:79:0	
1004	0	113	05:52:50.333	488GI6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,484,300:31:0	
1005	0	113	06:29:06.333	488GI6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,484,336:19:0	
1006	0	113	10:25:45.000	488GI6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,484,570:23:0	
1007	0	113	16:39:14.333	488GJ6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,484,939:58:0	
1008	0	113	17:23:29.000	488GJ6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,484,983:36:0	
1009	0	113	23:26:45.000	488GK6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,485,342:61:0	
1010	0	114	00:08:23.000	488GK6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,485,383:77:0	
1011	0	114	01:55:46.933	488GK6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,485,490:06:0	
1012	0	114	05:23:28.266	488GK6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,485,695:43:0	
1013	0	114	08:41:44.266	488GL6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,485,891:51:0	
1014	0	114	09:23:22.933	488GL6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,485,932:68:0	
1015	0	114	11:10:46.933	488GL6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,486,038:88:0	
1016	0	114	16:58:26.933	488GM6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,486,382:74:0	
1017	0	114	17:41:06.266	488GM6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,486,425:00:0	
1018	0	114	23:40:41.600	488GN6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,486,780:58:0	
1019	0	115	05:07:21.600	488GN6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,487,103:65:0	
1020	0	115	05:22:58.266	488GN6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,487,119:14:0	
1021	0	115	06:36:42.933	488GO6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,487,192:08:0	
1022	0	115	07:56:34.266	488GO6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,487,271:06:0	
1023	0	115	15:58:42.866	488GP6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,487,747:83:0	
1024	0	115	17:13:26.200	488GP6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,487,821:74:0	
1025	0	116	08:50:50.200	488GQ6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,488,748:83:0	
1026	0	116	09:53:00.200	488GQ6B	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	5,488,810:36:0	
1027	0	116	09:56:38.866	176UE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,488,814:00:0	
1028	0	116	10:06:00.200	20RQ4C	7STAT	10.00,223.59,-15	Stator inertial point	4O0	4	0	5,488,823:23:0	
1029	**0**	**116**	**10:06:12.200**	**20RQ6D**	**6MROH**	**7,6744,0,A10**	**read from AACSA7,6744,0,A10**	**4O0**	**4**	**0**	**5,488,823:41:0**	
1030	0	116	10:25:02.200	490UB412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,488,842:07:0	
1031	0	116	10:30:00.200	490UB412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,488,846:90:0	
1032	0	116	10:30:20.200	20RQ4D	7STAT	17.45,223.59,-15	Stator inertial point	4O0	4	0	5,488,847:29:0	
1033	0	116	10:34:10.200	490UB412A4E	7VECT		Inert vect update UTC	4O0	4	0	5,488,851:10:0	
1034	0	116	10:34:14.200	490UB412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	5,488,851:16:0	
1035	0	116	10:38:02.200	490UB412A406A4A	7STAR	1,714,297.09	Star catalog update	4O0	4	0	5,488,854:85:0	
1036	0	116	10:38:04.200	490UB412A406A4B	7STAR	2,586,151.424,12	Star catalog update	4O0	4	0	5,488,854:88:0	
1037	0	116	10:38:06.200	490UB412A406A4C	7STAR	3,348,192.96	Star catalog update	4O0	4	0	5,488,855:00:0	
1038	0	116	10:38:08.200	490UB412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	5,488,855:03:0	
1039	0	116	10:38:10.200	490UB412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	5,488,855:06:0	
1040	0	116	10:38:12.200	490UB412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	5,488,855:09:0	
1041	0	116	10:48:06.200	20RQ4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,488,864:81:0	
1042	0	116	10:56:10.200	490UB412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,488,872:79:0	
1043	0	116	12:30:04.200	20UT4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,488,965:67:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1044	0	116	12:30:54.200	20UT4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,488,966:51:0
1045	0	116	12:31:00.200	488GQ6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,488,966:60:0
1046	0	116	12:32:21.533	176UF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,488,968:00:0
1047	0	116	17:13:24.800	488GR6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,489,245:88:0
1048	0	116	21:51:40.133	488GR6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,489,521:15:0
1049	0	116	23:01:06.800	488GR6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,489,589:77:0
1050	0	117	04:27:30.800	488GS6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,489,912:60:0
1051	0	117	05:28:24.133	488GS6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,489,972:80:0
1052	0	117	16:06:40.133	488GT6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,490,604:12:0
1053	0	117	17:03:22.800	488GT6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,490,660:20:0
1054	0	117	21:51:38.800	488GT6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,490,945:29:0
1055	0	117	22:28:28.133	488GU6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,490,981:67:0
1056	0	118	00:15:52.133	488GU6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,491,087:87:0
1057	0	118	05:13:22.733	488GV6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,491,382:18:0
1058	0	118	07:55:58.066	176UI6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,491,543:00:0
1059	0	118	08:02:00.066	20UV4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,491,548:88:0
1060	0	118	08:03:00.066	20UV4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,491,549:87:0
1061	0	118	08:05:00.066	20UV4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,491,551:85:0
1062	0	118	08:10:30.066	20UV4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,491,557:34:0
1063	0	118	08:10:30.733	20UV4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,491,557:35:0
1064	0	118	08:10:50.733	20UV4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,491,557:65:0
1065	0	118	08:10:51.400	20UV4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,491,557:66:0
1066	0	118	08:11:11.400	20UV4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,491,558:05:0
1067	0	118	08:11:12.066	20UV4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,491,558:06:0
1068	0	118	08:11:22.066	20UV4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,491,558:21:0
