Chapter 4 - NIMS Observation Summaries

Contents

Introduction to Chapter 4

This chapter summarizes the NIMS E19 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 E19 Sequence. The information in this summary is derived from the E19 SEFs (Spacecraft Event File) and PBTs (Playback Tables) with inputs from the NIMS Science Coordinators regarding the start time and duration of the NIMS observations. There are twelve columns of information in this table:

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     1) Line          -  Line Count.
     2) YR            -  Year.
     3) DOY           -  Day of Year.
     4) Time          -  SCET Time (UTC).
     5) PSID          -  Parameter Set ID of the SEF line.
     6) Command       -  Command name from the SEF.
     7) Parameters    -  Parameters from the above Command Line.
     8) Description   -  Description of the above Command for NIMS.
     9) GCM           -  NIMS Gain, Chopper mode, Instrument Mode.
                         Gain = 1,2,3 or 4.
                         Chopper Mode = R (Reference) or 6 (63Hz).
                         Instrement Mode = 0-15
    10) GO            -  NIMS Grating Offset.
    11) GS            -  NIMS Grating Start Position.
    12) RIM,MF,I      -  SCLK of the Command Line (RIM:MF:RTI)
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An additional line is inserted into this table at the start and stop times of each NIMS Observation (Oapel) to bracket the commands which affect each NIMS Observation. The NIMS Playback Select and DeSelect times are also inserted into this table to correlate the playback requests with the observations.

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

The NIMS Obstab (Observation Table) is a time-ordered listing of the NIMS obsrvation parameters for use by downlink data processing of the NIMS E19 data. It is also derived from the E19 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

Sequence: E19A-AR Created: 5/12/99 Begin: 99-031/02:00:00 Finish: 99-042/16:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	99	31	02:00:00.000	20A3EW	37A	Initial Condition	NIMS Power ON	4O0	4	0	4,847,463:08:9
2	99	31	02:00:00.000	20A3FF	40T2R	Initial Condition	PCT Heater 2 OFF	4O0	4	0	4,847,463:08:9
3	99	31	02:00:00.000	20A3EX	37HR	Initial Condition	Replacement Heaters OFF	4O0	4	0	4,847,463:08:9
4	99	31	02:00:00.000	20A3EY	37C1PR	Initial Condition	Optics Heater 1 OFF (primary relay)	4O0	4	0	4,847,463:08:9
5	99	31	02:00:00.000	20A3EZ	37C2PR	Initial Condition	Optics Heater 2 OFF (primary relay)	4O0	4	0	4,847,463:08:9
6	99	31	02:00:00.000	20A3FA	37F1PR	Initial Condition	Radiator Flash Heater OFF (primary relay)	4O0	4	0	4,847,463:08:9
7	99	31	02:00:00.000	20A3FB	37F2PR	Initial Condition	Shield Flash Heater OFF (primary relay)	4O0	4	0	4,847,463:08:9
8	99	31	02:00:00.000	20A3FD	40HRPR	Initial Condition	RCT Heater OFF (primary relay)	4O0	4	0	4,847,463:08:9
9	99	31	02:00:00.000	20A3FE	40T1PR	Initial Condition	PCT Heater 1 OFF (primary relay)	4O0	4	0	4,847,463:08:9
10	99	31	02:00:00.066		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,847,463:09:0
11	99	31	02:00:40.066	488AA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,847,463:69:0
12	99	31	02:00:53.400	432JA6B	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4O0	4	0	4,847,463:89:0
13	99	31	02:00:54.066	432JA431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,847,463:90:0
14	99	31	02:00:54.733	432JA6C	6RTSL1		R/T Select of DDS and	4O0	4	0	4,847,464:00:0
15	99	31	02:00:54.733	432JA6D	6RTSL2	NIMNCG,AACSEL,RT	AACS SELECT	4O0	4	0	4,847,464:00:0
16	99	31	02:02:30.066	20OA6A	6HICON			4O0	4	0	4,847,465:52:0
17	99	31	02:05:57.400	165LA4A	7SCAN	NORM,252.23,-22.	Check S/P Position	4O0	4	0	4,847,468:90:0
18	99	31	02:35:23.400	444UA443A4B	7MODE	INT	AACS INERTIAL MODE	4O0	4	0	4,847,498:09:0
19	99	31	02:55:28.066	176DA6A	6TMREC	NRC	NO RECORD Record Mode Change	4O0	4	0	4,847,517:87:0
20	99	31	02:59:37.400	19NNJUPRTS01-		-----START------		4O0	4	0	: :
21	99	31	02:59:51.400	20DA5A	37PL		Program Load (halts microprocessor & unwri	260	4	0	4,847,522:27:0
22	99	31	02:59:52.733	20DA5B	37MRL		Memory Realocate (software operates from R	260	4	0	4,847,522:29:0
23	99	31	02:59:54.066	20DA6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	260	4	0	4,847,522:31:0
24	99	31	03:00:04.066	20DA6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	260	4	0	4,847,522:46:0
25	99	31	03:00:14.066	20DA5C	37IRT		Instrument Reset (goes into POR state)	260	4	0	4,847,522:61:0
26	99	31	03:00:38.066	20DA5D	37MN		Memory Normal (software operates from ROM)	260	4	0	4,847,523:06:0
27	99	31	03:00:49.400	20DA4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	4,847,523:23:0
28	99	31	03:01:38.734	19NNJUPRTS01-		-----STOP-------		2R0	4	0	: :
29	99	31	03:02:30.733	125DA4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	4,847,524:84:0
30	99	31	03:02:30.733	125DA	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,847,524:84:0
31	99	31	03:02:39.400	19JNJUPRTS01*		-----START------		2R0	4	0	: :
32	99	31	03:03:31.400	125DA11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,847,525:84:0
33	99	31	03:03:31.400	125DA4B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	4,847,525:84:0
34	99	31	03:04:32.066	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	4,847,526:84:0
35	99	31	03:04:32.066	127DA4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	4,847,526:84:0
36	99	31	03:04:32.733	127DA4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	4,847,526:85:0
37	99	31	03:04:36.066	165DA4A	7SCAN	NORM,253.804998,	Check S/P Position	2R3	4	0	4,847,526:90:0
38	99	31	03:04:40.733	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,847,527:06:0
39	99	31	03:07:42.733	432DA6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	4,847,530:06:0
40	99	31	03:08:30.066	117DA	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	4,847,530:77:0
41	99	31	03:08:38.066	165DA4B	7VECT		Inert vect update UTC	2R3	4	0	4,847,530:89:0
42	99	31	03:08:39.400	117DA105A106A4A	7STRP	-0.005,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,847,531:00:0
43	99	31	03:11:32.066	117DA105A106A4B	7STRP	0.005,-0.008,0,0	Slew =12.01	2R3	4	0	4,847,533:77:0
44	99	31	03:11:42.066	117DA105A106A4C	7STRP	-0.005,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,847,534:01:0
45	99	31	03:14:34.733	117DA105A106A4D	7STRP	0.005,-0.008,0,0	Slew =12.01	2R3	4	0	4,847,536:78:0
46	99	31	03:14:44.733	117DA105A106A4E	7STRP	-0.005,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,847,537:02:0
47	99	31	03:16:48.734	19JNJUPRTS01*		-----STOP-------		2R3	4	0	: :
48	99	31	03:17:37.400	117DA11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	4,847,539:79:0
49	99	31	03:17:48.066	432DZ6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	4,847,540:04:0
50	99	31	03:21:44.066	488AA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	4,847,543:85:0
51	99	31	03:27:56.067	19NNJUPRTS02-		-----START------		2R3	4	0	: :
52	99	31	03:28:10.066	20DC5A	37PL		Program Load (halts microprocessor & unwri	2R3	4	0	4,847,550:27:0
53	99	31	03:28:11.400	20DC5B	37MRL		Memory Realocate (software operates from R	2R3	4	0	4,847,550:29:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	99	31	03:28:12.733	20DC6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	2R3	4	0	4,847,550:31:0	
55	99	31	03:28:22.733	20DC6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	2R3	4	0	4,847,550:46:0	
56	99	31	03:28:32.733	20DC5C	37IRT		Instrument Reset (goes into POR state)	260	4	0	4,847,550:61:0	
57	99	31	03:28:56.733	20DC5D	37MN		Memory Normal (software operates from ROM)	260	4	0	4,847,551:06:0	
58	99	31	03:29:08.066	20DC4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	4,847,551:23:0	
59	99	31	03:29:53.400		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	2R0	4	0	4,847,552:00:0	
60	99	31	03:29:53.400		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	2R0	4	0	4,847,552:00:0	
61	99	31	03:29:53.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2R0	4	0	4,847,552:00:0	
62	99	31	03:29:53.400	465KA6A	6DMST	3140	DMS Slew to TIC	2R0	4	0	4,847,552:00:0	
63	99	31	03:29:57.400	19NNJUPRTS02-		-----STOP-------		2R0	4	0	: :	
64	99	31	03:30:00.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	2R0	4	0	4,847,552:10:0	
65	99	31	03:30:01.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	2R0	4	0	4,847,552:12:1	
66	99	31	03:30:49.400	125DC	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,847,552:84:0	
67	99	31	03:30:49.400	125DC4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R0	4	0	4,847,552:84:0	
68	99	31	03:30:53.400	165DH4A	7SCAN	NORM,257.462997,	Check S/P Position	4R0	4	0	4,847,552:90:0	
69	99	31	03:30:58.067	19JNJUPRTS02*		-----START------		4R0	4	0	: :	
70	99	31	03:31:50.066	125DC11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,847,553:84:0	
71	99	31	03:31:50.066	125DC4B	37MB	19,13,0,0,0,0	Selects mirror (spatial) edit table	4R0	4	0	4,847,553:84:0	
72	99	31	03:33:51.400	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,847,555:84:0	
73	99	31	03:33:51.400	127DC4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	4,847,555:84:0	
74	99	31	03:33:52.066	127DC4B	37ETB	0A,CA,18,00,FF,1	Loads wavelength edit table	4R3	4	0	4,847,555:85:0	
75	99	31	03:34:00.066	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,847,556:06:0	
76	99	31	03:34:00.066	432DC6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	4,847,556:06:0	
77	99	31	03:34:47.400	117DH	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	4,847,556:77:0	
78	99	31	03:34:56.733	117DH105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.03	4R3	4	0	4,847,557:00:0	
79	99	31	03:39:02.066	432DY6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	4,847,561:04:0	
80	99	31	03:40:00.066	117DH105A106A4B	7STRP	-0.022004,-0.001	Slew =12.01	4R3	4	0	4,847,562:00:0	
81	99	31	03:41:04.733	432DH6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	4,847,563:06:0	
82	99	31	03:42:01.400	117DH105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.03	4R3	4	0	4,847,564:00:0	
83	99	31	03:45:07.400	19JNJUPRTS02*		-----STOP-------		4R3	4	0	: :	
84	99	31	03:46:06.733	432DX6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	4,847,568:04:0	
85	99	31	03:47:04.733	117DH11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	4,847,569:00:0	
86	99	31	05:01:53.400	165CE4A	7SCAN	NORM,280.738998,	Check S/P Position	4R3	4	0	4,847,642:90:0	
87	99	31	05:03:54.066	165CE4B	7VECT		Inert vect update UTC	4R3	4	0	4,847,644:89:0	
88	99	31	06:02:33.400	165CA4A	7SCAN	NORM,281.271999,	Check S/P Position	4R3	4	0	4,847,702:90:0	
89	99	31	06:06:35.400	165CA4B	7VECT		Inert vect update UTC	4R3	4	0	4,847,706:89:0	
90	99	31	06:36:34.066	165CA4C	7VECT		Inert vect update UTC	4R3	4	0	4,847,736:57:0	
91	99	31	06:58:46.200		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *3137.94 +/-	4R3	4	0	4,847,758:53:2	
92	99	31	06:58:47.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3138.00 +/-	4R3	4	0	4,847,758:55:0	
93	99	31	07:06:32.733	165CA4D	7VECT		Inert vect update UTC	4R3	4	0	4,847,766:25:0	
94	99	31	07:14:21.400		DMS:	: READY	RDY, TRACK *2, *REV, TIC 3138.00 +/-	4R3	4	0	4,847,774:00:0	
95	99	31	07:14:21.400	465KB6A	6DMSC	RDY,2	DMS Control Tape stop	4R3	4	0	4,847,774:00:0	
96	99	31	07:36:35.400	165CB4A	7SCAN	NORM,281.824997,	Check S/P Position	4R3	4	0	4,847,795:90:0	
97	99	31	07:37:35.400	165CB4B	7VECT		Inert vect update UTC	4R3	4	0	4,847,796:89:0	
98	99	31	08:07:34.066	165CB4C	7VECT		Inert vect update UTC	4R3	4	0	4,847,826:57:0	
99	99	31	08:37:32.733	165CB4D	7VECT		Inert vect update UTC	4R3	4	0	4,847,856:25:0	
100	99	31	08:52:24.066	488AB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	4,847,870:88:0	
101	99	31	09:07:35.400	165CC4A	7SCAN	NORM,284.341,-23	Check S/P Position	4R3	4	0	4,847,885:90:0	
102	99	31	09:08:35.400	165CC4B	7VECT		Inert vect update UTC	4R3	4	0	4,847,886:89:0	
103	99	31	09:37:12.066	488AB6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	4,847,915:25:0	
104	99	31	09:54:03.400	165CC4C	7VECT		Inert vect update UTC	4R3	4	0	4,847,931:86:0	
105	99	31	10:00:40.066	488AB6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	4,847,938:44:0	
106	99	31	10:39:36.733	192GA4A	7CONE	8.0,0.0	Check S/P Position	4R3	4	0	4,847,977:00:0	
107	99	31	10:46:41.400	176GA6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,847,984:00:0	
108	99	31	10:48:56.066	176GA6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	4,847,986:20:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
109	99	31	10:48:58.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,847,986:23:0
110	99	31	10:48:58.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3138.00 +/-	4R3	4	0	4,847,986:23:0
111	99	31	10:48:59.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3138.12 +/-	4R3	4	0	4,847,986:25:1
112	99	31	10:49:04.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3139.35 +/-	4R3	4	0	4,847,986:33:0
113	99	31	10:49:05.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3139.41 +/-	4R3	4	0	4,847,986:34:8
114	99	31	10:49:07.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3139.29 +/-	4R3	4	0	4,847,986:36:9
115	99	31	10:49:08.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3139.12 +/-	4R3	4	0	4,847,986:38:0
116	99	31	10:49:18.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,847,986:54:0
117	99	31	10:49:18.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3136.62 +/-	4R3	4	0	4,847,986:54:0
118	99	31	10:49:19.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3136.56 +/-	4R3	4	0	4,847,986:55:8
119	99	31	11:01:50.733	165GB4A	7SCAN	NORM,268.795998,	Check S/P Position	4R3	4	0	4,847,998:90:0
120	99	31	11:02:37.400	488AB6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	4,847,999:69:0
121	99	31	11:04:40.066	488AB6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	4,848,001:71:0
122	99	31	11:04:53.400	176GB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,848,002:00:0
123	99	31	11:05:44.733	117GB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,848,002:77:0
124	99	31	11:05:54.066	117GB105A106A4A	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,003:00:0
125	99	31	11:06:51.400	117GB105A106A4B	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,003:86:0
126	99	31	11:07:02.733	117GB105A106A4C	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,004:12:0
127	99	31	11:08:00.066	117GB105A106A4D	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,005:07:0
128	99	31	11:08:11.400	117GB105A106A4E	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,005:24:0
129	99	31	11:09:08.733	117GB105A106A4F	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,006:19:0
130	99	31	11:09:20.066	117GB105A106A4G	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,006:36:0
131	99	31	11:10:17.400	117GB105A106A4H	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,007:31:0
132	99	31	11:10:28.733	117GB105A106A4I	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,007:48:0
133	99	31	11:11:26.066	117GB105A106A4J	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,008:43:0
134	99	31	11:11:37.400	117GB105A106A4K	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,008:60:0
135	99	31	11:12:34.733	117GB105A106A4L	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,009:55:0
136	99	31	11:12:46.066	117GB105A106A4M	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,009:72:0
137	99	31	11:13:43.400	117GB105A106A4N	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,010:67:0
138	99	31	11:13:54.733	117GB105A106A4O	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,010:84:0
139	99	31	11:14:52.066	117GB105A106A4P	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,011:79:0
140	99	31	11:15:03.400	117GB105A106A4Q	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,012:05:0
141	99	31	11:16:00.733	117GB105A106A4R	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,013:00:0
142	99	31	11:16:12.066	117GB105A106A4S	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,013:17:0
143	99	31	11:17:09.400	117GB105A106A4T	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,014:12:0
144	99	31	11:17:20.733	117GB105A106A4U	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,014:29:0
145	99	31	11:18:18.066	117GB105A106A4V	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,015:24:0
146	99	31	11:18:29.400	117GB105A106A4W	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,015:41:0
147	99	31	11:19:26.733	117GB105A106A4X	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,016:36:0
148	99	31	11:19:38.066	117GB105A106A4Y	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,016:53:0
149	99	31	11:20:35.400	117GB105A106A4Z	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,017:48:0
150	99	31	11:20:46.733	117GB105A106A4AA	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,017:65:0
151	99	31	11:21:44.066	117GB105A106A4AB	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,018:60:0
152	99	31	11:21:55.400	117GB105A106A4AC	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,018:77:0
153	99	31	11:22:06.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,848,019:02:0
154	99	31	11:22:06.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3136.56 +/-	4R3	4	0	4,848,019:02:0
155	99	31	11:22:07.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3136.68 +/-	4R3	4	0	4,848,019:04:1
156	99	31	11:22:12.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3137.92 +/-	4R3	4	0	4,848,019:12:0
157	99	31	11:22:13.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3137.98 +/-	4R3	4	0	4,848,019:13:8
158	99	31	11:22:15.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3137.86 +/-	4R3	4	0	4,848,019:15:9
159	99	31	11:22:41.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3131.75 +/-	4R3	4	0	4,848,019:55:0
160	99	31	11:22:52.733	117GB105A106A4AD	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,019:72:0
161	99	31	11:23:04.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3126.43 +/-	4R3	4	0	4,848,019:89:0
162	99	31	11:23:04.066	117GB105A106A4AE	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,019:89:0
163	99	31	11:23:04.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,848,019:89:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
164	99	31	11:23:05.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3126.38 +/-	4R3	4	0	4,848,019:90:8
165	99	31	11:24:01.400	117GB105A106A4AF	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,020:84:0
166	99	31	11:24:12.733	117GB105A106A4AG	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,021:10:0
167	99	31	11:25:10.066	117GB105A106A4AH	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,022:05:0
168	99	31	11:25:21.400	117GB105A106A4AI	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,022:22:0
169	99	31	11:26:18.733	117GB105A106A4AJ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,023:17:0
170	99	31	11:26:30.066	117GB105A106A4AK	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,023:34:0
171	99	31	11:27:27.400	117GB105A106A4AL	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,024:29:0
172	99	31	11:27:38.733	117GB105A106A4AM	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,024:46:0
173	99	31	11:28:36.066	117GB105A106A4AN	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,025:41:0
174	99	31	11:28:47.400	117GB105A106A4AO	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,025:58:0
175	99	31	11:29:44.733	117GB105A106A4AP	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,026:53:0
176	99	31	11:29:56.066	117GB105A106A4AQ	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,026:70:0
177	99	31	11:30:53.400	117GB105A106A4AR	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,027:65:0