1069	0	118	08:11:22.733	20UV4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,491,558:22:0
1070	0	118	08:11:32.733	20UV4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,491,558:37:0
1071	0	118	08:11:33.400	20UV4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,491,558:38:0
1072	0	118	08:13:20.066	20UV4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,491,560:16:0
1073	0	118	08:13:20.733	20UV4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,491,560:17:0
1074	0	118	08:13:40.733	20UV4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,491,560:47:0
1075	0	118	08:13:41.400	20UV4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,491,560:48:0
1076	0	118	08:14:01.400	20UV4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,491,560:78:0
1077	0	118	08:14:02.066	20UV4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,491,560:79:0
1078	0	118	08:14:12.066	20UV4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,491,561:03:0
1079	0	118	08:14:12.733	20UV4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,491,561:04:0
1080	0	118	08:14:22.733	20UV4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,491,561:19:0
1081	0	118	08:14:23.400	20UV4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,491,561:20:0
1082	0	118	08:15:20.066	20UV4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,491,562:14:0
1083	0	118	08:40:04.066	20UI4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,491,586:56:0
1084	0	118	08:40:54.066	20UI4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,491,587:40:0
1085	0	118	08:42:28.733	176UJ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,491,589:00:0
1086	0	118	21:46:05.400	176SL6A	6TMREC	**TPB**	TERMINATE PLAYBACK (PB CONTROL) Record Mo	4O0	4	0	5,492,364:00:0
1087	0	118	21:48:06.733	465SZ6A	6DMST	3114	DMS Slew to TIC	4O0	4	0	5,492,366:00:0
1088	0	118	21:48:06.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,492,366:00:0
1089	0	118	21:48:06.733		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,492,366:00:0
1090	0	118	21:48:06.733		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,492,366:00:0
1091	0	118	21:48:13.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,492,366:10:0
1092	0	118	21:48:14.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	5,492,366:12:1
1093	0	118	22:01:38.066	488GW6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,492,379:34:0
1094	0	118	22:23:28.733	488GW6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,492,400:89:0
1095	0	119	00:10:52.733	488GW6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,492,507:18:0
1096	0	119	01:15:08.866		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *3111.94 +/-	4O0	4	0	5,492,570:69:2
1097	0	119	01:15:10.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3112.00 +/-	4O0	4	0	5,492,570:71:0
1098	0	119	01:20:00.066	488GW6D	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	5,492,575:51:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	0	138	03:01:59.733	20UX4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,519,735:72:0	
1100	0	138	03:02:59.733	20UX4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,519,736:71:0	
1101	0	138	03:04:59.733	20UX4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,519,738:69:0	
1102	0	138	03:10:29.733	20UX4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,519,744:18:0	
1103	0	138	03:10:30.400	20UX4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,519,744:19:0	
1104	0	138	03:10:50.400	20UX4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,519,744:49:0	
1105	0	138	03:10:51.066	20UX4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,519,744:50:0	
1106	0	138	03:11:11.066	20UX4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,519,744:80:0	
1107	0	138	03:11:11.733	20UX4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,519,744:81:0	
1108	0	138	03:11:21.733	20UX4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,519,745:05:0	
1109	0	138	03:11:22.400	20UX4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,519,745:06:0	
1110	0	138	03:11:32.400	20UX4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,519,745:21:0	
1111	0	138	03:11:33.066	20UX4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,519,745:22:0	
1112	0	138	03:13:19.733	20UX4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,519,747:00:0	
1113	0	138	03:13:20.400	20UX4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,519,747:01:0	
1114	0	138	03:13:40.400	20UX4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,519,747:31:0	
1115	0	138	03:13:41.066	20UX4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,519,747:32:0	
1116	0	138	03:14:01.066	20UX4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,519,747:62:0	
1117	0	138	03:14:01.733	20UX4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,519,747:63:0	
1118	0	138	03:14:11.733	20UX4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,519,747:78:0	
1119	0	138	03:14:12.400	20UX4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,519,747:79:0	
1120	0	138	03:14:22.400	20UX4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,519,748:03:0	
1121	0	138	03:14:23.066	20UX4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,519,748:04:0	
1122	0	138	03:15:19.733	20UX4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,519,748:89:0	
1123	0	138	09:29:27.066	432MC431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,520,118:90:0	
1124	0	138	09:29:27.733	432MC6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,520,119:00:0	
1125	0	138	09:59:59.733		DMS:	: READY	RDY, TRACK 1, FWD, TIC 3112.00 +/-	4O0	4	0	5,520,149:18:0	
1126	**0**	**138**	**10:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**5,520,149:18:4**	
1127	**0**	**138**	**10:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**5,520,149:18:4**	
1128	**0**	**138**	**10:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,520,149:18:4**	
1129	**0**	**138**	**10:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**5,520,149:18:4**	
1130	**0**	**138**	**10:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,520,149:18:4**	
1131	**0**	**138**	**10:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,520,149:18:4**	
1132	**0**	**138**	**10:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,520,149:18:4**	
1133	**0**	**138**	**10:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,520,149:18:4**	
1134	**0**	**138**	**10:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**5,520,149:18:4**	

27INHRPELE01

OAPEL:	27INHRPELE01	ALIAS:	27INHRPELE01
EXT:	A	PSID:	DA
SCLK1:	05399306:87:0	SCLK2:	05399311:85:0
SCET1:	2000-053/13:35:08.000	SCET2:	2000-053/13:40:10.000
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:	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

27INHRPELE01

OAPEL:	27INHRPELE01	ALIAS:	27INHRPELE01
EXT:	B	PSID:	DA
SCLK1:	05399306:87:0	SCLK2:	05399308:86:0
SCET1:	2000-053/13:35:08.000	SCET2:	2000-053/13:37:09.333
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:	36	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: 0326036001 03 26 036 001
WTGRP_SIZ: 26

EDIT TABLE

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

27INHRPELE01

OAPEL:	27INHRPELE01	ALIAS:	27INHRPELE01
EXT:	C	PSID:	DA
SCLK1:	05399309:00:0	SCLK2:	05399309:15:0
SCET1:	2000-053/13:37:12.666	SCET2:	2000-053/13:37:22.000
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:	180	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: 0326180001 03 26 180 001
WTGRP_SIZ: 26

EDIT TABLE

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

27INHRPELE01

OAPEL:	27INHRPELE01	ALIAS:	27INHRPELE01
EXT:	D	PSID:	DA
SCLK1:	05399309:24:0	SCLK2:	05399311:85:0
SCET1:	2000-053/13:37:28.666	SCET2:	2000-053/13:40:10.000
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:	36	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: 0326036001 03 26 036 001
WTGRP_SIZ: 26

EDIT TABLE

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

27INHRPELE01

OAPEL:	27INHRPELE01	ALIAS:	27INHRPELE01
EXT:	I	PSID:	DA
SCLK1:	05399306:87:0	SCLK2:	05399311:85:0
SCET1:	2000-053/13:35:08.000	SCET2:	2000-053/13:40:10.000
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:	180	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: 0326180001 03 26 180 001
WTGRP_SIZ: 26

EDIT TABLE

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

27INPELE__01

OAPEL:	27INPELE__01	ALIAS:	27ISPELE__01
EXT:	A	PSID:	IA
SCLK1:	05399312:71:0	SCLK2:	05399313:24:0
SCET1:	2000-053/13:41:01.333	SCET2:	2000-053/13:41:31.333
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:	IM8

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

27INPROMTH01

OAPEL:	27INPROMTH01	ALIAS:	27ISPROMTH01
EXT:	B	PSID:	ID
SCLK1:	05399322:70:0	SCLK2:	05399323:64:0
SCET1:	2000-053/13:51:08.000	SCET2:	2000-053/13:52:04.666
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:	IM8

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

27INPROMTH01

OAPEL: 27INPROMTH01
ALIAS: 27ISPROMTH01
EXT: D
PSID: ID
SCLK1: 05399322:70:0
SCLK2: 05399323:64:0
SCET1: 00-053/13:51:08.000
SCET2: 00-053/13:52:04.666
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: IM8