178	99	31	11:31:04.733	117GB105A106A4AS	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,027:82:0
179	99	31	11:32:02.066	117GB105A106A4AT	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,028:77:0
180	99	31	11:32:13.400	117GB105A106A4AU	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,029:03:0
181	99	31	11:33:10.733	117GB105A106A4AV	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,029:89:0
182	99	31	11:33:22.066	117GB105A106A4AW	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,030:15:0
183	99	31	11:34:19.400	117GB105A106A4AX	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,031:10:0
184	99	31	11:34:30.733	117GB105A106A4AY	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,031:27:0
185	99	31	11:35:28.066	117GB105A106A4AZ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,032:22:0
186	99	31	11:35:39.400	117GB105A106A4BA	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,032:39:0
187	99	31	11:36:36.733	117GB105A106A4BB	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,033:34:0
188	99	31	11:36:48.066	117GB105A106A4BC	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,033:51:0
189	99	31	11:37:45.400	117GB105A106A4BD	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,034:46:0
190	99	31	11:37:56.733	117GB105A106A4BE	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,034:63:0
191	99	31	11:38:54.066	117GB105A106A4BF	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,035:58:0
192	99	31	11:39:05.400	117GB105A106A4BG	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,035:75:0
193	99	31	11:39:57.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3126.38 +/-	4R3	4	0	4,848,036:62:0
194	99	31	11:39:57.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,848,036:62:0
195	99	31	11:39:58.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3126.49 +/-	4R3	4	0	4,848,036:64:1
196	99	31	11:40:02.733	117GB105A106A4BH	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,036:70:0
197	99	31	11:40:04.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3127.73 +/-	4R3	4	0	4,848,036:72:0
198	99	31	11:40:05.266		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3127.79 +/-	4R3	4	0	4,848,036:73:8
199	99	31	11:40:06.666		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3127.67 +/-	4R3	4	0	4,848,036:75:9
200	99	31	11:40:14.066	117GB105A106A4BI	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,036:87:0
201	99	31	11:40:32.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3121.72 +/-	4R3	4	0	4,848,037:23:0
202	99	31	11:40:54.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,848,037:57:0
203	99	31	11:40:54.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3116.40 +/-	4R3	4	0	4,848,037:57:0
204	99	31	11:40:55.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3116.34 +/-	4R3	4	0	4,848,037:58:8
205	99	31	11:41:11.400	117GB105A106A4BJ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,037:82:0
206	99	31	11:41:22.733	117GB105A106A4BK	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,038:08:0
207	99	31	11:42:20.066	117GB105A106A4BL	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,039:03:0
208	99	31	11:42:31.400	117GB105A106A4BM	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,039:20:0
209	99	31	11:43:28.733	117GB105A106A4BN	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,040:15:0
210	99	31	11:43:40.066	117GB105A106A4BO	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,040:32:0
211	99	31	11:44:37.400	117GB105A106A4BP	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,041:27:0
212	99	31	11:44:48.733	117GB105A106A4BQ	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,041:44:0
213	99	31	11:45:46.066	117GB105A106A4BR	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,042:39:0
214	99	31	11:45:57.400	117GB105A106A4BS	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,042:56:0
215	99	31	11:46:54.733	117GB105A106A4BT	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,043:51:0
216	99	31	11:47:06.066	117GB105A106A4BU	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,043:68:0
217	99	31	11:48:03.400	117GB105A106A4BV	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,044:63:0
218	99	31	11:48:14.733	117GB105A106A4BW	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,044:80:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	99	31	11:49:12.066	117GB105A106A4BX	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,045:75:0	
220	99	31	11:49:23.400	117GB105A106A4BY	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,046:01:0	
221	99	31	11:50:20.733	117GB105A106A4BZ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,046:87:0	
222	99	31	11:50:32.066	117GB105A106A4CA	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,047:13:0	
223	99	31	11:51:29.400	117GB105A106A4CB	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,048:08:0	
224	99	31	11:51:40.733	117GB105A106A4CC	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,048:25:0	
225	99	31	11:51:45.400	488AC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	4,848,048:32:0	
226	99	31	11:52:38.066	117GB105A106A4CD	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,049:20:0	
227	99	31	11:52:49.400	117GB105A106A4CE	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,049:37:0	
228	99	31	11:53:46.733	117GB105A106A4CF	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,050:32:0	
229	99	31	11:53:58.066	117GB105A106A4CG	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,050:49:0	
230	99	31	11:54:55.400	117GB105A106A4CH	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,051:44:0	
231	99	31	11:55:06.733	117GB105A106A4CI	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,051:61:0	
232	99	31	11:56:04.066	117GB105A106A4CJ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,052:56:0	
233	99	31	11:56:15.400	117GB105A106A4CK	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,052:73:0	
234	99	31	11:57:12.733	117GB105A106A4CL	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,053:68:0	
235	99	31	11:57:24.066	117GB105A106A4CM	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,053:85:0	
236	99	31	11:57:48.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3116.34 +/-	4R3	4	0	4,848,054:31:0	
237	99	31	11:57:48.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,848,054:31:0	
238	99	31	11:57:50.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3116.46 +/-	4R3	4	0	4,848,054:33:1	
239	99	31	11:57:55.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3117.70 +/-	4R3	4	0	4,848,054:41:0	
240	99	31	11:57:56.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3117.76 +/-	4R3	4	0	4,848,054:42:8	
241	99	31	11:57:58.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3117.64 +/-	4R3	4	0	4,848,054:44:9	
242	99	31	11:58:21.400	117GB105A106A4CN	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,054:80:0	
243	99	31	11:58:23.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3111.68 +/-	4R3	4	0	4,848,054:83:0	
244	99	31	11:58:32.733	117GB105A106A4CO	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,055:06:0	
245	99	31	11:58:46.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3106.37 +/-	4R3	4	0	4,848,055:26:0	
246	99	31	11:58:46.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,848,055:26:0	
247	99	31	11:58:47.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3106.31 +/-	4R3	4	0	4,848,055:27:8	
248	99	31	11:59:30.066	117GB105A106A4CP	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,056:01:0	
249	99	31	11:59:41.400	117GB105A106A4CQ	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,056:18:0	
250	99	31	12:00:38.733	117GB105A106A4CR	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,057:13:0	
251	99	31	12:00:50.066	117GB105A106A4CS	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,057:30:0	
252	99	31	12:01:47.400	117GB105A106A4CT	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,058:25:0	
253	99	31	12:01:58.733	117GB105A106A4CU	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,058:42:0	
254	99	31	12:02:56.066	117GB105A106A4CV	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,059:37:0	
255	99	31	12:03:07.400	117GB105A106A4CW	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,059:54:0	
256	99	31	12:04:04.733	117GB105A106A4CX	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,060:49:0	
257	99	31	12:04:16.066	117GB105A106A4CY	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,060:66:0	
258	99	31	12:05:13.400	117GB105A106A4CZ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,061:61:0	
259	99	31	12:05:24.733	117GB105A106A4DA	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,061:78:0	
260	99	31	12:06:22.066	117GB105A106A4DB	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,062:73:0	
261	99	31	12:06:33.400	117GB105A106A4DC	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,062:90:0	
262	99	31	12:07:30.733	117GB105A106A4DD	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,063:85:0	
263	99	31	12:07:42.066	117GB105A106A4DE	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,064:11:0	
264	99	31	12:08:39.400	117GB105A106A4DF	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,065:06:0	
265	99	31	12:08:50.733	117GB105A106A4DG	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,065:23:0	
266	99	31	12:09:48.066	117GB105A106A4DH	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,066:18:0	
267	99	31	12:09:59.400	117GB105A106A4DI	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,066:35:0	
268	99	31	12:10:56.733	117GB105A106A4DJ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,067:30:0	
269	99	31	12:11:08.066	117GB105A106A4DK	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,067:47:0	
270	99	31	12:12:05.400	117GB105A106A4DL	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,068:42:0	
271	99	31	12:12:16.733	117GB105A106A4DM	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,068:59:0	
272	99	31	12:13:14.066	117GB105A106A4DN	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,069:54:0	
273	99	31	12:13:25.400	117GB105A106A4DO	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,069:71:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	99	31	12:14:22.733	117GB105A106A4DP	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,070:66:0	
275	99	31	12:14:34.066	117GB105A106A4DQ	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,070:83:0	
276	99	31	12:15:31.400	117GB105A106A4DR	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,071:78:0	
277	99	31	12:15:40.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3106.31 +/-	4R3	4	0	4,848,072:00:0	
278	99	31	12:15:40.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,848,072:00:0	
279	99	31	12:15:41.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3106.43 +/-	4R3	4	0	4,848,072:02:1	
280	99	31	12:15:42.733	117GB105A106A4DS	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,072:04:0	
281	99	31	12:15:46.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3107.67 +/-	4R3	4	0	4,848,072:10:0	
282	99	31	12:15:47.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3107.73 +/-	4R3	4	0	4,848,072:11:8	
283	99	31	12:15:49.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3107.61 +/-	4R3	4	0	4,848,072:13:9	
284	99	31	12:16:14.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3101.65 +/-	4R3	4	0	4,848,072:52:0	
285	99	31	12:16:37.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,848,072:86:0	
286	99	31	12:16:37.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3096.34 +/-	4R3	4	0	4,848,072:86:0	
287	99	31	12:16:38.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3096.28 +/-	4R3	4	0	4,848,072:87:8	
288	99	31	12:16:40.066	117GB105A106A4DT	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,072:90:0	
289	99	31	12:16:51.400	117GB105A106A4DU	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,073:16:0	
290	99	31	12:17:48.733	117GB105A106A4DV	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,074:11:0	
291	99	31	12:18:00.066	117GB105A106A4DW	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,074:28:0	
292	99	31	12:18:57.400	117GB105A106A4DX	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,075:23:0	
293	99	31	12:19:08.733	117GB105A106A4DY	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,075:40:0	
294	99	31	12:20:06.066	117GB105A106A4DZ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,076:35:0	
295	99	31	12:20:17.400	117GB105A106A4EA	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,076:52:0	
296	99	31	12:21:14.733	117GB105A106A4EB	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,077:47:0	
297	99	31	12:21:26.066	117GB105A106A4EC	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,077:64:0	
298	99	31	12:22:23.400	117GB105A106A4ED	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,078:59:0	
299	99	31	12:22:34.733	117GB105A106A4EE	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,078:76:0	
300	99	31	12:23:32.066	117GB105A106A4EF	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,079:71:0	
301	99	31	12:23:43.400	117GB105A106A4EG	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,079:88:0	
302	99	31	12:24:40.733	117GB105A106A4EH	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,080:83:0	
303	99	31	12:24:52.066	117GB105A106A4EI	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,081:09:0	
304	99	31	12:25:49.400	117GB105A106A4EJ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,082:04:0	
305	99	31	12:26:00.733	117GB105A106A4EK	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,082:21:0	
306	99	31	12:26:58.066	117GB105A106A4EL	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,083:16:0	
307	99	31	12:27:09.400	117GB105A106A4EM	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,083:33:0	
308	99	31	12:28:06.733	117GB105A106A4EN	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,084:28:0	
309	99	31	12:28:18.066	117GB105A106A4EO	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,084:45:0	
310	99	31	12:29:15.400	117GB105A106A4EP	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,085:40:0	
311	99	31	12:29:26.733	117GB105A106A4EQ	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,085:57:0	
312	99	31	12:30:24.066	117GB105A106A4ER	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,086:52:0	
313	99	31	12:30:35.400	117GB105A106A4ES	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,086:69:0	
314	99	31	12:31:32.733	117GB105A106A4ET	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,087:64:0	
315	99	31	12:31:44.066	117GB105A106A4EU	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,087:81:0	
316	99	31	12:32:41.400	117GB105A106A4EV	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,088:76:0	
317	99	31	12:32:52.733	117GB105A106A4EW	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,089:02:0	
318	99	31	12:33:31.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,848,089:60:0	
319	99	31	12:33:31.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3096.28 +/-	4R3	4	0	4,848,089:60:0	
320	99	31	12:33:32.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3096.40 +/-	4R3	4	0	4,848,089:62:1	
321	99	31	12:33:38.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3097.64 +/-	4R3	4	0	4,848,089:70:0	
322	99	31	12:33:39.266		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3097.70 +/-	4R3	4	0	4,848,089:71:8	
323	99	31	12:33:40.666		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3097.58 +/-	4R3	4	0	4,848,089:73:9	
324	99	31	12:33:50.066	117GB105A106A4EX	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,089:88:0	
325	99	31	12:34:01.400	117GB105A106A4EY	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,090:14:0	
326	99	31	12:34:06.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3091.62 +/-	4R3	4	0	4,848,090:21:0	
327	99	31	12:34:28.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,848,090:55:0	
328	99	31	12:34:28.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3086.31 +/-	4R3	4	0	4,848,090:55:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	99	31	12:34:29.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3086.25 +/-	4R3	4	0	4,848,090:56:8	
330	99	31	12:34:58.733	117GB105A106A4EZ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,091:09:0	
331	99	31	12:35:10.066	117GB105A106A4FA	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,091:26:0	
332	99	31	12:36:07.400	117GB105A106A4FB	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,092:21:0	
333	99	31	12:36:18.733	117GB105A106A4FC	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,092:38:0	
334	99	31	12:37:16.066	117GB105A106A4FD	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,093:33:0	
335	99	31	12:37:27.400	117GB105A106A4FE	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,093:50:0	
336	99	31	12:38:24.733	117GB105A106A4FF	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,094:45:0	
337	99	31	12:38:36.066	117GB105A106A4FG	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,094:62:0	
338	99	31	12:39:33.400	117GB105A106A4FH	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,095:57:0	
339	99	31	12:39:44.733	117GB105A106A4FI	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,095:74:0	
340	99	31	12:40:42.066	117GB105A106A4FJ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,096:69:0	
341	99	31	12:40:53.400	117GB105A106A4FK	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,096:86:0	
342	99	31	12:41:50.733	117GB105A106A4FL	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,097:81:0	
343	99	31	12:42:02.066	117GB105A106A4FM	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,098:07:0	
344	99	31	12:42:59.400	117GB105A106A4FN	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,099:02:0	
345	99	31	12:43:10.733	117GB105A106A4FO	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,099:19:0	
346	99	31	12:44:08.066	117GB105A106A4FP	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,100:14:0	
347	99	31	12:44:19.400	117GB105A106A4FQ	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,100:31:0	
348	99	31	12:45:16.733	117GB105A106A4FR	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,101:26:0	
349	99	31	12:45:28.066	117GB105A106A4FS	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,101:43:0	
350	99	31	12:46:25.400	117GB105A106A4FT	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,102:38:0	
351	99	31	12:46:36.733	117GB105A106A4FU	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,102:55:0	
352	99	31	12:47:34.066	117GB105A106A4FV	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,103:50:0	
353	99	31	12:47:45.400	117GB105A106A4FW	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,103:67:0	
354	99	31	12:48:42.733	117GB105A106A4FX	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,104:62:0	
355	99	31	12:48:54.066	117GB105A106A4FY	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,104:79:0	
356	99	31	12:49:51.400	117GB105A106A4FZ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,105:74:0	
357	99	31	12:50:02.733	117GB105A106A4GA	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,106:00:0	
358	99	31	12:51:00.066	117GB105A106A4GB	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,106:86:0	
359	99	31	12:51:11.400	117GB105A106A4GC	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,107:12:0	
360	99	31	12:51:22.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3086.25 +/-	4R3	4	0	4,848,107:29:0	
361	99	31	12:51:22.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,848,107:29:0	
362	99	31	12:51:24.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3086.37 +/-	4R3	4	0	4,848,107:31:1	
363	99	31	12:51:29.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3087.60 +/-	4R3	4	0	4,848,107:39:0	
364	99	31	12:51:30.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3087.66 +/-	4R3	4	0	4,848,107:40:8	