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

27INPROMTH01

OAPEL: 27INPROMTH01
EXT: I
SCLK1: 05399322:70:0
SCET1: 00-053/13:51:08.000
TARGET: IO

ALIAS: 27ISPROMTH01
PSID: ID
SCLK2: 05399323:64:0
SCET2: 00-053/13:52:04.666
PARTITION: 1

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

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

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

MB_UP: 00000
EST_COMPV: 0.3
RATE_CON2: 65525
TLMFMT: IM8

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

27INICHAAC01

OAPEL:	27INICHAAC01	ALIAS:	27INICHAAC01
EXT:	A	PSID:	DD
SCLK1:	05399325:37:0	SCLK2:	05399327:30:0
SCET1:	2000-053/13:53:47.333	SCET2:	2000-053/13:55:44.000
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:	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

27INICHAAC01

OAPEL:	27INICHAAC01	ALIAS:	27INICHAAC01
EXT:	B	PSID:	DD
SCLK1:	05399325:37:0	SCLK2:	05399327:30:0
SCET1:	00-053/13:53:47.333	SCET2:	00-053/13:55:44.000
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:	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

27INICHAAC01

OAPEL: 27INICHAAC01
EXT: I
SCLK1: 05399325:37:0
SCET1: 00-053/13:53:47.333
TARGET: IO

ALIAS: 27INICHAAC01
PSID: DD
SCLK2: 05399327:30:0
SCET2: 00-053/13:55:44.000
PARTITION: 1

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

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

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

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

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

WETGID: 0326288001 03 26 288 001
WTGRP_SIZ: 26

EDIT TABLE

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

27INMOSAIC01

OAPEL:	27INMOSAIC01	ALIAS:	27INMOSAIC01
EXT:	A	PSID:	DE
SCLK1:	05399328:86:0	SCLK2:	05399337:16:0
SCET1:	2000-053/13:57:22.666	SCET2:	2000-053/14:05:41.333
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

27INMOSAIC01

OAPEL: 27INMOSAIC01
ALIAS: 27INMOSAIC01
EXT: B
PSID: DE
SCLK1: 05399338:49:0
SCLK2: 05399342:74:0
SCET1: 2000-053/14:07:04.000
SCET2: 2000-053/14:11:23.333
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

27INMOSAIC01

OAPEL:	27INMOSAIC01	ALIAS:	27INMOSAIC01
EXT:	C	PSID:	DE
SCLK1:	05399328:86:0	SCLK2:	05399342:74:0
SCET1:	00-053/13:57:22.666	SCET2:	00-053/14:11:23.333
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

27INMOSAIC01

OAPEL:	27INMOSAIC01	ALIAS:	27INMOSAIC01
EXT:	I	PSID:	DE
SCLK1:	05399328:86:0	SCLK2:	05399342:74:0
SCET1:	00-053/13:57:22.666	SCET2:	00-053/14:11:23.333
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

27INPROMTH01

OAPEL:	27INPROMTH01	ALIAS:	27INPROMTH01
EXT:	A	PSID:	DF
SCLK1:	05399352:61:0	SCLK2:	05399354:78:0
SCET1:	2000-053/14:21:22.000	SCET2:	2000-053/14:23:34.000
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:	36	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: 0326036001 03 26 036 001
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	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

27INPROMTH01

OAPEL:	27INPROMTH01	ALIAS:	27INPROMTH01
EXT:	C	PSID:	DF
SCLK1:	05399348:37:0	SCLK2:	05399357:66:0
SCET1:	00-053/14:17:03.333	SCET2:	00-053/14:26:28.000
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:	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

27INTOHIL_01

OAPEL: 27INTOHIL_01
EXT: A
SCLK1: 05399359:08:0
SCET1: 00-053/14:27:51.133
TARGET: IO

ALIAS: 27ISTOHIL_01
PSID: IE
SCLK2: 05399359:49:0
SCET2: 00-053/14:28:18.666
PARTITION: 1

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

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

MB_DOWN: 00000
COMP_FLAG: 1
EST_COMP: 2.0
RATE_CON1: 00000
NWAVETOT: 360

MB_UP: 00000
EST_COMPV: 0.3
RATE_CON2: 65525
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

27INPROMTH02

OAPEL:	27INPROMTH02	ALIAS:	27ISPROMTH02
EXT:	A	PSID:	IF
SCLK1:	05399361:08:0	SCLK2:	05399361:76:0
SCET1:	00-053/14:29:52.466	SCET2:	00-053/14:30:37.333
TARGET:	IO	PARTITION:	1

MODE:	0	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:	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: 0713015001 07 13 015 001
WTGRP_SIZ: 13

EDIT TABLE

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

27INCAMAXT01

OAPEL:	27INCAMAXT01	ALIAS:	27ISCAMAXT01
EXT:	B	PSID:	IG
SCLK1:	05399364:02:0	SCLK2:	05399365:61:0
SCET1:	2000-053/14:32:50.666	SCET2:	2000-053/14:34:30.000
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:	36	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: 0326036001 03 26 036 001
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	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

27INCAMAXT01

OAPEL:	27INCAMAXT01	ALIAS:	27ISCAMAXT01
EXT:	D	PSID:	IG
SCLK1:	05399364:02:0	SCLK2:	05399365:61:0
SCET1:	00-053/14:32:50.666	SCET2:	00-053/14:34:30.000
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:	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

27INCAMAXT01

OAPEL:	27INCAMAXT01	ALIAS:	27INCAMAXT01
EXT:	A	PSID:	DG
SCLK1:	05399366:89:0	SCLK2:	05399368:80:0
SCET1:	2000-053/14:35:49.333	SCET2:	2000-053/14:37:45.333
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:	36	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: 0326036001 03 26 036 001
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	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

27INCAMAXT01

OAPEL:	27INCAMAXT01	ALIAS:	27INCAMAXT01
EXT:	C	PSID:	DG
SCLK1:	05399366:89:0	SCLK2:	05399368:80:0
SCET1:	00-053/14:35:49.333	SCET2:	00-053/14:37:45.333
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

27INAMRANI01

OAPEL:	27INAMRANI01	ALIAS:	27INAMRANI01
EXT:	A	PSID:	DH
SCLK1:	05399381:75:0	SCLK2:	05399384:00:0
SCET1:	2000-053/14:50:50.000	SCET2:	2000-053/14:53:02.000
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:	36	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: 0326036001 03 26 036 001
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	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

27INAMRANI01

OAPEL:	27INAMRANI01	ALIAS:	27INAMRANI01
EXT:	B	PSID:	DH
SCLK1:	05399372:89:0	SCLK2:	05399391:33:0
SCET1:	00-053/14:41:53.333	SCET2:	00-053/15:00:29.333
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

27INTVASHT01

OAPEL:	27INTVASHT01	ALIAS:	27ISTVASHT01
EXT:	B	PSID:	II
SCLK1:	05399393:74:0	SCLK2:	05399394:38:0
SCET1:	2000-053/15:02:57.333	SCET2:	2000-053/15:03:34.000
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:	144	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: 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

27INZALTRM01

OAPEL:	27INZALTRM01	ALIAS:	27ISZALTRM01
EXT:	A	PSID:	IJ
SCLK1:	05399399:12:0	SCLK2:	05399399:76:0
SCET1:	2000-053/15:08:20.000	SCET2:	2000-053/15:09:03.333
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:	IM4

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

27INTVASHT01

OAPEL:	27INTVASHT01	ALIAS:	27INTVASHT01
EXT:	A	PSID:	EJ
SCLK1:	05399404:88:0	SCLK2:	05399408:51:0
SCET1:	2000-053/15:14:14.000	SCET2:	2000-053/15:17:52.666
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

27INREGION01

OAPEL:	27INREGION01	ALIAS:	27INREGION01
EXT:	A	PSID:	DI
SCLK1:	05399411:24:0	SCLK2:	05399455:70:0
SCET1:	2000-053/15:20:36.666	SCET2:	2000-053/16:05:36.000
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:	120	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: 0326120001 03 26 120 001
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	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	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	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