365	99	31	12:51:32.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3087.54 +/-	4R3	4	0	4,848,107:42:9	
366	99	31	12:51:57.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3081.59 +/-	4R3	4	0	4,848,107:81:0	
367	99	31	12:52:08.733	117GB105A106A4GD	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,108:07:0	
368	99	31	12:52:20.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3076.28 +/-	4R3	4	0	4,848,108:24:0	
369	99	31	12:52:20.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,848,108:24:0	
370	99	31	12:52:20.066	117GB105A106A4GE	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,108:24:0	
371	99	31	12:52:21.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3076.22 +/-	4R3	4	0	4,848,108:25:8	
372	99	31	12:53:17.400	117GB105A106A4GF	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,109:19:0	
373	99	31	12:53:28.733	117GB105A106A4GG	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,109:36:0	
374	99	31	12:54:26.066	117GB105A106A4GH	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,110:31:0	
375	99	31	12:54:37.400	117GB105A106A4GI	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,110:48:0	
376	99	31	12:55:34.733	117GB105A106A4GJ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,111:43:0	
377	99	31	12:55:46.066	117GB105A106A4GK	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,111:60:0	
378	99	31	12:56:43.400	117GB105A106A4GL	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,112:55:0	
379	99	31	12:56:54.733	117GB105A106A4GM	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,112:72:0	
380	99	31	12:57:52.066	117GB105A106A4GN	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,113:67:0	
381	99	31	12:58:03.400	117GB105A106A4GO	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,113:84:0	
382	99	31	12:59:00.733	117GB105A106A4GP	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,114:79:0	
383	99	31	12:59:12.066	117GB105A106A4GQ	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,115:05:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	99	31	13:00:09.400	117GB105A106A4GR	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,116:00:0	
385	99	31	13:00:20.733	117GB105A106A4GS	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,116:17:0	
386	99	31	13:01:18.066	117GB105A106A4GT	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,117:12:0	
387	99	31	13:01:29.400	117GB105A106A4GU	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,117:29:0	
388	99	31	13:02:26.733	117GB105A106A4GV	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,118:24:0	
389	99	31	13:02:38.066	117GB105A106A4GW	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,118:41:0	
390	99	31	13:03:35.400	117GB105A106A4GX	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,119:36:0	
391	99	31	13:03:46.733	117GB105A106A4GY	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,119:53:0	
392	99	31	13:04:44.066	117GB105A106A4GZ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,120:48:0	
393	99	31	13:04:55.400	117GB105A106A4HA	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,120:65:0	
394	99	31	13:05:52.733	117GB105A106A4HB	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,121:60:0	
395	99	31	13:06:04.066	117GB105A106A4HC	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,121:77:0	
396	99	31	13:07:01.400	117GB105A106A4HD	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,122:72:0	
397	99	31	13:07:12.733	117GB105A106A4HE	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,122:89:0	
398	99	31	13:08:10.066	117GB105A106A4HF	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,123:84:0	
399	99	31	13:08:21.400	117GB105A106A4HG	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,124:10:0	
400	99	31	13:09:13.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,848,124:88:0	
401	99	31	13:09:13.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3076.22 +/-	4R3	4	0	4,848,124:88:0	
402	99	31	13:09:14.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3076.34 +/-	4R3	4	0	4,848,124:90:1	
403	99	31	13:09:18.733	117GB105A106A4HH	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,125:05:0	
404	99	31	13:09:20.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3077.57 +/-	4R3	4	0	4,848,125:07:0	
405	99	31	13:09:21.266		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3077.63 +/-	4R3	4	0	4,848,125:08:8	
406	99	31	13:09:22.666		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3077.51 +/-	4R3	4	0	4,848,125:10:9	
407	99	31	13:09:30.066	117GB105A106A4HI	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,125:22:0	
408	99	31	13:09:48.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3071.40 +/-	4R3	4	0	4,848,125:50:0	
409	99	31	13:10:11.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3066.09 +/-	4R3	4	0	4,848,125:84:0	
410	99	31	13:10:11.400	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,848,125:84:0	
411	99	31	13:10:12.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3066.03 +/-	4R3	4	0	4,848,125:85:8	
412	99	31	13:10:27.400	117GB105A106A4HJ	7STRP	0.00143,0.017052	Slew =12.01	4R3	4	0	4,848,126:17:0	
413	99	31	13:10:38.733	117GB105A106A4HK	7STRP	0.0,-0.017002,0,	Slew =,0.32	4R3	4	0	4,848,126:34:0	
414	99	31	13:11:36.066	117GB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,848,127:29:0	
415	99	31	13:12:47.400	176GB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,848,128:45:0	
416	99	31	13:12:49.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3066.03 +/-	4R3	4	0	4,848,128:48:0	
417	99	31	13:12:49.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,848,128:48:0	
418	99	31	13:12:50.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3066.15 +/-	4R3	4	0	4,848,128:50:1	
419	99	31	13:12:56.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3067.39 +/-	4R3	4	0	4,848,128:58:0	
420	99	31	13:12:57.266		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3067.45 +/-	4R3	4	0	4,848,128:59:8	
421	99	31	13:12:58.666		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3067.33 +/-	4R3	4	0	4,848,128:61:9	
422	99	31	13:12:59.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3067.15 +/-	4R3	4	0	4,848,128:63:0	
423	99	31	13:13:10.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,848,128:80:0	
424	99	31	13:13:10.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3064.50 +/-	4R3	4	0	4,848,128:80:0	
425	99	31	13:13:11.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3064.44 +/-	4R3	4	0	4,848,128:81:8	
426	**99**	**31**	**13:30:33.400**	**19NNHOTMAP01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
427	**99**	**31**	**13:30:47.400**	**20DB5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,848,146:27:0**	
428	**99**	**31**	**13:30:48.733**	**20DB5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,848,146:29:0**	
429	**99**	**31**	**13:30:50.066**	**20DB6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,848,146:31:0**	
430	**99**	**31**	**13:31:00.066**	**20DB6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,848,146:46:0**	
431	**99**	**31**	**13:31:08.733**	**20DB5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,848,146:59:0**	
432	**99**	**31**	**13:31:34.066**	**20DB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,848,147:06:0**	
433	**99**	**31**	**13:31:45.400**	**20DB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,848,147:23:0**	
434	**99**	**31**	**13:32:34.734**	**19NNHOTMAP01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
435	**99**	**31**	**13:33:35.400**	**19JNHOTMAP01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
436	99	31	13:34:27.400	125DB	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,848,149:84:0	
437	**99**	**31**	**13:34:27.400**	**125DB4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,848,149:84:0**	
438	99	31	13:34:27.400	125DB11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,848,149:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	99	31	13:35:32.066	165DB4A	7SCAN	NORM,282.459,-23	Check S/P Position	4R0	4	0	4,848,150:90:0	
440	99	31	13:36:28.733	127DB4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	4,848,151:84:0	
441	99	31	13:36:28.733	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,848,151:84:0	
442	99	31	13:36:29.400	127DB4B	37ETB	0A,CA,16,05,FF,1	Loads wavelength edit table	4R3	4	0	4,848,151:85:0	
443	99	31	13:36:37.400	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,848,152:06:0	
444	99	31	13:37:22.066	175DB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,848,152:73:0	
445	99	31	13:37:22.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3064.44 +/-	4R3	4	0	4,848,152:73:0	
446	99	31	13:37:23.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3064.56 +/-	4R3	4	0	4,848,152:75:1	
447	99	31	13:37:24.733	117DB	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	4,848,152:77:0	
448	99	31	13:37:28.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3065.79 +/-	4R3	4	0	4,848,152:83:0	
449	99	31	13:37:29.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3065.85 +/-	4R3	4	0	4,848,152:84:8	
450	99	31	13:37:30.733	175DB176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,848,152:86:0	
451	99	31	13:37:31.333		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *3065.73 +/-	4R3	4	0	4,848,152:86:9	
452	99	31	13:37:31.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 3065.73 +/-	4R3	4	0	4,848,152:86:9	
453	99	31	13:37:32.733	165DB4B	7VECT		Inert vect update UTC	4R3	4	0	4,848,152:89:0	
454	99	31	13:37:34.066	19JNHOTMAP01-	NIMPBK	301DB	JUPITER HOT MAP OBS	4R3	4	0	: :	
455	99	31	13:37:34.066	117DB105A106A4A	7STRP	-0.018002,0.0,0,	Slew =,0.03	4R3	4	0	4,848,153:00:0	
456	99	31	13:47:17.400	19JNHOTMAP01-	DESELC	300DB	JUPITER HOT MAP OBS	4R3	4	0	: :	
457	99	31	13:47:27.400	175DB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,848,162:71:0	
458	99	31	13:47:27.400	175DB6A	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	4,848,162:71:0	
459	99	31	13:47:27.400		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *2926.03 +/-	4R3	4	0	4,848,162:71:0	
460	99	31	13:47:28.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2925.97 +/-	4R3	4	0	4,848,162:72:8	
461	99	31	13:47:37.400	117DB11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	4,848,162:86:0	
462	99	31	13:47:40.066	165DM4A	7SCAN	NORM,283.213997,	Check S/P Position	4R3	4	0	4,848,162:90:0	
463	99	31	13:47:44.734	19JNJUPNTB01-		-----START------		4R3	4	0	: :	
464	99	31	13:47:44.734	19JNHOTMAP01-		-----STOP-------		4R3	4	0	: :	
465	99	31	13:48:29.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2925.97 +/-	4R3	4	0	4,848,163:73:0	
466	99	31	13:48:29.400	175DM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,848,163:73:0	
467	99	31	13:48:30.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2926.09 +/-	4R3	4	0	4,848,163:75:1	
468	99	31	13:48:32.066	117DM	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	4,848,163:77:0	
469	99	31	13:48:36.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2927.32 +/-	4R3	4	0	4,848,163:83:0	
470	99	31	13:48:37.266		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2927.38 +/-	4R3	4	0	4,848,163:84:8	
471	99	31	13:48:38.066	175DM176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,848,163:86:0	
472	99	31	13:48:38.666		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2927.26 +/-	4R3	4	0	4,848,163:86:9	
473	99	31	13:48:38.666		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *2927.26 +/-	4R3	4	0	4,848,163:86:9	
474	99	31	13:48:40.066	165DM4B	7VECT		Inert vect update UTC	4R3	4	0	4,848,163:89:0	
475	99	31	13:48:41.400	19JNJUPNTB01-	NIMPBK	301DM	JUPITER NORTHERN TEMPERATE BELT	4R3	4	0	: :	
476	99	31	13:48:41.400	117DM105A106A4A	7STRP	-0.027007,0.0,0,	Slew =,0.03	4R3	4	0	4,848,164:00:0	
477	99	31	13:54:44.733	19JNJUPNTB01-	NIMPBK	301EA	JUPITER NORTHERN TEMPERATE BELT	4R3	4	0	: :	
478	99	31	13:55:06.733	19JNJUPNTB01-	DESELC	300EA	JUPITER NORTHERN TEMPERATE BELT	4R3	4	0	: :	
479	99	31	13:56:28.733	19JNJUPNTB01-	NIMPBK	301EB	JUPITER NORTHERN TEMPERATE BELT	4R3	4	0	: :	
480	99	31	13:56:41.400	19JNJUPNTB01-	DESELC	300EB	JUPITER NORTHERN TEMPERATE BELT	4R3	4	0	: :	
481	99	31	13:58:48.733	19JNJUPNTB01-	DESELC	300DM	JUPITER NORTHERN TEMPERATE BELT	4R3	4	0	: :	
482	99	31	13:59:18.066	175DM422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,848,174:45:0	
483	99	31	13:59:18.066	175DM6A	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	4,848,174:45:0	
484	99	31	13:59:18.066		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *2777.40 +/-	4R3	4	0	4,848,174:45:0	
485	99	31	13:59:19.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2777.34 +/-	4R3	4	0	4,848,174:46:8	
486	99	31	13:59:52.734	19NNHOTMAP02-		-----START------		4R3	4	0	: :	
487	99	31	13:59:52.734	19JNJUPNTB01-		-----STOP-------		4R3	4	0	: :	
488	99	31	14:00:06.733	20DD5A	37PL		Program Load (halts microprocessor & unwri	4R3	4	0	4,848,175:27:0	
489	99	31	14:00:08.066	20DD5B	37MRL		Memory Realocate (software operates from R	4R3	4	0	4,848,175:29:0	
490	99	31	14:00:09.400	20DD6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4R3	4	0	4,848,175:31:0	
491	99	31	14:00:19.400	20DD6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4R3	4	0	4,848,175:46:0	
492	99	31	14:00:29.400	20DD5C	37IRT		Instrument Reset (goes into POR state)	260	4	0	4,848,175:61:0	
493	99	31	14:00:53.400	20DD5D	37MN		Memory Normal (software operates from ROM)	260	4	0	4,848,176:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	99	31	14:01:04.733	20DD4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	4,848,176:23:0	
495	99	31	14:01:54.067	19NNHOTMAP02-		-----STOP-------		2R0	4	0	: :	
496	99	31	14:02:54.734	19JNHOTMAP02-		-----START------		2R0	4	0	: :	
497	99	31	14:03:46.733	125DD11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,848,178:84:0	
498	99	31	14:03:46.733	125DD	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,848,178:84:0	
499	99	31	14:03:46.733	125DD4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R0	4	0	4,848,178:84:0	
500	99	31	14:03:48.066	117DM11A	CSMOS	GE	***** GROUP END CSMOS	4R0	4	0	4,848,178:86:0	
501	99	31	14:03:50.733	165DD4A	7SCAN	NORM,282.765999,	Check S/P Position	4R0	4	0	4,848,178:90:0	
502	99	31	14:04:47.400	127DD	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,848,179:84:0	
503	99	31	14:04:47.400	127DD4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	4,848,179:84:0	
504	99	31	14:04:48.066	127DD4B	37ETB	0A,CA,16,05,FF,1	Loads wavelength edit table	4R3	4	0	4,848,179:85:0	
505	99	31	14:04:56.066	127DD11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,848,180:06:0	
506	99	31	14:05:40.733	175DD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,848,180:73:0	
507	99	31	14:05:40.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2777.34 +/-	4R3	4	0	4,848,180:73:0	
508	99	31	14:05:42.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2777.46 +/-	4R3	4	0	4,848,180:75:1	
509	99	31	14:05:43.400	117DD	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	4,848,180:77:0	
510	99	31	14:05:47.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2778.70 +/-	4R3	4	0	4,848,180:83:0	
511	99	31	14:05:48.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2778.76 +/-	4R3	4	0	4,848,180:84:8	
512	99	31	14:05:49.400	175DD176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,848,180:86:0	
513	99	31	14:05:50.000		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *2778.64 +/-	4R3	4	0	4,848,180:86:9	
514	99	31	14:05:50.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2778.64 +/-	4R3	4	0	4,848,180:86:9	
515	99	31	14:05:51.400	165DD4B	7VECT		Inert vect update UTC	4R3	4	0	4,848,180:89:0	
516	99	31	14:05:52.733	19JNHOTMAP02-	NIMPBK	301DD	JUPITER HOT MAP OBS	4R3	4	0	: :	
517	99	31	14:05:52.733	117DD105A106A4A	7STRP	-0.018002,0.0,0,	Slew =,0.03	4R3	4	0	4,848,181:00:0	
518	99	31	14:15:36.066	19JNHOTMAP02-	DESELC	300DD	JUPITER HOT MAP OBS	4R3	4	0	: :	
519	99	31	14:15:46.066		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *2638.93 +/-	4R3	4	0	4,848,190:71:0	
520	99	31	14:15:46.066	175DD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,848,190:71:0	
521	99	31	14:15:46.066	175DD6A	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	4,848,190:71:0	
522	99	31	14:15:47.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2638.88 +/-	4R3	4	0	4,848,190:72:8	
523	99	31	14:15:56.066	117DD11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	4,848,190:86:0	
524	99	31	14:15:58.733	165DN4A	7SCAN	NORM,285.453999,	Check S/P Position	4R3	4	0	4,848,190:90:0	
525	99	31	14:16:48.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2638.88 +/-	4R3	4	0	4,848,191:73:0	
526	99	31	14:16:48.066	175DN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,848,191:73:0	
527	99	31	14:16:49.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2638.99 +/-	4R3	4	0	4,848,191:75:1	
528	99	31	14:16:50.733	117DN	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	4,848,191:77:0	
529	99	31	14:16:54.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2640.23 +/-	4R3	4	0	4,848,191:83:0	
530	99	31	14:16:55.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2640.29 +/-	4R3	4	0	4,848,191:84:8	
531	99	31	14:16:56.733	175DN176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,848,191:86:0	
532	99	31	14:16:57.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2640.17 +/-	4R3	4	0	4,848,191:86:9	
533	99	31	14:16:57.333		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *2640.17 +/-	4R3	4	0	4,848,191:86:9	
534	99	31	14:16:58.733	165DN4B	7VECT		Inert vect update UTC	4R3	4	0	4,848,191:89:0	
535	99	31	14:17:00.066	19JNJUPNTB02-	NIMPBK	301EN	JUPITER NORTHERN TEMPERATE BELT	4R3	4	0	: :	
536	99	31	14:17:00.066	117DN105A106A4A	7STRP	-0.036016,0.0,0,	Slew =,0.03	4R3	4	0	4,848,192:00:0	
537	99	31	14:27:04.066	19JNJUPNTB02-	NIMPBK	301DN	JUPITER NORTHERN TEMPERATE BELT	4R3	4	0	: :	
538	99	31	14:27:12.066	19JNJUPNTB02-	DESELC	300EN	JUPITER NORTHERN TEMPERATE BELT	4R3	4	0	: :	
539	99	31	14:36:16.734	19JNJUPNTB02-		-----START------		4R3	4	0	: :	
540	99	31	14:36:16.734	19JNHOTMAP02-		-----STOP-------		4R3	4	0	: :	
541	99	31	14:37:10.066	117DN11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	4,848,211:86:0	
542	99	31	14:37:10.066	19JNJUPNTB02-	DESELC	300DN	JUPITER NORTHERN TEMPERATE BELT	4R3	4	0	: :	
543	99	31	14:37:22.066		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *2353.12 +/-	4R3	4	0	4,848,212:13:0	
544	99	31	14:37:22.066	175DN6A	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	4,848,212:13:0	
545	99	31	14:37:22.066	175DN422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,848,212:13:0	
546	99	31	14:37:23.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2353.06 +/-	4R3	4	0	4,848,212:14:8	
547	99	31	14:50:26.067	19JNJUPNTB02-		-----STOP-------		4R3	4	0	: :	
548	99	31	15:23:48.067	19NNHOTMAP03-		-----START------		4R3	4	0	: :	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
549	99	31	15:24:02.066	20DE5A	37PL		Program Load (halts microprocessor & unwri	4R3	4	0	4,848,258:27:0
550	99	31	15:24:03.400	20DE5B	37MRL		Memory Realocate (software operates from R	4R3	4	0	4,848,258:29:0
551	99	31	15:24:04.733	20DE6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4R3	4	0	4,848,258:31:0
552	99	31	15:24:14.733	20DE6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4R3	4	0	4,848,258:46:0
553	99	31	15:24:24.733	20DE5C	37IRT		Instrument Reset (goes into POR state)	260	4	0	4,848,258:61:0
554	99	31	15:24:48.733	20DE5D	37MN		Memory Normal (software operates from ROM)	260	4	0	4,848,259:06:0
555	99	31	15:25:00.066	20DE4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	4,848,259:23:0
556	99	31	15:25:49.400	19NNHOTMAP03-		-----STOP-------		2R0	4	0	: :
557	99	31	15:26:50.067	19JNHOTMAP03-		-----START------		2R0	4	0	: :