27INGLOBAL01

```
OAPEL:  27INGLOBAL01            ALIAS:  27INGLOBAL01
EXT:    A                       PSID:   EI
SCLK1:  05399675:46:0           SCLK2:  05399678:25:0
SCET1:  2000-053/19:47:47.000   SCET2:  2000-053/19:50:35.000
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:   36                  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:    0326036001          03  26  036  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	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	039FF	0,0011,1001,1111,1111
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	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	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

27INGLOBAL01

OAPEL:	27INGLOBAL01	ALIAS:	27INGLOBAL01
EXT:	B	PSID:	EI
SCLK1:	05399679:73:0	SCLK2:	05399684:76:0
SCET1:	2000-053/19:52:07.333	SCET2:	2000-053/19:57:13.000
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:	36	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: 0326036001 03 26 036 001
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	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	039FF	0,0011,1001,1111,1111
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	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	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

27INGLOBAL01

OAPEL:	27INGLOBAL01	ALIAS:	27INGLOBAL01
EXT:	C	PSID:	EI
SCLK1:	05399687:58:0	SCLK2:	05399692:48:0
SCET1:	2000-053/20:00:03.000	SCET2:	2000-053/20:04:59.333
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:	36	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: 0326036001 03 26 036 001
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	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	039FF	0,0011,1001,1111,1111
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	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	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

27NNPCTRLT01

OAPEL:	27NNPCTRLT01	ALIAS:	LSNNPCTRLT01
EXT:	R	PSID:	FB
SCLK1:	05424640:00:0	SCLK2:	05424641:12:0
SCET1:	2000-071/08:29:38.466	SCET2:	2000-071/08:30:47.133
TARGET:	CAL	PARTITION:	1

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

MB_DOWN:	11011	MB_UP:	11011
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	00000
NWAVETOT:	252	TLMFMT:	RT

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

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

27NNPCTRLT01

OAPEL: 27NNPCTRLT01
ALIAS: LSNNPCTRLT01
EXT: S
PSID: FB
SCLK1: 05424646:00:0
SCLK2: 05424655:12:0
SCET1: 2000-071/08:35:42.466
SCET2: 2000-071/08:44:56.466
TARGET: CAL
PARTITION: 1

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

MB_DOWN: 11011
MB_UP: 11011
COMP_FLAG: 1
EST_COMP: 2.0
EST_COMPV: 0.3
RATE_CON1: 00000
RATE_CON2: 00000
NWAVETOT: 252
TLMFMT: RT

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

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

27NNRCTRLT01

OAPEL:	27NNRCTRLT01	ALIAS:	LSNNRCTRTA01
EXT:	R	PSID:	XU
SCLK1:	05426366:00:0	SCLK2:	05426366:12:0
SCET1:	2000-072/13:34:49.066	SCET2:	2000-072/13:34:57.066
TARGET:	CAL	PARTITION:	1

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

MB_DOWN:	11011	MB_UP:	11011
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
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

27NNRCTRLT01

OAPEL:	27NNRCTRLT01	ALIAS:	LSNNRCTRTA01
EXT:	S	PSID:	XU
SCLK1:	05426372:00:0	SCLK2:	05426373:12:0
SCET1:	2000-072/13:40:53.066	SCET2:	2000-072/13:42:01.733
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:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
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

27NNRCTRLT01

OAPEL: 27NNRCTRLT01
ALIAS: LSNNRCTRTA01
EXT: T
PSID: XU
SCLK1: 05426378:00:0
SCLK2: 05426378:12:0
SCET1: 2000-072/13:46:57.066
SCET2: 2000-072/13:47:05.066
TARGET: CAL
PARTITION: 1

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

MB_DOWN: 11011
MB_UP: 11011
COMP_FLAG: 1
EST_COMP: 2.0
EST_COMPV: 0.3
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

27NNOPCAL_01

OAPEL: 27NNOPCAL_01 ALIAS: LSNNOPCAL_01
EXT: R PSID: DC
SCLK1: 05426382:00:0 SCLK2: 05426384:12:0
SCET1: 2000-072/13:50:59.733 SCET2: 2000-072/13:53:09.066
TARGET: CAL PARTITION: 1

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

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 048 TLMFMT: RT

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

WETGID: 0302048000 03 02 048 000
WTGRP_SIZ: 2

EDIT TABLE

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

NIMS I27 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS I27 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: mmeellllnnn 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.)
--------------------------------
.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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-------------------------------------------------------------------------------------------------------------------------------
27INHRPELE0127INHRPELE01ADA05399306:87:005399311:85:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         144MPW2000-053/13:35:08.0002000-053/13:40:10.000
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF0100000001000000100000
27INHRPELE0127INHRPELE01BDA05399306:87:005399308:86:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2          36MPW2000-053/13:35:08.0002000-053/13:37:09.333
           000000000000000000000000000000000000000000000000000032603600126011840001000000118400010000001184000100000011840001000
0001184000100000011840001000000118400010000001184000100000011840001000000118400010000001184000100000001000000100000
27INHRPELE0127INHRPELE01CDA05399309:00:005399309:15:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         180MPW2000-053/13:37:12.6662000-053/13:37:22.000
           000000000000000000000000000000000000000000000000000032618000126011BDFF0100000011BDFF0100000011BDFF0100000011BDFF01000
00011BDFF0100000011BDFF0100000011BDFF0100000011BDFF0100000011BDFF0100000011BDFF0100000011BDFF0100000011BDFF0100000001000000100000
27INHRPELE0127INHRPELE01DDA05399309:24:005399311:85:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2          36MPW2000-053/13:37:28.6662000-053/13:40:10.000
           000000000000000000000000000000000000000000000000000032603600126011840001000000118400010000001184000100000011840001000
0001184000100000011840001000000118400010000001184000100000011840001000000118400010000001184000100000001000000100000
27INHRPELE0127INHRPELE01IDA05399306:87:005399311:85:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        M         180MPW2000-053/13:35:08.0002000-053/13:40:10.000
           000000000000000000000000000000000000000000000000000032618000126011BDFF0100000011BDFF0100000011BDFF0100000011BDFF01000
00011BDFF0100000011BDFF0100000011BDFF0100000011BDFF0100000011BDFF0100000011BDFF0100000011BDFF0100000011BDFF0100000001000000100000
27INPELE__0127ISPELE__01AIA05399312:71:005399313:24:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         144IM82000-053/13:41:01.3332000-053/13:41:31.333
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF0100000001000000100000
27INPROMTH0127ISPROMTH01BID05399322:70:005399323:64:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         144IM82000-053/13:51:08.0002000-053/13:52:04.666
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF0100000001000000100000
27INPROMTH0127ISPROMTH01DID05399322:70:005399323:64:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         144IM8  00-053/13:51:08.000  00-053/13:52:04.666
           000000000000000000000000000000000000000000000000000032614400126010000001039FF010000001039FF010000001039FF010000001039
FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF0100000000100000
27INPROMTH0127ISPROMTH01IID05399322:70:005399323:64:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        M         288IM8  00-053/13:51:08.000  00-053/13:52:04.666
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
27INICHAAC0127INICHAAC01ADD05399325:37:005399327:30:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         144MPW2000-053/13:53:47.3332000-053/13:55:44.000
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF0100000001000000100000
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27INICHAAC0127INICHAAC01BDD05399325:37:005399327:30:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        144MPW  00-053/13:53:47.333  00-053/13:55:44.000
           000000000000000000000000000000000000000000000000000032614400126010000001039FF010000001039FF010000001039FF010000001039
FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000
27INICHAAC0127INICHAAC01IDD05399325:37:005399327:30:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        M        288MPW  00-053/13:53:47.333  00-053/13:55:44.000
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
27INMOSAIC0127INMOSAIC01ADE05399328:86:005399337:16:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        144MPW2000-053/13:57:22.6662000-053/14:05:41.333
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001000000100000
27INMOSAIC0127INMOSAIC01BDE05399338:49:005399342:74:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        144MPW2000-053/14:07:04.0002000-053/14:11:23.333
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001000000100000
27INMOSAIC0127INMOSAIC01CDE05399328:86:005399342:74:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        144MPW  00-053/13:57:22.666  00-053/14:11:23.333
           000000000000000000000000000000000000000000000000000032614400126010000001039FF010000001039FF010000001039FF010000001039
FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000
27INMOSAIC0127INMOSAIC01IDE05399328:86:005399342:74:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        M        288MPW  00-053/13:57:22.666  00-053/14:11:23.333
           00000000000000000000000000000000000000000000000000003262880012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
27INPROMTH0127INPROMTH01ADF05399352:61:005399354:78:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         36MPW2000-053/14:21:22.0002000-053/14:23:34.000
           00000000000000000000000000000000000000000000000000003260360012601039FF01039FF01039FF010000001000000100000010000001000
000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000
27INPROMTH0127INPROMTH01CDF05399348:37:005399357:66:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360MPW  00-053/14:17:03.333  00-053/14:26:28.000
           0000000000000000000000000000000000000000000000000000326360001260011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
27INTOHIL_0127ISTOHIL_01AIE05399359:08:005399359:49:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360IM8  00-053/14:27:51.133  00-053/14:28:18.666
           0000000000000000000000000000000000000000000000000000326360001260011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
27INPROMTH0227ISPROMTH02AIF05399361:08:005399361:76:01         IO       0214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         15IM8  00-053/14:29:52.466  00-053/14:30:37.333
           000000000000000000000000000000000000000000000000000071301500113011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF
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27INCAMAXT0127ISCAMAXT01BIG05399364:02:005399365:61:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         36IM42000-053/14:32:50.6662000-053/14:34:30.000