558	99	31	15:27:42.066	125DE4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	4,848,261:84:0
559	99	31	15:27:42.066	125DE11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,848,261:84:0
560	99	31	15:27:42.066	125DE	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,848,261:84:0
561	99	31	15:28:46.733	165DE4A	7SCAN	NORM,283.255997,	Check S/P Position	2R0	4	0	4,848,262:90:0
562	99	31	15:29:43.400	127DE	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	4,848,263:84:0
563	99	31	15:29:43.400	127DE4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	4,848,263:84:0
564	99	31	15:29:44.066	127DE4B	37ETB		Loads wavelength edit table	2R3	4	0	4,848,263:85:0
565	99	31	15:29:52.066	127DE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,848,264:06:0
566	99	31	15:30:36.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2353.06 +/-	2R3	4	0	4,848,264:73:0
567	99	31	15:30:36.733	175DE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,264:73:0
568	99	31	15:30:38.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2353.18 +/-	2R3	4	0	4,848,264:75:1
569	99	31	15:30:39.400	117DE	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	4,848,264:77:0
570	99	31	15:30:43.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2354.42 +/-	2R3	4	0	4,848,264:83:0
571	99	31	15:30:44.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2354.48 +/-	2R3	4	0	4,848,264:84:8
572	99	31	15:30:45.400	175DE176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,848,264:86:0
573	99	31	15:30:46.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2354.36 +/-	2R3	4	0	4,848,264:86:9
574	99	31	15:30:46.000		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *2354.36 +/-	2R3	4	0	4,848,264:86:9
575	99	31	15:30:47.400	165DE4B	7VECT		Inert vect update UTC	2R3	4	0	4,848,264:89:0
576	99	31	15:30:48.733	117DE105A106A4A	7STRP	-0.018002,0.0,0,	Slew =,0.03	2R3	4	0	4,848,265:00:0
577	99	31	15:30:48.733	19JNHOTMAP03-	NIMPBK	301DE	JUPITER HOT MAP OBS	2R3	4	0	: :
578	99	31	15:40:32.066	19JNHOTMAP03-	DESELC	300DE	JUPITER HOT MAP OBS	2R3	4	0	: :
579	99	31	15:40:42.066	175DE6A	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	4,848,274:71:0
580	99	31	15:40:42.066		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *2214.65 +/-	2R3	4	0	4,848,274:71:0
581	99	31	15:40:42.066	175DE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,274:71:0
582	99	31	15:40:43.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2214.59 +/-	2R3	4	0	4,848,274:72:8
583	99	31	15:40:52.066	117DE11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	4,848,274:86:0
584	99	31	15:40:54.733	165DO4A	7SCAN	NORM,285.857998,	Check S/P Position	2R3	4	0	4,848,274:90:0
585	99	31	15:40:59.400	19JNJUPNTB03-		-----START------		2R3	4	0	: :
586	99	31	15:40:59.400	19JNHOTMAP03-		-----STOP-------		2R3	4	0	: :
587	99	31	15:41:44.066	175DO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,275:73:0
588	99	31	15:41:44.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2214.59 +/-	2R3	4	0	4,848,275:73:0
589	99	31	15:41:45.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2214.71 +/-	2R3	4	0	4,848,275:75:1
590	99	31	15:41:46.733	117DO	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	4,848,275:77:0
591	99	31	15:41:50.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2215.95 +/-	2R3	4	0	4,848,275:83:0
592	99	31	15:41:51.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2216.01 +/-	2R3	4	0	4,848,275:84:8
593	99	31	15:41:52.733	175DO176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,848,275:86:0
594	99	31	15:41:53.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2215.89 +/-	2R3	4	0	4,848,275:86:9
595	99	31	15:41:53.333		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *2215.89 +/-	2R3	4	0	4,848,275:86:9
596	99	31	15:41:54.733	165DO4B	7VECT		Inert vect update UTC	2R3	4	0	4,848,275:89:0
597	99	31	15:41:56.066	117DO105A106A4A	7STRP	-0.036016,0.0,0,	Slew =,0.03	2R3	4	0	4,848,276:00:0
598	99	31	15:43:56.733	19JNJUPNTB03-	NIMPBK	301DO	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :
599	99	31	15:46:50.066	19JNJUPNTB03-	NIMPBK	301EC	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :
600	99	31	15:47:00.066	19JNJUPNTB03-	DESELC	300EC	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :
601	99	31	15:48:42.733	19JNJUPNTB03-	NIMPBK	301ED	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :
602	99	31	15:48:50.733	19JNJUPNTB03-	DESELC	300ED	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :
603	99	31	15:49:34.733	19JNJUPNTB03-	NIMPBK	301EE	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	99	31	15:49:42.733	19JNJUPNTB03-	DESELC	300EE	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :	
605	99	31	15:50:00.733	19JNJUPNTB03-	NIMPBK	301EF	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :	
606	99	31	15:50:21.400	19JNJUPNTB03-	DESELC	300EF	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :	
607	99	31	15:52:45.400	19JNJUPNTB03-	NIMPBK	301EG	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :	
608	99	31	15:52:54.733	19JNJUPNTB03-	DESELC	300EG	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :	
609	99	31	15:55:08.734	19JNJUPNTB03-		-----STOP-------		2R3	4	0	: :	
610	99	31	16:00:24.733	19JNJUPNTB03-	NIMPBK	301EH	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :	
611	99	31	16:00:33.400	19JNJUPNTB03-	DESELC	300EH	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :	
612	99	31	16:00:42.066	19JNJUPNTB03-	NIMPBK	301EI	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :	
613	99	31	16:00:54.733	19JNJUPNTB03-	DESELC	300EI	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :	
614	99	31	16:01:25.400	19JNJUPNTB03-	NIMPBK	301EJ	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :	
615	99	31	16:02:00.066	19JNJUPNTB03-	DESELC	300EJ	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :	
616	99	31	16:02:06.066	117DO11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	4,848,295:86:0	
617	99	31	16:02:06.066	19JNJUPNTB03-	DESELC	300DO	JUPITER NORTHERN TEMPERATE BELT	2R3	4	0	: :	
618	99	31	16:02:08.733	165CF4A	7SCAN	NORM,279.156998,	Check S/P Position	2R3	4	0	4,848,295:90:0	
619	99	31	16:02:16.733	175DO6A	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	4,848,296:11:0	
620	99	31	16:02:16.733	175DO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,296:11:0	
621	99	31	16:02:16.733		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *1929.15 +/-	2R3	4	0	4,848,296:11:0	
622	99	31	16:02:17.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1929.09 +/-	2R3	4	0	4,848,296:12:8	
623	99	31	16:06:10.733	165CF4B	7VECT		Inert vect update UTC	2R3	4	0	4,848,299:89:0	
624	99	31	16:52:24.066	488AC6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	4,848,345:63:0	
625	99	31	17:12:02.066	41SW99A	POWER	PWR MODE change	Change to Maneuver/Playback Mode	2R3	4	0	4,848,365:10:0	
626	99	31	17:13:56.066	41SW3G	40T1P	1	PCT Heater 1 ON (primary relay)	2R3	4	0	4,848,366:90:0	
627	99	31	17:14:06.066	41SW3H	40T1P	2	PCT Heater 1 ON (primary relay)	2R3	4	0	4,848,367:14:0	
628	99	31	17:14:16.066	41SW3I	40T2	1	PCT Heater 2 ON	2R3	4	0	4,848,367:29:0	
629	99	31	17:14:26.066	41SW3J	40T2	2	PCT Heater 2 ON	2R3	4	0	4,848,367:44:0	
630	99	31	17:18:04.066	20SH4A	7SAFE	UNSTOW	S/P TO 153 deg cone	2R3	4	0	4,848,371:07:0	
631	99	31	17:24:02.066	432SA6A	6RTDS2	NIMNCG,AACNCG,RT	R/T ENG DESLECT	2R3	4	0	4,848,376:89:0	
632	99	31	17:29:00.066	20WC4A	7STAT	8.73,172.977,35.	Stator inertial point	2R3	4	0	4,848,381:81:0	
633	99	31	17:48:02.066	490UA412A4B	7MODE	INT	AACS INERTIAL MODE	2R3	4	0	4,848,400:65:0	
634	99	31	17:53:00.066	490UA412A4D	7SAFE	UNSTOW	S/P TO 153 deg cone	2R3	4	0	4,848,405:57:0	
635	99	31	17:53:20.066	20WC4B	7STAT	17.45,172.977,35	Stator inertial point	2R3	4	0	4,848,405:87:0	
636	99	31	17:54:23.400	432SB6A	6RTSL2	NIMNCG,AACNCG,RT	R/T ENG SELECT	2R3	4	0	4,848,407:00:0	
637	99	31	17:57:10.066	490UA412A4E	7VECT		Inert vect update UTC	2R3	4	0	4,848,409:68:0	
638	99	31	17:57:14.066	490UA412A4F	7TURN	2,MVR	ALERT Thruster	2R3	4	0	4,848,409:74:0	
639	99	31	17:59:52.066	488AD6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	4,848,412:38:0	
640	99	31	18:01:02.066	490UA412A406A4A	7STAR	71,700,278.81	Star catalog update	2R3	4	0	4,848,413:52:0	
641	99	31	18:01:04.066	490UA412A406A4B	7STAR	8,226,263.15	Star catalog update	2R3	4	0	4,848,413:55:0	
642	99	31	18:01:06.066	490UA412A406A4C	7STAR	9,150,319.35	Star catalog update	2R3	4	0	4,848,413:58:0	
643	99	31	18:01:08.066	490UA412A406A4D	7STAR	10,0,0.0,0.0	Star catalog update	2R3	4	0	4,848,413:61:0	
644	99	31	18:01:10.066	490UA412A406A4E	7STAR	11,0,0.0,0.0	Star catalog update	2R3	4	0	4,848,413:64:0	
645	99	31	18:01:12.066	490UA412A406A4F	7STAR	12,0,0.0,0.0	Star catalog update	2R3	4	0	4,848,413:67:0	
646	99	31	18:30:06.066	20WC4D	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	4,848,442:29:0	
647	99	31	18:31:10.066	490UA412A4G	7MODE	CRU	AACS CRUISE MODE	2R3	4	0	4,848,443:34:0	
648	99	31	18:49:58.733	432SC6A	6RTDS2	NIMNCG,AACNCG,RT	R/T ENG DESLECT	2R3	4	0	4,848,461:89:0	
649	99	31	18:59:00.066	20WD4A	7STAT	8.73,165.0,60.5	Stator inertial point	2R3	4	0	4,848,470:82:0	
650	99	31	19:18:02.066	490UB412A4B	7MODE	INT	AACS INERTIAL MODE	2R3	4	0	4,848,489:66:0	
651	99	31	19:23:00.066	490UB412A4D	7SAFE	UNSTOW	S/P TO 153 deg cone	2R3	4	0	4,848,494:58:0	
652	99	31	19:23:20.066	20WD4B	7STAT	17.45,165.0,60.5	Stator inertial point	2R3	4	0	4,848,494:88:0	
653	99	31	19:27:10.066	490UB412A4E	7VECT	MVR	Inert vect update UTC	2R3	4	0	4,848,498:69:0	
654	99	31	19:27:14.066	490UB412A4F	7TURN	2,MVR	ALERT Thruster	2R3	4	0	4,848,498:75:0	
655	99	31	19:31:02.066	490UB412A406A4A	7STAR	7,218,68.263,16.	Star catalog update	2R3	4	0	4,848,502:53:0	
656	99	31	19:31:04.066	490UB412A406A4B	7STAR	8,226,263.15	Star catalog update	2R3	4	0	4,848,502:56:0	
657	99	31	19:31:06.066	490UB412A406A4C	7STAR	91,051,200.64	Star catalog update	2R3	4	0	4,848,502:59:0	
658	99	31	19:31:08.066	490UB412A406A4D	7STAR	10,0,0.0,0.0	Star catalog update	2R3	4	0	4,848,502:62:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	99	31	19:31:10.066	490UB412A406A4E	7STAR	11,0,0.0,0.0	Star catalog update	2R3	4	0	4,848,502:65:0	
660	99	31	19:31:12.066	490UB412A406A4F	7STAR	12,0,0.0,0.0	Star catalog update	2R3	4	0	4,848,502:68:0	
661	**99**	**31**	**19:49:39.400**	**432SD6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**2R3**	**4**	**0**	**4,848,521:00:0**	
662	99	31	19:54:06.066	20WD4D	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	4,848,525:36:0	
663	99	31	19:55:10.066	490UB412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	2R3	4	0	4,848,526:41:0	
664	**99**	**31**	**20:44:14.066**	**432SE6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**2R3**	**4**	**0**	**4,848,574:89:0**	
665	99	31	20:57:59.400	432OF431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	4,848,588:53:0	
666	99	31	20:58:00.066	432OF6A	6RTSL1		R/T Select of DDS and	2R3	4	0	4,848,588:54:0	
667	99	31	21:01:26.066	165LC4A	7SCAN	NORM,274.016998,	Check S/P Position	2R3	4	0	4,848,591:90:0	
668	99	31	21:09:00.066	444UE443A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2R3	4	0	4,848,599:43:0	
669	99	31	21:14:00.066	41SZ99A	**POWER**	**PWR MODE change**	Change to Data Taking Mode	2R3	4	0	4,848,604:38:0	
670	**99**	**31**	**21:14:04.066**	**41SZ3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**2R3**	**4**	**0**	**4,848,604:44:0**	
671	**99**	**31**	**21:14:14.066**	**41SZ3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**2R3**	**4**	**0**	**4,848,604:59:0**	
672	**99**	**31**	**21:14:24.066**	**41SZ3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**2R3**	**4**	**0**	**4,848,604:74:0**	
673	**99**	**31**	**21:14:34.066**	**41SZ3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**2R3**	**4**	**0**	**4,848,604:89:0**	
674	99	31	21:19:38.066	165GC4A	7SCAN	NORM,273.743999,	Check S/P Position	2R3	4	0	4,848,609:90:0	
675	99	31	21:22:40.733	176GC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,848,613:00:0	
676	99	31	21:23:32.066	117GC	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,848,613:77:0	
677	99	31	21:23:41.400	117GC105A106A4A	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,614:00:0	
678	99	31	21:24:28.066	117GC105A106A4B	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,614:70:0	
679	99	31	21:24:38.733	117GC105A106A4C	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,614:86:0	
680	99	31	21:25:25.400	117GC105A106A4D	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,615:65:0	
681	99	31	21:25:36.066	117GC105A106A4E	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,615:81:0	
682	99	31	21:26:22.733	117GC105A106A4F	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,616:60:0	
683	99	31	21:26:33.400	117GC105A106A4G	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,616:76:0	
684	99	31	21:27:20.066	117GC105A106A4H	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,617:55:0	
685	99	31	21:27:30.733	117GC105A106A4I	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,617:71:0	
686	99	31	21:28:17.400	117GC105A106A4J	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,618:50:0	
687	99	31	21:28:28.066	117GC105A106A4K	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,618:66:0	
688	99	31	21:29:14.733	117GC105A106A4L	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,619:45:0	
689	99	31	21:29:25.400	117GC105A106A4M	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,619:61:0	
690	99	31	21:30:12.066	117GC105A106A4N	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,620:40:0	
691	99	31	21:30:22.733	117GC105A106A4O	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,620:56:0	
692	99	31	21:31:09.400	117GC105A106A4P	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,621:35:0	
693	99	31	21:31:20.066	117GC105A106A4Q	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,621:51:0	
694	99	31	21:32:06.733	117GC105A106A4R	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,622:30:0	
695	99	31	21:32:17.400	117GC105A106A4S	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,622:46:0	
696	99	31	21:33:04.066	117GC105A106A4T	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,623:25:0	
697	99	31	21:33:14.733	117GC105A106A4U	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,623:41:0	
698	99	31	21:34:01.400	117GC105A106A4V	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,624:20:0	
699	99	31	21:34:12.066	117GC105A106A4W	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,624:36:0	
700	99	31	21:34:58.733	117GC105A106A4X	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,625:15:0	
701	99	31	21:35:09.400	117GC105A106A4Y	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,625:31:0	
702	99	31	21:35:56.066	117GC105A106A4Z	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,626:10:0	
703	99	31	21:36:06.733	117GC105A106A4AA	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,626:26:0	
704	99	31	21:36:53.400	117GC105A106A4AB	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,627:05:0	
705	99	31	21:37:04.066	117GC105A106A4AC	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,627:21:0	
706	99	31	21:37:50.733	117GC105A106A4AD	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,628:00:0	
707	99	31	21:38:01.400	117GC105A106A4AE	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,628:16:0	
708	99	31	21:38:48.066	117GC105A106A4AF	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,628:86:0	
709	99	31	21:38:58.733	117GC105A106A4AG	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,629:11:0	
710	99	31	21:39:45.400	117GC105A106A4AH	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,629:81:0	
711	99	31	21:39:53.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,630:02:0	
712	99	31	21:39:53.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1929.09 +/-	2R3	4	0	4,848,630:02:0	
713	99	31	21:39:54.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1929.21 +/-	2R3	4	0	4,848,630:04:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	99	31	21:39:56.066	117GC105A106A4AI	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,630:06:0	
715	99	31	21:40:00.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1930.45 +/-	2R3	4	0	4,848,630:12:0	
716	99	31	21:40:01.266		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1930.51 +/-	2R3	4	0	4,848,630:13:8	
717	99	31	21:40:02.666		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1930.39 +/-	2R3	4	0	4,848,630:15:9	
718	99	31	21:40:28.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1924.28 +/-	2R3	4	0	4,848,630:55:0	
719	99	31	21:40:42.733	117GC105A106A4AJ	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,630:76:0	
720	99	31	21:40:51.400	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,630:89:0	
721	99	31	21:40:51.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1918.97 +/-	2R3	4	0	4,848,630:89:0	
722	99	31	21:40:52.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1918.91 +/-	2R3	4	0	4,848,630:90:8	
723	99	31	21:40:53.400	117GC105A106A4AK	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,631:01:0	
724	99	31	21:41:40.066	117GC105A106A4AL	7STRP	0.0077,0.0099,0,	Slew =12.01	2R3	4	0	4,848,631:71:0	
725	99	31	21:41:50.733	117GC105A106A4AM	7STRP	-0.0068,-0.01080	Slew =,0.29	2R3	4	0	4,848,631:87:0	
726	99	31	21:42:37.400	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,848,632:66:0	
727	99	31	21:44:24.733	176GC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,848,634:45:0	
728	99	31	21:44:26.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1918.91 +/-	2R3	4	0	4,848,634:48:0	
729	99	31	21:44:26.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,634:48:0	
730	99	31	21:44:28.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1919.03 +/-	2R3	4	0	4,848,634:50:1	
731	99	31	21:44:33.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1920.26 +/-	2R3	4	0	4,848,634:58:0	
732	99	31	21:44:34.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1920.32 +/-	2R3	4	0	4,848,634:59:8	
733	99	31	21:44:36.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1920.20 +/-	2R3	4	0	4,848,634:61:9	
734	99	31	21:44:36.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1920.03 +/-	2R3	4	0	4,848,634:63:0	
735	99	31	21:44:48.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,634:81:0	
736	99	31	21:44:48.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1917.22 +/-	2R3	4	0	4,848,634:81:0	
737	99	31	21:44:49.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1917.16 +/-	2R3	4	0	4,848,634:82:8	
738	99	31	21:55:01.400	165IA4A	7SCAN	NORM,272.453999,	Check S/P Position	2R3	4	0	4,848,644:90:0	
739	99	31	21:58:53.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1917.16 +/-	2R3	4	0	4,848,648:74:0	
740	99	31	21:58:53.400	175IA422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	4,848,648:74:0	
741	99	31	21:58:54.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1917.28 +/-	2R3	4	0	4,848,648:76:1	
742	99	31	21:59:00.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1918.51 +/-	2R3	4	0	4,848,648:84:0	
743	99	31	21:59:01.266		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *1918.57 +/-	2R3	4	0	4,848,648:85:8	
744	99	31	21:59:06.066	175IA176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	4,848,649:02:0	
745	99	31	21:59:06.533		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *1852.57 +/-	2R3	4	0	4,848,649:02:7	
746	99	31	21:59:06.533		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 1852.57 +/-	2R3	4	0	4,848,649:02:7	
747	99	31	21:59:08.066	175IA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,649:05:0	
748	99	31	21:59:08.066		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *1814.84 +/-	2R3	4	0	4,848,649:05:0	
749	99	31	21:59:10.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1803.34 +/-	2R3	4	0	4,848,649:09:1	
750	99	31	22:02:06.066	165GD4A	7SCAN	NORM,310.620998,	Check S/P Position	2R3	4	0	4,848,651:90:0	
751	99	31	22:05:08.733	176GD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,848,655:00:0	
752	99	31	22:06:00.066	117GD	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,848,655:77:0	
753	99	31	22:06:09.400	117GD105A106A4A	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,656:00:0	
754	99	31	22:07:33.400	117GD105A106A4B	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,657:35:0	
755	99	31	22:07:40.066	117GD105A106A4C	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,657:45:0	
756	99	31	22:09:04.066	117GD105A106A4D	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,658:80:0	
757	99	31	22:09:10.733	117GD105A106A4E	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,658:90:0	
758	99	31	22:10:34.733	117GD105A106A4F	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,660:34:0	
759	99	31	22:10:41.400	117GD105A106A4G	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,660:44:0	
760	99	31	22:12:05.400	117GD105A106A4H	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,661:79:0	
761	99	31	22:12:12.066	117GD105A106A4I	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,661:89:0	
762	99	31	22:13:36.066	117GD105A106A4J	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,663:33:0	
763	99	31	22:13:42.733	117GD105A106A4K	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,663:43:0	
764	99	31	22:15:06.733	117GD105A106A4L	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,664:78:0	
765	99	31	22:15:13.400	117GD105A106A4M	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,664:88:0	
766	99	31	22:16:37.400	117GD105A106A4N	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,666:32:0	
767	99	31	22:16:44.066	117GD105A106A4O	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,666:42:0	
768	99	31	22:18:08.066	117GD105A106A4P	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,667:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
769	99	31	22:18:14.733	117GD105A106A4Q	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,667:87:0
770	99	31	22:19:38.733	117GD105A106A4R	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,669:31:0
771	99	31	22:19:45.400	117GD105A106A4S	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,669:41:0
772	99	31	22:21:09.400	117GD105A106A4T	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,670:76:0
773	99	31	22:21:16.066	117GD105A106A4U	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,670:86:0
774	99	31	22:22:21.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,672:02:0
775	99	31	22:22:21.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1803.34 +/-	2R3	4	0	4,848,672:02:0
776	99	31	22:22:22.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1803.46 +/-	2R3	4	0	4,848,672:04:1
777	99	31	22:22:28.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1804.69 +/-	2R3	4	0	4,848,672:12:0
778	99	31	22:22:29.266		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1804.75 +/-	2R3	4	0	4,848,672:13:8
779	99	31	22:22:30.666		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1804.63 +/-	2R3	4	0	4,848,672:15:9
780	99	31	22:22:40.066	117GD105A106A4V	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,672:30:0
781	99	31	22:22:46.733	117GD105A106A4W	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,672:40:0
782	99	31	22:22:56.733		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *1798.52 +/-	2R3	4	0	4,848,672:55:0
783	99	31	22:23:19.400	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,672:89:0
784	99	31	22:23:19.400		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *1793.21 +/-	2R3	4	0	4,848,672:89:0
785	99	31	22:23:20.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1793.15 +/-	2R3	4	0	4,848,672:90:8
786	99	31	22:24:10.733	117GD105A106A4X	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,673:75:0
787	99	31	22:24:17.400	117GD105A106A4Y	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,673:85:0
788	99	31	22:25:41.400	117GD105A106A4Z	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,675:29:0
789	99	31	22:25:48.066	117GD105A106A4AA	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,675:39:0
790	99	31	22:27:12.066	117GD105A106A4AB	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,676:74:0
791	99	31	22:27:18.733	117GD105A106A4AC	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,676:84:0
792	99	31	22:28:42.733	117GD105A106A4AD	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,678:28:0
793	99	31	22:28:49.400	117GD105A106A4AE	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,678:38:0
794	99	31	22:30:13.400	117GD105A106A4AF	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,679:73:0
795	99	31	22:30:20.066	117GD105A106A4AG	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,679:83:0
796	99	31	22:31:44.066	117GD105A106A4AH	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,681:27:0
797	99	31	22:31:50.733	117GD105A106A4AI	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,681:37:0
798	99	31	22:33:14.733	117GD105A106A4AJ	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,682:72:0
799	99	31	22:33:21.400	117GD105A106A4AK	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,682:82:0
800	99	31	22:34:45.400	117GD105A106A4AL	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,684:26:0
801	99	31	22:34:52.066	117GD105A106A4AM	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,684:36:0
802	99	31	22:36:16.066	117GD105A106A4AN	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,685:71:0
803	99	31	22:36:22.733	117GD105A106A4AO	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,685:81:0
804	99	31	22:37:46.733	117GD105A106A4AP	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,687:25:0
805	99	31	22:37:53.400	117GD105A106A4AQ	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,687:35:0
806	99	31	22:39:17.400	117GD105A106A4AR	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,688:70:0
807	99	31	22:39:24.066	117GD105A106A4AS	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,688:80:0
808	99	31	22:40:12.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1793.15 +/-	2R3	4	0	4,848,689:62:0
809	99	31	22:40:12.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,689:62:0
810	99	31	22:40:14.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1793.27 +/-	2R3	4	0	4,848,689:64:1
811	99	31	22:40:19.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1794.50 +/-	2R3	4	0	4,848,689:72:0
812	99	31	22:40:20.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1794.56 +/-	2R3	4	0	4,848,689:73:8
813	99	31	22:40:22.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1794.44 +/-	2R3	4	0	4,848,689:75:9
814	99	31	22:40:47.400		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *1788.49 +/-	2R3	4	0	4,848,690:23:0
815	99	31	22:40:48.066	117GD105A106A4AT	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,690:24:0
816	99	31	22:40:54.733	117GD105A106A4AU	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,690:34:0
817	99	31	22:41:10.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,690:57:0
818	99	31	22:41:10.066		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *1783.18 +/-	2R3	4	0	4,848,690:57:0
819	99	31	22:41:11.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1783.12 +/-	2R3	4	0	4,848,690:58:8
820	99	31	22:42:18.733	117GD105A106A4AV	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,691:69:0
821	99	31	22:42:25.400	117GD105A106A4AW	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,691:79:0
822	99	31	22:43:49.400	117GD105A106A4AX	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,693:23:0
823	99	31	22:43:56.066	117GD105A106A4AY	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,693:33:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	99	31	22:45:20.066	117GD105A106A4AZ	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,694:68:0	
825	99	31	22:45:26.733	117GD105A106A4BA	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,694:78:0	
826	99	31	22:46:50.733	117GD105A106A4BB	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,696:22:0	
827	99	31	22:46:57.400	117GD105A106A4BC	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,696:32:0	
828	99	31	22:48:21.400	117GD105A106A4BD	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,697:67:0	
829	99	31	22:48:28.066	117GD105A106A4BE	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,697:77:0	
830	99	31	22:49:52.066	117GD105A106A4BF	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,699:21:0	
831	99	31	22:49:58.733	117GD105A106A4BG	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,699:31:0	
832	99	31	22:51:22.733	117GD105A106A4BH	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,700:66:0	
833	99	31	22:51:29.400	117GD105A106A4BI	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,700:76:0	
834	99	31	22:52:53.400	117GD105A106A4BJ	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,702:20:0	
835	99	31	22:53:00.066	117GD105A106A4BK	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,702:30:0	
836	99	31	22:54:24.066	117GD105A106A4BL	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,703:65:0	
837	99	31	22:54:30.733	117GD105A106A4BM	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,703:75:0	
838	99	31	22:55:54.733	117GD105A106A4BN	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,705:19:0	
839	99	31	22:56:01.400	117GD105A106A4BO	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,705:29:0	
840	99	31	22:57:25.400	117GD105A106A4BP	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,706:64:0	
841	99	31	22:57:32.066	117GD105A106A4BQ	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,706:74:0	
842	99	31	22:58:04.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1783.12 +/-	2R3	4	0	4,848,707:31:0	
843	99	31	22:58:04.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,707:31:0	
844	99	31	22:58:05.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1783.24 +/-	2R3	4	0	4,848,707:33:1	
845	99	31	22:58:10.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1784.47 +/-	2R3	4	0	4,848,707:41:0	
846	99	31	22:58:11.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1784.53 +/-	2R3	4	0	4,848,707:42:8	
847	99	31	22:58:13.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1784.41 +/-	2R3	4	0	4,848,707:44:9	
848	99	31	22:58:38.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1778.46 +/-	2R3	4	0	4,848,707:83:0	
849	99	31	22:58:56.066	117GD105A106A4BR	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,708:18:0	
850	99	31	22:59:01.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1773.15 +/-	2R3	4	0	4,848,708:26:0	
851	99	31	22:59:01.400	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,708:26:0	
852	99	31	22:59:02.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1773.09 +/-	2R3	4	0	4,848,708:27:8	
853	99	31	22:59:02.733	117GD105A106A4BS	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,708:28:0	
854	99	31	23:00:26.733	117GD105A106A4BT	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,709:63:0	
855	99	31	23:00:33.400	117GD105A106A4BU	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,709:73:0	
856	99	31	23:01:57.400	117GD105A106A4BV	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,711:17:0	
857	99	31	23:02:04.066	117GD105A106A4BW	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,711:27:0	
858	99	31	23:03:28.066	117GD105A106A4BX	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,712:62:0	
859	99	31	23:03:34.733	117GD105A106A4BY	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,712:72:0	
860	99	31	23:04:58.733	117GD105A106A4BZ	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,714:16:0	
861	99	31	23:05:05.400	117GD105A106A4CA	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,714:26:0	
862	99	31	23:06:29.400	117GD105A106A4CB	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,715:61:0	
863	99	31	23:06:36.066	117GD105A106A4CC	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,715:71:0	
864	99	31	23:08:00.066	117GD105A106A4CD	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,717:15:0	
865	99	31	23:08:06.733	117GD105A106A4CE	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,717:25:0	
866	99	31	23:09:30.733	117GD105A106A4CF	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,718:60:0	
867	99	31	23:09:37.400	117GD105A106A4CG	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,718:70:0	
868	99	31	23:11:01.400	117GD105A106A4CH	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,720:14:0	
869	99	31	23:11:08.066	117GD105A106A4CI	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,720:24:0	
870	99	31	23:12:32.066	117GD105A106A4CJ	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,721:59:0	
871	99	31	23:12:38.733	117GD105A106A4CK	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,721:69:0	
872	99	31	23:14:02.733	117GD105A106A4CL	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,723:13:0	
873	99	31	23:14:09.400	117GD105A106A4CM	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,723:23:0	
874	99	31	23:15:33.400	117GD105A106A4CN	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,724:58:0	
875	99	31	23:15:40.066	117GD105A106A4CO	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,724:68:0	
876	99	31	23:15:55.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1773.09 +/-	2R3	4	0	4,848,725:00:0	
877	99	31	23:15:55.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,725:00:0	
878	99	31	23:15:56.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1773.21 +/-	2R3	4	0	4,848,725:02:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
879	99	31	23:16:02.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1774.44 +/-	2R3	4	0	4,848,725:10:0
880	99	31	23:16:03.266		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1774.50 +/-	2R3	4	0	4,848,725:11:8
881	99	31	23:16:04.666		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1774.38 +/-	2R3	4	0	4,848,725:13:9
882	99	31	23:16:30.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1768.43 +/-	2R3	4	0	4,848,725:52:0
883	99	31	23:16:52.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,725:86:0
884	99	31	23:16:52.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1763.11 +/-	2R3	4	0	4,848,725:86:0
885	99	31	23:16:53.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1763.05 +/-	2R3	4	0	4,848,725:87:8
886	99	31	23:17:04.066	117GD105A106A4CP	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,726:12:0
887	99	31	23:17:10.733	117GD105A106A4CQ	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,726:22:0
888	99	31	23:18:34.733	117GD105A106A4CR	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,727:57:0
889	99	31	23:18:41.400	117GD105A106A4CS	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,727:67:0
890	99	31	23:20:05.400	117GD105A106A4CT	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,729:11:0
891	99	31	23:20:12.066	117GD105A106A4CU	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,729:21:0
892	99	31	23:21:36.066	117GD105A106A4CV	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,730:56:0
893	99	31	23:21:42.733	117GD105A106A4CW	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,730:66:0
894	99	31	23:23:06.733	117GD105A106A4CX	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,732:10:0
895	99	31	23:23:13.400	117GD105A106A4CY	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,732:20:0
896	99	31	23:24:37.400	117GD105A106A4CZ	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,733:55:0
897	99	31	23:24:44.066	117GD105A106A4DA	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,733:65:0
898	99	31	23:26:08.066	117GD105A106A4DB	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,735:09:0
899	99	31	23:26:14.733	117GD105A106A4DC	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,735:19:0
900	99	31	23:27:38.733	117GD105A106A4DD	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,736:54:0
901	99	31	23:27:45.400	117GD105A106A4DE	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,736:64:0
902	99	31	23:29:09.400	117GD105A106A4DF	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,738:08:0
903	99	31	23:29:16.066	117GD105A106A4DG	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,738:18:0
904	99	31	23:30:40.066	117GD105A106A4DH	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,739:53:0
905	99	31	23:30:46.733	117GD105A106A4DI	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,739:63:0
906	99	31	23:32:10.733	117GD105A106A4DJ	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,741:07:0
907	99	31	23:32:17.400	117GD105A106A4DK	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,741:17:0
908	99	31	23:33:41.400	117GD105A106A4DL	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,742:52:0
909	99	31	23:33:46.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1763.05 +/-	2R3	4	0	4,848,742:60:0
910	99	31	23:33:46.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,742:60:0
911	99	31	23:33:48.066	117GD105A106A4DM	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,742:62:0
912	99	31	23:33:48.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1763.17 +/-	2R3	4	0	4,848,742:62:1
913	99	31	23:33:53.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1764.41 +/-	2R3	4	0	4,848,742:70:0
914	99	31	23:33:54.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1764.47 +/-	2R3	4	0	4,848,742:71:8
915	99	31	23:33:56.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1764.35 +/-	2R3	4	0	4,848,742:73:9
916	99	31	23:34:21.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1758.40 +/-	2R3	4	0	4,848,743:21:0
917	99	31	23:34:44.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1753.08 +/-	2R3	4	0	4,848,743:55:0
918	99	31	23:34:44.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,743:55:0
919	99	31	23:34:45.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1753.02 +/-	2R3	4	0	4,848,743:56:8
920	99	31	23:35:12.066	117GD105A106A4DN	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,744:06:0
921	99	31	23:35:18.733	117GD105A106A4DO	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,744:16:0
922	99	31	23:36:42.733	117GD105A106A4DP	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,745:51:0
923	99	31	23:36:49.400	117GD105A106A4DQ	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,745:61:0
924	99	31	23:38:13.400	117GD105A106A4DR	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,747:05:0
925	99	31	23:38:20.066	117GD105A106A4DS	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,747:15:0
926	99	31	23:39:44.066	117GD105A106A4DT	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,748:50:0
927	99	31	23:39:50.733	117GD105A106A4DU	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,748:60:0
928	99	31	23:41:14.733	117GD105A106A4DV	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,750:04:0
929	99	31	23:41:21.400	117GD105A106A4DW	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,750:14:0
930	99	31	23:42:45.400	117GD105A106A4DX	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,751:49:0
931	99	31	23:42:52.066	117GD105A106A4DY	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,751:59:0
932	99	31	23:44:16.066	117GD105A106A4DZ	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,753:03:0
933	99	31	23:44:22.733	117GD105A106A4EA	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,753:13:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	99	31	23:45:46.733	117GD105A106A4EB	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,754:48:0	
935	99	31	23:45:53.400	117GD105A106A4EC	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,754:58:0	
936	99	31	23:47:17.400	117GD105A106A4ED	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,756:02:0	
937	99	31	23:47:24.066	117GD105A106A4EE	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,756:12:0	