           00000000000000000000000000000000000000000000000000003260360012601039FF01039FF01039FF010000001000000100000010000001000
00010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
27INCAMAXT0127ISCAMAXT01DIG05399364:02:005399365:61:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360IM4  00-053/14:32:50.666  00-053/14:34:30.000
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
27INCAMAXT0127INCAMAXT01ADG05399366:89:005399368:80:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         36MPW2000-053/14:35:49.3332000-053/14:37:45.333
           00000000000000000000000000000000000000000000000000003260360012601039FF01039FF01039FF010000001000000100000010000001000
00010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
27INCAMAXT0127INCAMAXT01CDG05399366:89:005399368:80:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360MPW  00-053/14:35:49.333  00-053/14:37:45.333
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
27INAMRANI0127INAMRANI01ADH05399381:75:005399384:00:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1         36MPW2000-053/14:50:50.0002000-053/14:53:02.000
           00000000000000000000000000000000000000000000000000003260360012601039FF01039FF01039FF010000001000000100000010000001000
00010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
27INAMRANI0127INAMRANI01BDH05399372:89:005399391:33:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        360MPW  00-053/14:41:53.333  00-053/15:00:29.333
           000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
27INTVASHT0127ISTVASHT01BII05399393:74:005399394:38:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        144IM82000-053/15:02:57.3332000-053/15:03:34.000
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000100000
27INZALTRM0127ISZALTRM01AIJ05399399:12:005399399:76:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        144IM42000-053/15:08:20.0002000-053/15:09:03.333
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000100000
27INTVASHT0127INTVASHT01AEJ05399404:88:005399408:51:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        144MPW2000-053/15:14:14.0002000-053/15:17:52.666
           00000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000100000
27INREGION0127INREGION01ADI05399411:24:005399455:70:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        120MPW2000-053/15:20:36.6662000-053/16:05:36.000
           00000000000000000000000000000000000000000000000000003261200012601039FF010000001039FF010000001000000100000010039FF01000
0001039FF010000001039FF010000001039FF010000001039FF0100000010000001000000100000010039FF010000001039FF01000000100000100000
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27INGLOBAL0127INGLOBAL01AEI05399675:46:005399678:25:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         36MPW2000-053/19:47:47.0002000-053/19:50:35.000
           0000000000000000000000000000000000000000000000000003260360012601039FF01000000100000010000001000000100000010000001000
0001039FF010000001000000100000010000001000000100000010000001039FF010000001000000100000010000001000000100000010000001000000100000
27INGLOBAL0127INGLOBAL01BEI05399679:73:005399684:76:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         36MPW2000-053/19:52:07.3332000-053/19:57:13.000
           0000000000000000000000000000000000000000000000000003260360012601039FF01000000100000010000001000000100000010000001000
0001039FF010000001000000100000010000001000000100000010000001039FF010000001000000100000010000001000000100000010000001000000100000
27INGLOBAL0127INGLOBAL01CEI05399687:58:005399692:48:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         36MPW2000-053/20:00:03.0002000-053/20:04:59.333
           0000000000000000000000000000000000000000000000000003260360012601039FF01000000100000010000001000000100000010000001000
0001039FF010000001000000100000010000001000000100000010000001039FF010000001000000100000010000001000000100000010000001000000100000
27NNPCTRLT01LSNNPCTRLT01RFB05424640:00:005424641:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 1 2.00.3000
0000000                 252RT 2000-071/08:29:38.4662000-071/08:30:47.133
           000000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

27NNPCTRLT01LSNNPCTRLT01SFB05424646:00:005424655:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 1 2.00.3000
0000000                 252RT 2000-071/08:35:42.4662000-071/08:44:56.466
           000000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

27NNRCTRLT01LSNNRCTRTA01RXU05426366:00:005426366:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 1 2.00.3000
0000000                 252RT 2000-072/13:34:49.0662000-072/13:34:57.066
           000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

27NNRCTRLT01LSNNRCTRTA01SXU05426372:00:005426373:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 1 2.00.3000
0000000                 252RT 2000-072/13:40:53.0662000-072/13:42:01.733
           000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

27NNRCTRLT01LSNNRCTRTA01TXU05426378:00:005426378:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 1 2.00.3000
0000000                 252RT 2000-072/13:46:57.0662000-072/13:47:05.066
           000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

27NNOPCAL_01LSNNOPCAL_01RDC05426382:00:005426384:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 1 2.00.3000
0000000                 048RT 2000-072/13:50:59.7332000-072/13:53:09.066
           000000000000000000000000000000000000000000000000000302048000 224180000200000

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