938	99	31	23:48:48.066	117GD105A106A4EF	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,757:47:0	
939	99	31	23:48:54.733	117GD105A106A4EG	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,757:57:0	
940	99	31	23:50:18.733	117GD105A106A4EH	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,759:01:0	
941	99	31	23:50:25.400	117GD105A106A4EI	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,759:11:0	
942	99	31	23:51:38.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1753.02 +/-	2R3	4	0	4,848,760:29:0	
943	99	31	23:51:38.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,760:29:0	
944	99	31	23:51:39.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1753.14 +/-	2R3	4	0	4,848,760:31:1	
945	99	31	23:51:44.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1754.38 +/-	2R3	4	0	4,848,760:39:0	
946	99	31	23:51:45.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1754.44 +/-	2R3	4	0	4,848,760:40:8	
947	99	31	23:51:47.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1754.32 +/-	2R3	4	0	4,848,760:42:9	
948	99	31	23:51:49.400	117GD105A106A4EJ	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,760:46:0	
949	99	31	23:51:56.066	117GD105A106A4EK	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,760:56:0	
950	99	31	23:52:12.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1748.36 +/-	2R3	4	0	4,848,760:81:0	
951	99	31	23:52:35.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1743.05 +/-	2R3	4	0	4,848,761:24:0	
952	99	31	23:52:35.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,761:24:0	
953	99	31	23:52:36.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1742.99 +/-	2R3	4	0	4,848,761:25:8	
954	99	31	23:53:20.066	117GD105A106A4EL	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,762:00:0	
955	99	31	23:53:26.733	117GD105A106A4EM	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,762:10:0	
956	99	31	23:54:50.733	117GD105A106A4EN	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,763:45:0	
957	99	31	23:54:57.400	117GD105A106A4EO	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,763:55:0	
958	99	31	23:56:21.400	117GD105A106A4EP	7STRP	-0.025536,0.0020	Slew =12.01	2R3	4	0	4,848,764:90:0	
959	99	31	23:56:28.066	117GD105A106A4EQ	7STRP	0.025706,0.0,0,0	Slew =,0.32	2R3	4	0	4,848,765:09:0	
960	99	31	23:57:52.066	117GD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,848,766:44:0	
961	99	32	00:06:58.733	176GD6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,848,775:45:0	
962	99	32	00:07:00.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,775:48:0	
963	99	32	00:07:00.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1742.99 +/-	2R3	4	0	4,848,775:48:0	
964	99	32	00:07:02.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1743.11 +/-	2R3	4	0	4,848,775:50:1	
965	99	32	00:07:07.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1744.35 +/-	2R3	4	0	4,848,775:58:0	
966	99	32	00:07:08.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1744.41 +/-	2R3	4	0	4,848,775:59:8	
967	99	32	00:07:10.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1744.29 +/-	2R3	4	0	4,848,775:61:9	
968	99	32	00:07:10.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1744.11 +/-	2R3	4	0	4,848,775:63:0	
969	99	32	00:07:30.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1739.43 +/-	2R3	4	0	4,848,776:02:0	
970	99	32	00:07:30.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,776:02:0	
971	99	32	00:07:31.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1739.37 +/-	2R3	4	0	4,848,776:03:8	
972	**99**	**32**	**00:08:30.066**	**432SF6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**2R3**	**4**	**0**	**4,848,777:00:0**	
973	99	32	00:09:30.733	411JA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,778:00:0	
974	99	32	00:09:30.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1739.37 +/-	2R3	4	0	4,848,778:00:0	
975	99	32	00:09:32.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1739.49 +/-	2R3	4	0	4,848,778:02:1	
976	99	32	00:09:37.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1740.72 +/-	2R3	4	0	4,848,778:10:0	
977	99	32	00:09:38.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1740.78 +/-	2R3	4	0	4,848,778:11:8	
978	99	32	00:09:40.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1740.66 +/-	2R3	4	0	4,848,778:13:9	
979	99	32	00:09:40.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1740.66 +/-	2R3	4	0	4,848,778:13:9	
980	99	32	00:09:40.733	411JA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	4,848,778:15:0	
981	99	32	00:11:42.066	411JA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,848,780:15:0	
982	99	32	00:11:44.733	175TN176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,848,780:19:0	
983	99	32	00:11:45.400	175TN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,780:20:0	
984	99	32	00:11:52.066	175TN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,780:30:0	
985	99	32	00:11:52.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1709.71 +/-	2R3	4	0	4,848,780:30:0	
986	99	32	00:11:53.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1709.65 +/-	2R3	4	0	4,848,780:31:8	
987	99	32	00:16:34.733	165GE4A	7SCAN	NORM,268.915997,	Check S/P Position	2R3	4	0	4,848,784:90:0	
988	99	32	00:19:37.400	176GE6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,848,788:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	99	32	00:20:28.733	117GE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,848,788:77:0	
990	99	32	00:20:38.066	117GE105A106A4A	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,789:00:0	
991	99	32	00:21:35.400	117GE105A106A4B	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,789:86:0	
992	99	32	00:21:46.733	117GE105A106A4C	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,790:12:0	
993	99	32	00:22:44.066	117GE105A106A4D	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,791:07:0	
994	99	32	00:22:55.400	117GE105A106A4E	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,791:24:0	
995	99	32	00:23:52.733	117GE105A106A4F	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,792:19:0	
996	99	32	00:24:04.066	117GE105A106A4G	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,792:36:0	
997	99	32	00:25:01.400	117GE105A106A4H	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,793:31:0	
998	99	32	00:25:12.733	117GE105A106A4I	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,793:48:0	
999	99	32	00:26:10.066	117GE105A106A4J	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,794:43:0	
1000	99	32	00:26:21.400	117GE105A106A4K	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,794:60:0	
1001	99	32	00:27:18.733	117GE105A106A4L	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,795:55:0	
1002	99	32	00:27:30.066	117GE105A106A4M	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,795:72:0	
1003	99	32	00:28:27.400	117GE105A106A4N	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,796:67:0	
1004	99	32	00:28:38.733	117GE105A106A4O	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,796:84:0	
1005	99	32	00:29:36.066	117GE105A106A4P	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,797:79:0	
1006	99	32	00:29:47.400	117GE105A106A4Q	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,798:05:0	
1007	99	32	00:30:44.733	117GE105A106A4R	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,799:00:0	
1008	99	32	00:30:56.066	117GE105A106A4S	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,799:17:0	
1009	99	32	00:31:53.400	117GE105A106A4T	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,800:12:0	
1010	99	32	00:32:04.733	117GE105A106A4U	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,800:29:0	
1011	99	32	00:33:02.066	117GE105A106A4V	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,801:24:0	
1012	99	32	00:33:13.400	117GE105A106A4W	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,801:41:0	
1013	99	32	00:34:10.733	117GE105A106A4X	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,802:36:0	
1014	99	32	00:34:22.066	117GE105A106A4Y	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,802:53:0	
1015	99	32	00:35:19.400	117GE105A106A4Z	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,803:48:0	
1016	99	32	00:35:30.733	117GE105A106A4AA	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,803:65:0	
1017	99	32	00:36:28.066	117GE105A106A4AB	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,804:60:0	
1018	99	32	00:36:39.400	117GE105A106A4AC	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,804:77:0	
1019	**99**	**32**	**00:36:47.400**	**432SG6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**2R3**	**4**	**0**	**4,848,804:89:0**	
1020	99	32	00:36:50.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,805:02:0	
1021	99	32	00:36:50.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1709.65 +/-	2R3	4	0	4,848,805:02:0	
1022	99	32	00:36:51.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1709.77 +/-	2R3	4	0	4,848,805:04:1	
1023	99	32	00:36:56.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1711.00 +/-	2R3	4	0	4,848,805:12:0	
1024	99	32	00:36:57.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1711.06 +/-	2R3	4	0	4,848,805:13:8	
1025	99	32	00:36:59.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1710.94 +/-	2R3	4	0	4,848,805:15:9	
1026	99	32	00:37:25.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1704.83 +/-	2R3	4	0	4,848,805:55:0	
1027	99	32	00:37:36.733	117GE105A106A4AD	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,805:72:0	
1028	99	32	00:37:48.066	117GE105A106A4AE	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,805:89:0	
1029	99	32	00:37:48.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,805:89:0	
1030	99	32	00:37:48.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1699.52 +/-	2R3	4	0	4,848,805:89:0	
1031	99	32	00:37:49.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1699.46 +/-	2R3	4	0	4,848,805:90:8	
1032	99	32	00:38:45.400	117GE105A106A4AF	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,806:84:0	
1033	99	32	00:38:56.733	117GE105A106A4AG	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,807:10:0	
1034	99	32	00:39:54.066	117GE105A106A4AH	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,808:05:0	
1035	99	32	00:40:05.400	117GE105A106A4AI	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,808:22:0	
1036	99	32	00:41:02.733	117GE105A106A4AJ	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,809:17:0	
1037	99	32	00:41:14.066	117GE105A106A4AK	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,809:34:0	
1038	99	32	00:42:11.400	117GE105A106A4AL	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,810:29:0	
1039	99	32	00:42:22.733	117GE105A106A4AM	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,810:46:0	
1040	99	32	00:43:20.066	117GE105A106A4AN	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,811:41:0	
1041	99	32	00:43:31.400	117GE105A106A4AO	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,811:58:0	
1042	99	32	00:44:28.733	117GE105A106A4AP	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,812:53:0	
1043	99	32	00:44:40.066	117GE105A106A4AQ	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,812:70:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	99	32	00:45:37.400	117GE105A106A4AR	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,813:65:0	
1045	99	32	00:45:48.733	117GE105A106A4AS	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,813:82:0	
1046	99	32	00:46:46.066	117GE105A106A4AT	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,814:77:0	
1047	99	32	00:46:57.400	117GE105A106A4AU	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,815:03:0	
1048	99	32	00:47:54.733	117GE105A106A4AV	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,815:89:0	
1049	99	32	00:48:06.066	117GE105A106A4AW	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,816:15:0	
1050	99	32	00:49:03.400	117GE105A106A4AX	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,817:10:0	
1051	99	32	00:49:14.733	117GE105A106A4AY	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,817:27:0	
1052	99	32	00:50:12.066	117GE105A106A4AZ	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,818:22:0	
1053	99	32	00:50:23.400	117GE105A106A4BA	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,818:39:0	
1054	99	32	00:51:20.733	117GE105A106A4BB	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,819:34:0	
1055	99	32	00:51:32.066	117GE105A106A4BC	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,819:51:0	
1056	99	32	00:52:29.400	117GE105A106A4BD	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,820:46:0	
1057	99	32	00:52:40.733	117GE105A106A4BE	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,820:63:0	
1058	99	32	00:53:38.066	117GE105A106A4BF	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,821:58:0	
1059	99	32	00:53:49.400	117GE105A106A4BG	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,821:75:0	
1060	99	32	00:54:41.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1699.46 +/-	2R3	4	0	4,848,822:62:0	
1061	99	32	00:54:41.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,822:62:0	
1062	99	32	00:54:42.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1699.58 +/-	2R3	4	0	4,848,822:64:1	
1063	99	32	00:54:46.733	117GE105A106A4BH	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,822:70:0	
1064	99	32	00:54:48.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1700.82 +/-	2R3	4	0	4,848,822:72:0	
1065	99	32	00:54:49.266		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1700.88 +/-	2R3	4	0	4,848,822:73:8	
1066	99	32	00:54:50.666		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1700.76 +/-	2R3	4	0	4,848,822:75:9	
1067	99	32	00:54:58.066	117GE105A106A4BI	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,822:87:0	
1068	99	32	00:55:16.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1694.80 +/-	2R3	4	0	4,848,823:23:0	
1069	99	32	00:55:38.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1689.49 +/-	2R3	4	0	4,848,823:57:0	
1070	99	32	00:55:38.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,823:57:0	
1071	99	32	00:55:39.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1689.43 +/-	2R3	4	0	4,848,823:58:8	
1072	99	32	00:55:55.400	117GE105A106A4BJ	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,823:82:0	
1073	99	32	00:56:06.733	117GE105A106A4BK	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,824:08:0	
1074	99	32	00:57:04.066	117GE105A106A4BL	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,825:03:0	
1075	99	32	00:57:15.400	117GE105A106A4BM	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,825:20:0	
1076	99	32	00:58:12.733	117GE105A106A4BN	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,826:15:0	
1077	99	32	00:58:24.066	117GE105A106A4BO	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,826:32:0	
1078	99	32	00:59:21.400	117GE105A106A4BP	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,827:27:0	
1079	99	32	00:59:32.733	117GE105A106A4BQ	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,827:44:0	
1080	99	32	01:00:00.066	481UL4A	7VECT	BB1	Inert vect update UTC	2R3	4	0	4,848,827:85:0	
1081	99	32	01:00:30.066	117GE105A106A4BR	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,828:39:0	
1082	99	32	01:00:41.400	117GE105A106A4BS	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,828:56:0	
1083	99	32	01:01:38.733	117GE105A106A4BT	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,829:51:0	
1084	99	32	01:01:50.066	117GE105A106A4BU	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,829:68:0	
1085	99	32	01:02:47.400	117GE105A106A4BV	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,830:63:0	
1086	99	32	01:02:58.733	117GE105A106A4BW	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,830:80:0	
1087	99	32	01:03:56.066	117GE105A106A4BX	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,831:75:0	
1088	99	32	01:04:07.400	117GE105A106A4BY	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,832:01:0	
1089	99	32	01:05:04.733	117GE105A106A4BZ	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,832:87:0	
1090	99	32	01:05:16.066	117GE105A106A4CA	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,833:13:0	
1091	99	32	01:06:13.400	117GE105A106A4CB	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,834:08:0	
1092	99	32	01:06:24.733	117GE105A106A4CC	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,834:25:0	
1093	99	32	01:07:22.066	117GE105A106A4CD	7STRP	0.0077,0.013501,	Slew =12.01	2R3	4	0	4,848,835:20:0	
1094	99	32	01:07:33.400	117GE105A106A4CE	7STRP	-0.009,-0.014401	Slew =,0.31	2R3	4	0	4,848,835:37:0	
1095	99	32	01:08:30.733	117GE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,848,836:32:0	
1096	99	32	01:10:40.733	176GE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,848,838:45:0	
1097	99	32	01:10:42.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1689.43 +/-	2R3	4	0	4,848,838:48:0	
1098	99	32	01:10:42.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,838:48:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	99	32	01:10:44.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1689.55 +/-	2R3	4	0	4,848,838:50:1	
1100	99	32	01:10:49.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1690.78 +/-	2R3	4	0	4,848,838:58:0	
1101	99	32	01:10:50.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1690.84 +/-	2R3	4	0	4,848,838:59:8	
1102	99	32	01:10:52.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *1690.72 +/-	2R3	4	0	4,848,838:61:9	
1103	99	32	01:10:52.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1690.55 +/-	2R3	4	0	4,848,838:63:0	
1104	99	32	01:11:10.733	165IB4A	7SCAN	NORM,261.875,-27	Check S/P Position	2R3	4	0	4,848,838:90:0	
1105	99	32	01:11:13.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1685.71 +/-	2R3	4	0	4,848,839:03:0	
1106	99	32	01:11:13.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,839:03:0	
1107	99	32	01:11:14.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1685.65 +/-	2R3	4	0	4,848,839:04:8	
1108	99	32	01:15:02.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1685.65 +/-	2R3	4	0	4,848,842:74:0	
1109	99	32	01:15:02.733	175IB422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	4,848,842:74:0	
1110	99	32	01:15:04.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1685.77 +/-	2R3	4	0	4,848,842:76:1	
1111	99	32	01:15:06.066	118IB	**SMOS**	GS		2R3	4	0	4,848,842:79:0	
1112	99	32	01:15:09.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1687.00 +/-	2R3	4	0	4,848,842:84:0	
1113	99	32	01:15:10.600		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *1687.06 +/-	2R3	4	0	4,848,842:85:8	
1114	99	32	01:15:15.400	175IB176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	4,848,843:02:0	
1115	99	32	01:15:15.866		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 1621.06 +/-	2R3	4	0	4,848,843:02:7	
1116	99	32	01:15:15.866		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *1621.06 +/-	2R3	4	0	4,848,843:02:7	
1117	99	32	01:15:16.066	118IB110A111A4A	7STRP	-0.0051,0.00675,	Slew =2,5.0	2R3	4	0	4,848,843:03:0	
1118	99	32	01:15:24.733	118IB11A	**SMOS**	GE		2R3	4	0	4,848,843:16:0	
1119	99	32	01:15:29.400	175IB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,843:23:0	
1120	99	32	01:15:29.400		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *1288.02 +/-	2R3	4	0	4,848,843:23:0	
1121	99	32	01:15:32.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1276.52 +/- 1	2R3	4	0	4,848,843:27:1	
1122	99	32	01:16:14.066	165IC4A	7SCAN	NORM,264.088997,	Check S/P Position	2R3	4	0	4,848,843:90:0	
1123	99	32	01:17:04.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1276.52 +/- 1	2R3	4	0	4,848,844:74:0	
1124	99	32	01:17:04.066	175ID422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	4,848,844:74:0	
1125	99	32	01:17:05.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1276.64 +/- 1	2R3	4	0	4,848,844:76:1	
1126	99	32	01:17:07.400	118IC	**SMOS**	GS		2R3	4	0	4,848,844:79:0	
1127	99	32	01:17:10.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1277.87 +/- 1	2R3	4	0	4,848,844:84:0	
1128	99	32	01:17:11.933		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *1277.93 +/- 1	2R3	4	0	4,848,844:85:8	
1129	99	32	01:17:16.733	175ID176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	4,848,845:02:0	
1130	99	32	01:17:17.200		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 1211.93 +/- 1	2R3	4	0	4,848,845:02:7	
1131	99	32	01:17:17.200		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *1211.93 +/- 1	2R3	4	0	4,848,845:02:7	
1132	99	32	01:17:17.400	118IC110A111A4A	7STRP	0.009,0.014001,2	Slew =2,5.0	2R3	4	0	4,848,845:03:0	
1133	99	32	01:17:26.066	118IC11A	**SMOS**	GE		2R3	4	0	4,848,845:16:0	
1134	99	32	01:17:28.066		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC * 944.51 +/- 1	2R3	4	0	4,848,845:19:0	
1135	99	32	01:17:28.066	175ID422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,845:19:0	
1136	99	32	01:17:30.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 933.01 +/- 1	2R3	4	0	4,848,845:23:1	
1137	99	32	01:18:15.400	165ID4A	7SCAN	NORM,264.32,-25.	Check S/P Position	2R3	4	0	4,848,845:90:0	
1138	99	32	01:19:05.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 933.01 +/- 1	2R3	4	0	4,848,846:74:0	
1139	99	32	01:19:05.400	175IC422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	4,848,846:74:0	
1140	99	32	01:19:06.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 933.13 +/- 1	2R3	4	0	4,848,846:76:1	
1141	99	32	01:19:08.733	118ID	**SMOS**	GS		2R3	4	0	4,848,846:79:0	
1142	99	32	01:19:12.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 934.36 +/- 1	2R3	4	0	4,848,846:84:0	
1143	99	32	01:19:13.266		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC * 934.42 +/- 1	2R3	4	0	4,848,846:85:8	
1144	99	32	01:19:18.066	175IC176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	4,848,847:02:0	
1145	99	32	01:19:18.533		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 868.42 +/- 1	2R3	4	0	4,848,847:02:7	
1146	99	32	01:19:18.533		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC * 868.42 +/- 1	2R3	4	0	4,848,847:02:7	
1147	99	32	01:19:18.733	118ID110A111A4A	7STRP	-0.001,0.00675,2	Slew =3,5.0	2R3	4	0	4,848,847:03:0	
1148	99	32	01:19:36.066	118ID11A	**SMOS**	GE		2R3	4	0	4,848,847:29:0	
1149	99	32	01:19:42.733	175IC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,847:39:0	
1150	99	32	01:19:42.733		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC * 272.88 +/- 1	2R3	4	0	4,848,847:39:0	
1151	99	32	01:19:45.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 261.38 +/- 1	2R3	4	0	4,848,847:43:1	
1152	99	32	01:21:11.400		DMS:	: *DMS-TURN	P7, TRACK 2, REV, TIC 261.38 +/- 1	2R3	4	0	4,848,848:81:0	
1153	99	32	01:21:11.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 261.38 +/- 1	2R3	4	0	4,848,848:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	99	32	01:21:11.400	465KC6A	6DTRN	CMD,6DTRN,465KC6	DMS TRACK TURNAROUND	2R3	4	0	4,848,848:81:0	
1155	99	32	01:21:12.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 261.50 +/- 1	2R3	4	0	4,848,848:83:1	
1156	99	32	01:21:18.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 262.73 +/- 1	2R3	4	0	4,848,849:00:0	
1157	99	32	01:21:19.266		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC * 262.79 +/- 1	2R3	4	0	4,848,849:01:8	
1158	99	32	01:21:20.666		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC * 262.67 +/- 1	2R3	4	0	4,848,849:03:9	
1159	99	32	01:25:48.533		DMS:	: *REVERSE	P7, TRACK 2, REV, TIC * 199.87 +/- 1	2R3	4	0	4,848,853:41:7	
1160	99	32	01:25:49.733		DMS:	: *RUNUP	P7, TRACK 3, FWD, TIC 199.81 +/- 1	2R3	4	0	4,848,853:43:5	
1161	99	32	01:25:49.733		DMS:	: *TURNARND	P7, TRACK *3, *FWD, TIC * 199.81 +/- 1	2R3	4	0	4,848,853:43:5	
1162	99	32	01:25:51.133		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC * 199.93 +/-	2R3	4	0	4,848,853:45:6	
1163	99	32	01:26:03.133		DMS:	: *AUTOSTOP	P7, TRACK 3, FWD, TIC * 202.06 +/-	2R3	4	0	4,848,853:63:6	
1164	99	32	01:26:04.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 202.12 +/-	2R3	4	0	4,848,853:65:4	
1165	99	32	01:32:17.400	465KD6A	6DMSC	P7,3	DMS Control Tape P/B 7.68kbps	2R3	4	0	4,848,859:79:0	
1166	99	32	01:32:17.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 202.12 +/-	2R3	4	0	4,848,859:79:0	
1167	99	32	01:32:24.066		DMS:	: *RUNUP	P7, TRACK *3, FWD, TIC 202.12 +/-	2R3	4	0	4,848,859:89:0	
1168	99	32	01:32:25.466		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC 202.24 +/-	2R3	4	0	4,848,860:00:1	
1169	99	32	01:32:25.466		DMS:	: *P_SLEW	P7, TRACK 3, FWD, TIC * 202.24 +/-	2R3	4	0	4,848,860:00:1	
1170	99	32	01:39:32.066	465KD6B	6DMSC	RDY,3	DMS Control Tape stop	2R3	4	0	4,848,867:03:0	
1171	99	32	01:39:32.066		DMS:	: *RUNDOWN	P7, TRACK 3, FWD, TIC * 302.23 +/-	2R3	4	0	4,848,867:03:0	
1172	99	32	01:39:33.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 302.29 +/-	2R3	4	0	4,848,867:04:8	
1173	99	32	01:40:30.733	411JC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,848,868:00:0	
1174	99	32	01:40:30.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 302.29 +/-	2R3	4	0	4,848,868:00:0	
1175	99	32	01:40:37.400		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 302.29 +/-	2R3	4	0	4,848,868:10:0	
1176	99	32	01:40:38.800		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC * 302.41 +/-	2R3	4	0	4,848,868:12:1	
1177	99	32	01:40:38.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 302.41 +/-	2R3	4	0	4,848,868:12:1	
1178	99	32	01:40:40.733	411JC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	4,848,868:15:0	
1179	99	32	01:42:42.066	411JC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,848,870:15:0	
1180	99	32	01:42:42.733		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC * 331.45 +/-	2R3	4	0	4,848,870:16:0	
1181	99	32	01:42:42.733	411JC6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,848,870:16:0	
1182	99	32	01:42:43.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 331.51 +/-	2R3	4	0	4,848,870:17:8	
1183	99	32	01:49:26.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 331.51 +/-	2R3	4	0	4,848,876:75:0	
1184	99	32	01:49:26.066	175TA422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,848,876:75:0	
1185	99	32	01:49:32.733		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 331.51 +/-	2R3	4	0	4,848,876:85:0	
1186	99	32	01:49:34.066	282NA431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	2R3	4	0	4,848,876:87:0	
1187	99	32	01:49:34.066	175TA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,848,876:87:0	
1188	99	32	01:49:34.133		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 331.63 +/-	2R3	4	0	4,848,876:87:1	
1189	99	32	01:49:34.133		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC * 331.63 +/-	2R3	4	0	4,848,876:87:1	
1190	99	32	01:49:36.733	431MA6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	2R3	4	0	4,848,877:00:0	
1191	**99**	**32**	**01:49:36.733**	**432SH6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**2R3**	**4**	**0**	**4,848,877:00:0**	
1192	99	32	01:50:35.400	165IE4A	7SCAN	NORM,252.745998,	Check S/P Position	2R3	4	0	4,848,877:88:0	
1193	99	32	01:52:10.733	428JA6A	6RCCLR			2R3	4	0	4,848,879:49:0	
1194	99	32	01:52:11.400	428JA6B	6RCSET	14		2R3	4	0	4,848,879:50:0	
1195	99	32	01:53:43.400	117IE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,848,881:06:0	
1196	99	32	01:54:34.066	175IE422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	4,848,881:82:0	
1197	99	32	01:54:34.066		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC * 401.93 +/-	2R3	4	0	4,848,881:82:0	
1198	99	32	01:54:35.266		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC * 401.99 +/-	2R3	4	0	4,848,881:83:8	
1199	99	32	01:54:37.400	165IE4B	7VECT		Inert vect update UTC	2R3	4	0	4,848,881:87:0	
1200	99	32	01:54:38.733	117IE105A106A4A	7STRP	0.0035,-0.025006	Slew =,3.26	2R3	4	0	4,848,881:89:0	
1201	99	32	01:54:40.066	175IE176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	4,848,882:00:0	
1202	99	32	01:54:40.533		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 467.99 +/-	2R3	4	0	4,848,882:00:7	
1203	99	32	01:54:40.533		DMS:	: *RECORD	R806, TRACK 3, FWD, TIC * 467.99 +/-	2R3	4	0	4,848,882:00:7	
1204	99	32	01:54:44.066	428JB6A	6RCCLR			2R3	4	0	4,848,882:06:0	
1205	99	32	01:54:44.733	428JB6B	6RCSET	11		2R3	4	0	4,848,882:07:0	
1206	99	32	01:54:49.400	175TB422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,848,882:14:0	
1207	99	32	01:54:49.400		DMS:	: *RUNDOWN	R806, TRACK 3, FWD, TIC * 686.19 +/-	2R3	4	0	4,848,882:14:0	
1208	99	32	01:54:50.066	117IE105A106A4B	7STRP	-0.006,-0.00825,	Slew =,3.01	2R3	4	0	4,848,882:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	99	32	01:54:52.133		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC * 697.69 +/-	2R3	4	0	4,848,882:18:1	
1210	99	32	01:54:53.400	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,848,882:20:0	
1211	99	32	01:54:53.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 697.81 +/-	2R3	4	0	4,848,882:20:2	
1212	99	32	01:54:53.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 697.81 +/-	2R3	4	0	4,848,882:20:2	
1213	99	32	01:54:56.733	428JC6A	6RCCLR			2R3	4	0	4,848,882:25:0	
1214	99	32	01:54:57.400	428JC6B	6RCSET	14		2R3	4	0	4,848,882:26:0	
1215	99	32	01:55:02.066		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 699.81 +/-	2R3	4	0	4,848,882:33:0	
1216	99	32	01:55:02.066	175IF422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	4,848,882:33:0	
1217	99	32	01:55:03.266		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC * 699.87 +/-	2R3	4	0	4,848,882:34:8	
1218	99	32	01:55:06.733	117IE105A106A4C	7STRP	0.0035,-0.025006	Slew =,3.26	2R3	4	0	4,848,882:40:0	
1219	99	32	01:55:08.066	175IF176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	4,848,882:42:0	
1220	99	32	01:55:08.533		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 765.87 +/-	2R3	4	0	4,848,882:42:7	
1221	99	32	01:55:08.533		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC * 765.87 +/-	2R3	4	0	4,848,882:42:7	
1222	99	32	01:55:12.733	428JD6A	6RCCLR			2R3	4	0	4,848,882:49:0	
1223	99	32	01:55:13.400	428JD6B	6RCSET	11		2R3	4	0	4,848,882:50:0	
1224	99	32	01:55:17.400	175TC422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,848,882:56:0	
1225	99	32	01:55:17.400		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC * 984.08 +/-	2R3	4	0	4,848,882:56:0	
1226	99	32	01:55:18.066	117IE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,848,882:57:0	
1227	99	32	01:55:20.133		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC * 995.58 +/-	2R3	4	0	4,848,882:60:1	
1228	99	32	01:55:21.400	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,848,882:62:0	
1229	99	32	01:55:21.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 995.70 +/-	2R3	4	0	4,848,882:62:2	
1230	99	32	01:55:21.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 995.70 +/-	2R3	4	0	4,848,882:62:2	
1231	99	32	01:56:44.733	428JE6A	6RCCLR			2R3	4	0	4,848,884:05:0	
1232	99	32	01:56:45.400	428JE6B	6RCSET	14		2R3	4	0	4,848,884:06:0	
1233	99	32	01:58:42.066	165IF4A	7SCAN	NORM,241.306999,	Check S/P Position	2R3	4	0	4,848,885:90:0	
1234	99	32	01:59:35.400	118IF	**SMOS**	GS		2R3	4	0	4,848,886:79:0	
1235	99	32	01:59:38.733		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1055.98 +/-	2R3	4	0	4,848,886:84:0	
1236	99	32	01:59:38.733	175IG422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	4,848,886:84:0	
1237	99	32	01:59:39.933		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *1056.04 +/-	2R3	4	0	4,848,886:85:8	
1238	99	32	01:59:42.066	165IF4B	7VECT		Inert vect update UTC	2R3	4	0	4,848,886:89:0	
1239	99	32	01:59:44.733	175IG176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	4,848,887:02:0	
1240	99	32	01:59:45.200		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *1122.04 +/-	2R3	4	0	4,848,887:02:7	
1241	99	32	01:59:45.200		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 1122.04 +/- 1	2R3	4	0	4,848,887:02:7	
1242	99	32	01:59:45.400	118IF110A111A4A	7STRP	0.00285,0.00675,	Slew =3,5.0	2R3	4	0	4,848,887:03:0	
1243	99	32	01:59:59.400	428JF6A	6RCCLR			2R3	4	0	4,848,887:24:0	
1244	99	32	02:00:00.066	428JF6B	6RCSET	11		2R3	4	0	4,848,887:25:0	
1245	99	32	02:00:02.733	118IF11A	**SMOS**	GE		2R3	4	0	4,848,887:29:0	
1246	99	32	02:00:03.400	116IF4A	7STRP	0.00195,0.00675,	Slew =,3.01	2R3	4	0	4,848,887:30:0	
1247	99	32	02:00:18.066	175TD422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,848,887:52:0	
1248	99	32	02:00:18.066		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *1930.87 +/- 1	2R3	4	0	4,848,887:52:0	
1249	99	32	02:00:20.800		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *1942.37 +/- 1	2R3	4	0	4,848,887:56:1	
1250	99	32	02:00:22.066	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,848,887:58:0	
1251	99	32	02:00:22.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1942.49 +/- 1	2R3	4	0	4,848,887:58:2	
1252	99	32	02:00:22.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1942.49 +/- 1	2R3	4	0	4,848,887:58:2	
1253	99	32	02:01:30.066	428JG6A	6RCCLR			2R3	4	0	4,848,888:69:0	
1254	99	32	02:01:30.733	428JG6B	6RCSET	14		2R3	4	0	4,848,888:70:0	
1255	99	32	02:01:44.066	165IG4A	7SCAN	NORM,228.521999,	Check S/P Position	2R3	4	0	4,848,888:90:0	
1256	99	32	02:03:27.400	165IG4B	7VECT		Inert vect update UTC	2R3	4	0	4,848,890:63:0	
1257	99	32	02:03:40.066		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1988.86 +/- 1	2R3	4	0	4,848,890:82:0	
1258	99	32	02:03:40.066	175IH422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	4,848,890:82:0	
1259	99	32	02:03:41.266		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *1988.92 +/- 1	2R3	4	0	4,848,890:83:8	
1260	99	32	02:03:46.066	175IH176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	4,848,891:00:0	
1261	99	32	02:03:46.533		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2054.92 +/- 1	2R3	4	0	4,848,891:00:7	
1262	99	32	02:03:46.533		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 2054.92 +/- 1	2R3	4	0	4,848,891:00:7	
1263	99	32	02:03:48.733	175TE422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,848,891:04:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	99	32	02:03:48.733		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *2109.06 +/- 1	2R3	4	0	4,848,891:04:0	
1265	99	32	02:03:51.466		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2120.56 +/- 1	2R3	4	0	4,848,891:08:1	
1266	99	32	02:03:52.733	175TE176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,848,891:10:0	
1267	99	32	02:03:52.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2120.68 +/- 1	2R3	4	0	4,848,891:10:2	
1268	99	32	02:03:52.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2120.68 +/- 1	2R3	4	0	4,848,891:10:2	
1269	99	32	02:04:00.733		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2122.53 +/- 1	2R3	4	0	4,848,891:22:0	
1270	99	32	02:04:00.733	175II422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	4,848,891:22:0	
1271	99	32	02:04:01.933		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *2122.59 +/- 1	2R3	4	0	4,848,891:23:8	
1272	99	32	02:04:06.733	175II176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	4,848,891:31:0	
1273	99	32	02:04:07.200		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 2188.59 +/- 2	2R3	4	0	4,848,891:31:7	
1274	99	32	02:04:07.200		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2188.59 +/- 1	2R3	4	0	4,848,891:31:7	
1275	99	32	02:04:10.733	428JJ6A	6RCCLR			2R3	4	0	4,848,891:37:0	
1276	99	32	02:04:11.400	428JJ6B	6RCSET	11		2R3	4	0	4,848,891:38:0	
1277	99	32	02:04:14.066	175TF422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,848,891:42:0	
1278	99	32	02:04:14.066		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *2357.57 +/- 2	2R3	4	0	4,848,891:42:0	
1279	99	32	02:04:16.800		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2369.07 +/- 2	2R3	4	0	4,848,891:46:1	
1280	99	32	02:04:18.066	175TF176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,848,891:48:0	
1281	99	32	02:04:18.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2369.19 +/- 2	2R3	4	0	4,848,891:48:2	
1282	99	32	02:04:18.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2369.19 +/- 2	2R3	4	0	4,848,891:48:2	
1283	99	32	02:04:31.400	165II4A	7SCAN	NORM,224.210999,	Check S/P Position	2R3	4	0	4,848,891:68:0	
1284	99	32	02:05:06.066	428JK6A	6RCCLR			2R3	4	0	4,848,892:29:0	
1285	99	32	02:05:06.733	428JK6B	6RCSET	14		2R3	4	0	4,848,892:30:0	
1286	99	32	02:05:28.733	165II4B	7VECT		Inert vect update UTC	2R3	4	0	4,848,892:63:0	
1287	99	32	02:05:41.400	175IK422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	4,848,892:82:0	
1288	99	32	02:05:41.400		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2388.69 +/- 2	2R3	4	0	4,848,892:82:0	
1289	99	32	02:05:42.600		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *2388.75 +/- 2	2R3	4	0	4,848,892:83:8	
1290	99	32	02:05:47.400	175IK176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	4,848,893:00:0	
1291	99	32	02:05:47.866		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2454.75 +/- 2	2R3	4	0	4,848,893:00:7	
1292	99	32	02:05:47.866		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 2454.75 +/- 2	2R3	4	0	4,848,893:00:7	
1293	99	32	02:05:50.066	175TG422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,848,893:04:0	
1294	99	32	02:05:50.066		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *2508.89 +/- 2	2R3	4	0	4,848,893:04:0	
1295	99	32	02:05:52.800		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2520.39 +/- 2	2R3	4	0	4,848,893:08:1	
1296	99	32	02:05:54.066	175TG176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,848,893:10:0	
1297	99	32	02:05:54.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2520.51 +/- 2	2R3	4	0	4,848,893:10:2	
1298	99	32	02:05:54.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2520.51 +/- 2	2R3	4	0	4,848,893:10:2	
1299	99	32	02:06:02.066		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2522.35 +/- 2	2R3	4	0	4,848,893:22:0	
1300	99	32	02:06:02.066	175IL422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	4,848,893:22:0	
1301	99	32	02:06:03.266		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *2522.41 +/- 2	2R3	4	0	4,848,893:23:8	
1302	99	32	02:06:08.066	175IL176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	4,848,893:31:0	
1303	99	32	02:06:08.533		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 2588.41 +/- 3	2R3	4	0	4,848,893:31:7	
1304	99	32	02:06:08.533		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2588.41 +/- 2	2R3	4	0	4,848,893:31:7	
1305	99	32	02:06:12.066	428JN6A	6RCCLR			2R3	4	0	4,848,893:37:0	
1306	99	32	02:06:12.733	428JN6B	6RCSET	11		2R3	4	0	4,848,893:38:0	
1307	99	32	02:06:15.400		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *2757.40 +/- 3	2R3	4	0	4,848,893:42:0	
1308	99	32	02:06:15.400	175TH422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,848,893:42:0	
1309	99	32	02:06:18.133		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2768.90 +/- 3	2R3	4	0	4,848,893:46:1	
1310	99	32	02:06:19.400	175TH176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,848,893:48:0	
1311	99	32	02:06:19.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2769.02 +/- 3	2R3	4	0	4,848,893:48:2	
1312	99	32	02:06:19.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2769.02 +/- 3	2R3	4	0	4,848,893:48:2	
1313	99	32	02:06:32.733	165IK4A	7SCAN	NORM,216.939999,	Check S/P Position	2R3	4	0	4,848,893:68:0	
1314	99	32	02:07:07.400	428JO6A	6RCCLR			2R3	4	0	4,848,894:29:0	
1315	99	32	02:07:08.066	428JO6B	6RCSET	14		2R3	4	0	4,848,894:30:0	
1316	99	32	02:07:30.066	165IK4B	7VECT		Inert vect update UTC	2R3	4	0	4,848,894:63:0	
1317	99	32	02:07:42.733		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2788.52 +/- 3	2R3	4	0	4,848,894:82:0	
1318	99	32	02:07:42.733	175IN422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	4,848,894:82:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	99	32	02:07:43.933		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *2788.58 +/- 3	2R3	4	0	4,848,894:83:8	
1320	99	32	02:07:48.733	175IN176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	4,848,895:00:0	
1321	99	32	02:07:49.200		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 2854.58 +/- 3	2R3	4	0	4,848,895:00:7	
1322	99	32	02:07:49.200		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2854.58 +/- 3	2R3	4	0	4,848,895:00:7	
1323	99	32	02:07:51.400		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *2908.72 +/- 3	2R3	4	0	4,848,895:04:0	
1324	99	32	02:07:51.400	175TI422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,848,895:04:0	
1325	99	32	02:07:54.133		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2920.22 +/- 3	2R3	4	0	4,848,895:08:1	
1326	99	32	02:07:55.400	175TI176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,848,895:10:0	
1327	99	32	02:07:55.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2920.34 +/- 3	2R3	4	0	4,848,895:10:2	
1328	99	32	02:07:55.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2920.34 +/- 3	2R3	4	0	4,848,895:10:2	
1329	99	32	02:08:03.400	175IO422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	4,848,895:22:0	
1330	99	32	02:08:03.400		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2922.18 +/- 3	2R3	4	0	4,848,895:22:0	
1331	99	32	02:08:04.600		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *2922.24 +/- 3	2R3	4	0	4,848,895:23:8	
1332	99	32	02:08:09.400	175IO176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	4,848,895:31:0	
1333	99	32	02:08:09.866		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2988.24 +/- 3	2R3	4	0	4,848,895:31:7	
1334	99	32	02:08:09.866		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 2988.24 +/- 3	2R3	4	0	4,848,895:31:7	
1335	99	32	02:08:13.400	428JR6A	6RCCLR			2R3	4	0	4,848,895:37:0	
1336	99	32	02:08:14.066	428JR6B	6RCSET	11		2R3	4	0	4,848,895:38:0	
1337	99	32	02:08:16.733	175TJ422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,848,895:42:0	
1338	99	32	02:08:16.733		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3157.23 +/- 3	2R3	4	0	4,848,895:42:0	
1339	99	32	02:08:19.466		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3168.73 +/- 4	2R3	4	0	4,848,895:46:1	
1340	99	32	02:08:20.733	175TJ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,848,895:48:0	
1341	99	32	02:08:20.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3168.85 +/- 4	2R3	4	0	4,848,895:48:2	
1342	99	32	02:08:20.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3168.85 +/- 4	2R3	4	0	4,848,895:48:2	
1343	99	32	02:08:48.733	165IM4A	7SCAN	NORM,196.938,-34	Check S/P Position	2R3	4	0	4,848,895:90:0	
1344	99	32	02:09:54.066	117IM	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,848,897:06:0	
1345	99	32	02:10:00.066	481UM4A	7VECT		Inert vect update UTC	2R3	4	0	4,848,897:15:0	
1346	99	32	02:10:36.066	428JS6A	6RCCLR			2R3	4	0	4,848,897:69:0	
1347	99	32	02:10:36.733	428JS6B	6RCSET	14		2R3	4	0	4,848,897:70:0	
1348	99	32	02:10:44.733		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3202.57 +/- 4	2R3	4	0	4,848,897:82:0	
1349	99	32	02:10:44.733	175IQ422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	4,848,897:82:0	
1350	99	32	02:10:45.933		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *3202.63 +/- 4	2R3	4	0	4,848,897:83:8	
1351	99	32	02:10:48.066	165IM4B	7VECT		Inert vect update UTC	2R3	4	0	4,848,897:87:0	
1352	99	32	02:10:49.400	117IM105A106A4A	7STRP	-0.085205,0.0902	Slew =,2.66	2R3	4	0	4,848,897:89:0	
1353	99	32	02:10:50.733	175IQ176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	4,848,898:00:0	
1354	99	32	02:10:51.200		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 3268.63 +/- 4	2R3	4	0	4,848,898:00:7	
1355	99	32	02:10:51.200		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3268.63 +/- 4	2R3	4	0	4,848,898:00:7	
1356	99	32	02:11:06.733	428JT6A	6RCCLR			2R3	4	0	4,848,898:24:0	
1357	99	32	02:11:07.400	428JT6B	6RCSET	11		2R3	4	0	4,848,898:25:0	
1358	99	32	02:11:26.066	175TK422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,848,898:53:0	
1359	99	32	02:11:26.066		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *4126.67 +/- 4	2R3	4	0	4,848,898:53:0	
1360	99	32	02:11:26.733	117IM105A106B4A	7STRP	-0.003,0.0,0,0,0	Slew =,2.71	2R3	4	0	4,848,898:54:0	
1361	99	32	02:11:28.800		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4138.17 +/- 4	2R3	4	0	4,848,898:57:1	
1362	99	32	02:11:30.066	175TK176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,848,898:59:0	
1363	99	32	02:11:30.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4138.29 +/- 4	2R3	4	0	4,848,898:59:2	
1364	99	32	02:11:30.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4138.29 +/- 4	2R3	4	0	4,848,898:59:2	
1365	99	32	02:11:34.066	428JU6A	6RCCLR			2R3	4	0	4,848,898:65:0	
1366	99	32	02:11:34.733	428JU6B	6RCSET	14		2R3	4	0	4,848,898:66:0	
1367	99	32	02:11:38.066		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4140.14 +/- 4	2R3	4	0	4,848,898:71:0	
1368	99	32	02:11:38.066	175IR422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	4,848,898:71:0	
1369	99	32	02:11:39.266		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *4140.20 +/- 4	2R3	4	0	4,848,898:72:8	
1370	99	32	02:11:42.733	117IM105A106B4B	7STRP	-0.090244,0.0801	Slew =,2.66	2R3	4	0	4,848,898:78:0	
1371	99	32	02:11:44.066	175IR176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	4,848,898:80:0	
1372	99	32	02:11:44.533		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *4206.20 +/- 4	2R3	4	0	4,848,898:80:7	
1373	99	32	02:11:44.533		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 4206.20 +/- 4	2R3	4	0	4,848,898:80:7	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	99	32	02:12:01.400	428JV6A	6RCCLR			2R3	4	0	4,848,899:15:0	
1375	99	32	02:12:02.066	428JV6B	6RCSET	11		2R3	4	0	4,848,899:16:0	
1376	99	32	02:12:19.400	175TL422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,848,899:42:0	
1377	99	32	02:12:19.400		DMS:	: *RUNDOWN	R806, TRACK 3, FWD, TIC *5064.24 +/- 4	2R3	4	0	4,848,899:42:0	
1378	99	32	02:12:20.066	117IM11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	4,848,899:43:0	
1379	99	32	02:12:22.133		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5075.74 +/- 5	2R3	4	0	4,848,899:46:1	
1380	99	32	02:12:23.400	175TL176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,848,899:48:0	
1381	99	32	02:12:23.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5075.86 +/- 5	2R3	4	0	4,848,899:48:2	
1382	99	32	02:12:23.533		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *5075.86 +/- 5	2R3	4	0	4,848,899:48:2	
1383	99	32	02:20:00.066	428JW6A	6RCCLR			2R3	4	0	4,848,907:05:0	
1384	99	32	02:20:00.733	428JW6B	6RCSET	12		2R3	4	0	4,848,907:06:0	
1385	99	32	02:20:00.733	19NNHEXICE02-		-----START------		2R3	4	0	: :	
1386	99	32	02:20:56.733	165DF4A	7SCAN	NORM,172.651999,	Check S/P Position	2R3	4	0	4,848,907:90:0	
1387	99	32	02:21:04.733	20DF5A	37PL		Program Load (halts microprocessor & unwri	2R3	4	0	4,848,908:11:0	
1388	99	32	02:21:11.400	20DF5B	37MRL		Memory Realocate (software operates from R	2R3	4	0	4,848,908:21:0	
1389	99	32	02:21:18.066	20DF6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	2R3	4	0	4,848,908:31:0	
1390	99	32	02:21:28.066	20DF6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	2R3	4	0	4,848,908:46:0	
1391	99	32	02:21:38.066	20DF5C	37IRT		Instrument Reset (goes into POR state)	260	4	0	4,848,908:61:0	
1392	99	32	02:21:39.400	20DF5D	37MN		Memory Normal (software operates from ROM)	260	4	0	4,848,908:63:0	
1393	99	32	02:21:50.733	20DF4A	37IST	1,2,0,OFF,0,1,1	Chopper ON, Sync, Chopper (Ref)Gain State	4R0	4	0	4,848,908:80:0	
1394	99	32	02:22:02.066	19NNHEXICE02-		-----STOP-------		4R0	4	0	: :	
1395	99	32	02:22:54.066	127DF4A	37IOP	7,0	Fixed Map, Grating Start Position =00	4R7	4	0	4,848,909:84:0	
1396	99	32	02:22:54.066	127DF	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	0	4,848,909:84:0	
1397	99	32	02:22:54.733	127DF4B	37ETB	04,C4,1B,FF,FF	Loads wavelength edit table	4R7	4	0	4,848,909:85:0	
1398	99	32	02:23:02.733	127DF11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	0	4,848,910:06:0	
1399	99	32	02:23:02.733	19ENHEXICE02-		-----START------		4R7	4	0	: :	
1400	99	32	02:23:50.733	175DF422A6A	6DMSC	R28,3	DMS Control	4R7	4	0	4,848,910:78:0	
1401	99	32	02:23:50.733		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *5236.93 +/- 5	4R7	4	0	4,848,910:78:0	
1402	99	32	02:23:51.933		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *5236.99 +/- 5	4R7	4	0	4,848,910:79:8	
1403	99	32	02:23:55.933		DMS:	: *RECORD	R28, TRACK 3, FWD, TIC *5238.49 +/- 5	4R7	4	0	4,848,910:85:8	
1404	99	32	02:23:55.933		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 5238.49 +/- 5	4R7	4	0	4,848,910:85:8	
1405	99	32	02:23:56.066	175DF176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R7	4	0	4,848,910:86:0	
1406	99	32	02:23:58.066	165DF4B	7VECT		Inert vect update UTC	4R7	4	0	4,848,910:89:0	
1407	99	32	02:24:00.066	19NNHEXICE02-	NIMPBK	301DF	SEARCH FOR HEXAGONAL ICE	4R7	4	0	: :	
1408	99	32	02:26:47.066	19NNHEXICE02-	NIMPBK	301DX	SEARCH FOR HEXAGONAL ICE	4R7	4	0	: :	
1409	99	32	02:27:05.066	19NNHEXICE02-	DESELC	300DX	SEARCH FOR HEXAGONAL ICE	4R7	4	0	: :	
1410	99	32	02:27:58.066	481UN4A	7VECT	BB2	Inert vect update UTC	4R7	4	0	4,848,914:85:0	
1411	99	32	02:28:05.400	428JX6A	6RCCLR			4R7	4	0	4,848,915:05:0	
1412	99	32	02:28:06.066	428JX6B	6RCSET	8		4R7	4	0	4,848,915:06:0	
1413	99	32	02:29:30.066	165DF4C	7VECT		Inert vect update UTC	4R7	4	0	4,848,916:41:0	
1414	99	32	02:30:07.066	19NNHEXICE02-	NIMPBK	301DY	SEARCH FOR HEXAGONAL ICE	4R7	4	0	: :	
1415	99	32	02:30:25.000	19NNHEXICE02-	DESELC	300DY	SEARCH FOR HEXAGONAL ICE	4R7	4	0	: :	
1416	99	32	02:31:16.000	19NNHEXICE02-	NIMPBK	301DZ	SEARCH FOR HEXAGONAL ICE	4R7	4	0	: :	
1417	99	32	02:31:30.000	19NNHEXICE02-	DESELC	300DZ	SEARCH FOR HEXAGONAL ICE	4R7	4	0	: :	
1418	99	32	02:34:58.066	19NNHEXICE02-	DESELC	300DF	SEARCH FOR HEXAGONAL ICE	4R7	4	0	: :	
1419	99	32	02:35:00.733	175TM422A6A	6DMSC	R7,3	DMS Control	4R7	4	0	4,848,921:82:0	
1420	99	32	02:35:00.733		DMS:	: *RUNDOWN	R28, TRACK 3, FWD, TIC *5822.78 +/- 5	4R7	4	0	4,848,921:82:0	
1421	99	32	02:35:01.933		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5823.08 +/- 5	4R7	4	0	4,848,921:83:8	
1422	99	32	02:35:03.333		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *5823.20 +/- 5	4R7	4	0	4,848,921:85:9	
1423	99	32	02:35:03.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5823.20 +/- 5	4R7	4	0	4,848,921:85:9	
1424	99	32	02:35:03.400	175TM176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R7	4	0	4,848,921:86:0	
1425	99	32	02:37:12.066	428JZ6A	6RCCLR			4R7	4	0	4,848,924:06:0	
1426	99	32	02:37:15.399	19ENHEXICE02-		-----STOP-------		4R7	4	0	: :	
1427	99	32	02:38:08.733	432JD6A	6RTSL1		R/T Select of DDS and	4R7	4	0	4,848,925:00:0	
1428	99	32	02:39:07.400	432MB431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	4R7	4	0	4,848,925:88:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	99	32	02:39:08.066	432MB6A	6RTSL1		R/T Select of DDS and	4R7	4	0	4,848,925:89:0	
1430	99	32	02:39:11.400		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *5881.34 +/- 5	4R7	4	0	4,848,926:03:0	
1431	99	32	02:39:11.400	175TM422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	0	4,848,926:03:0	
1432	99	32	02:39:11.400	432OA431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R7	4	0	4,848,926:03:0	
1433	99	32	02:39:12.066	432OA6A	6RTSL1		R/T Select of DDS and	4R7	4	0	4,848,926:04:0	
1434	99	32	02:39:12.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5881.40 +/- 5	4R7	4	0	4,848,926:04:8	
1435	**99**	**32**	**02:39:13.399**	**19NNHEXICE03-**		**-----START------**		**4R7**	**4**	**0**	**: :**	
1436	99	32	02:39:15.400	282NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R7	4	0	4,848,926:09:0	
1437	99	32	02:39:29.400		DMS:	: READY	RDY, TRACK *4, *REV, TIC 5881.40 +/- 5	4R7	4	0	4,848,926:30:0	
1438	99	32	02:39:29.400	465KE6A	6DMSC	RDY,4	DMS Control Tape stop	4R7	4	0	4,848,926:30:0	
1439	**99**	**32**	**02:39:55.400**	**20DG5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R7**	**4**	**0**	**4,848,926:69:0**	
1440	**99**	**32**	**02:40:02.733**	**20DG5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R7**	**4**	**0**	**4,848,926:80:0**	
1441	99	32	02:40:04.066	282NB432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R7	4	0	4,848,926:82:0	
1442	99	32	02:40:04.733	282NB432A6A	6RTSL1		R/T Select of DDS and	4R7	4	0	4,848,926:83:0	
1443	99	32	02:40:09.400	165DG4A	**7SCAN**	**NORM,111.905,17.**	**Check S/P Position**	4R7	4	0	4,848,926:90:0	
1444	**99**	**32**	**02:40:10.733**	**20DG6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R7**	**4**	**0**	**4,848,927:01:0**	
1445	**99**	**32**	**02:40:20.733**	**20DG6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R7**	**4**	**0**	**4,848,927:16:0**	
1446	**99**	**32**	**02:40:30.733**	**20DG5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,848,927:31:0**	
1447	**99**	**32**	**02:40:32.066**	**20DG5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,848,927:33:0**	
1448	99	32	02:40:34.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5881.40 +/- 5	260	4	0	4,848,927:37:0	
1449	99	32	02:40:34.733	411JB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	260	4	0	4,848,927:37:0	
1450	99	32	02:40:36.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5881.52 +/- 5	260	4	0	4,848,927:39:1	
1451	99	32	02:40:41.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5882.76 +/- 5	260	4	0	4,848,927:47:0	
1452	99	32	02:40:42.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5882.82 +/- 5	260	4	0	4,848,927:48:8	
1453	99	32	02:40:44.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5882.70 +/- 5	260	4	0	4,848,927:50:9	
1454	99	32	02:40:44.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5882.70 +/- 5	260	4	0	4,848,927:50:9	
1455	99	32	02:40:44.733	411JB6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	260	4	0	4,848,927:52:0	
1456	**99**	**32**	**02:41:03.400**	**20DG4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**4,848,927:80:0**	
1457	**99**	**32**	**02:41:14.733**	**19NNHEXICE03-**		**-----STOP-------**		**4R0**	**4**	**0**	**: :**	
1458	**99**	**32**	**02:42:15.399**	**19ENHEXICE03-**		**-----START------**		**4R0**	**4**	**0**	**: :**	
1459	99	32	02:42:46.066	411JB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R0	4	0	4,848,929:52:0	
1460	99	32	02:42:48.733	175TO176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R0	4	0	4,848,929:56:0	
1461	99	32	02:42:49.400	175TO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R0	4	0	4,848,929:57:0	
1462	99	32	02:42:56.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5851.75 +/- 5	4R0	4	0	4,848,929:67:0	
1463	99	32	02:42:56.066	175TO422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R0	4	0	4,848,929:67:0	
1464	99	32	02:42:57.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5851.69 +/- 5	4R0	4	0	4,848,929:68:8	
1465	**99**	**32**	**02:43:07.400**	**127DG4A**	**37IOP**	**7,0**	**Fixed Map, Grating Start Position =00**	**4R7**	**4**	**0**	**4,848,929:84:0**	
1466	99	32	02:43:07.400	127DG	NIMSTAB	GS	%%%%% GROUP START TAB	4R7	4	0	4,848,929:84:0	
1467	**99**	**32**	**02:43:08.066**	**127DG4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**4R7**	**4**	**0**	**4,848,929:85:0**	
1468	99	32	02:43:16.066	127DG11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R7	4	0	4,848,930:06:0	
1469	99	32	02:43:58.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5851.69 +/- 5	4R7	4	0	4,848,930:69:0	
1470	99	32	02:43:58.066	175DG422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R7	4	0	4,848,930:69:0	
1471	99	32	02:43:59.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5851.81 +/- 5	4R7	4	0	4,848,930:71:1	
1472	99	32	02:44:04.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5853.04 +/- 5	4R7	4	0	4,848,930:79:0	
1473	99	32	02:44:05.933		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *5853.10 +/- 5	4R7	4	0	4,848,930:80:8	
1474	99	32	02:44:09.400	175DG176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R7	4	0	4,848,930:86:0	
1475	99	32	02:44:09.933		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 5851.60 +/- 5	4R7	4	0	4,848,930:86:8	
1476	99	32	02:44:09.933		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *5851.60 +/- 5	4R7	4	0	4,848,930:86:8	
1477	99	32	02:44:11.400	165DG4B	7VECT		Inert vect update UTC	4R7	4	0	4,848,930:89:0	
1478	**99**	**32**	**02:44:16.733**	**19ENHEXICE03-**	**NIMPBK**	**301DG**	**EUROPA HEXAGONAL ICE OBSERVATION**	**4R7**	**4**	**0**	**: :**	
1479	**99**	**32**	**02:47:18.733**	**19ENHEXICE03-**	**DESELC**	**300DG**	**EUROPA HEXAGONAL ICE OBSERVATION**	**4R7**	**4**	**0**	**: :**	
1480	**99**	**32**	**02:51:30.333**	**19ENHEXICE03-**	**NIMPBK**	**301EP**	**EUROPA HEXAGONAL ICE OBSERVATION**	**4R7**	**4**	**0**	**: :**	
1481	**99**	**32**	**02:53:32.333**	**19ENHEXICE03-**	**DESELC**	**300EP**	**EUROPA HEXAGONAL ICE OBSERVATION**	**4R7**	**4**	**0**	**: :**	
1482	99	32	02:59:58.066	481UO4A	7VECT	BB1	Inert vect update UTC	4R7	4	0	4,848,946:53:0	
1483	**99**	**32**	**03:01:15.333**	**19ENHEXICE03-**	**NIMPBK**	**301EQ**	**EUROPA HEXAGONAL ICE OBSERVATION**	**4R7**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	99	32	03:02:18.000	19ENHEXICE03-	DESELC	300EQ	EUROPA HEXAGONAL ICE OBSERVATION	4R7	4	0	: :	
1485	99	32	03:03:20.066	444UB443A4A	7MODE	CRU	AACS CRUISE MODE	4R7	4	0	4,848,949:83:0	
1486	99	32	03:07:28.066	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	0	4,848,954:00:0	
1487	99	32	03:07:28.066		DMS:	: *RUNDOWN	R28, TRACK 4, REV, TIC *4622.77 +/- 5	4R7	4	0	4,848,954:00:0	
1488	99	32	03:07:29.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4622.47 +/- 5	4R7	4	0	4,848,954:01:8	
1489	99	32	03:09:28.733	165GF4A	7SCAN	NORM,326.205997,	Check S/P Position	4R7	4	0	4,848,955:90:0	
1490	99	32	03:09:29.399	19ENHEXICE03-		-----STOP-------		4R7	4	0	: :	
1491	99	32	03:12:31.400	176GF6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R7	4	0	4,848,959:00:0	
1492	99	32	03:13:22.733	117GF	CSMOS	GS	***** GROUP START CSMOS	4R7	4	0	4,848,959:77:0	
1493	99	32	03:13:32.066	117GF105A106A4A	7STRP	0.0054,0.0,0,0,0	Slew =,0.29	4R7	4	0	4,848,960:00:0	
1494	99	32	03:13:53.400	117GF11A	CSMOS	GE	***** GROUP END CSMOS	4R7	4	0	4,848,960:32:0	
1495	99	32	03:15:02.733	176GF6B	6TMREC	NRC	NO RECORD Record Mode Change	4R7	4	0	4,848,961:45:0	
1496	99	32	03:15:04.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4622.47 +/- 5	4R7	4	0	4,848,961:48:0	
1497	99	32	03:15:04.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	0	4,848,961:48:0	
1498	99	32	03:15:06.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4622.59 +/- 5	4R7	4	0	4,848,961:50:1	
1499	99	32	03:15:11.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4623.83 +/- 5	4R7	4	0	4,848,961:58:0	
1500	99	32	03:15:12.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4623.89 +/- 5	4R7	4	0	4,848,961:59:8	
1501	99	32	03:15:14.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4623.77 +/- 5	4R7	4	0	4,848,961:61:9	
1502	99	32	03:15:14.733		DMS:	: *RECORD	R7, TRACK 4, REV, TIC *4623.59 +/- 5	4R7	4	0	4,848,961:63:0	
1503	99	32	03:15:26.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R7	4	0	4,848,961:80:0	
1504	99	32	03:15:26.066		DMS:	: *RUNDOWN	R7, TRACK 4, REV, TIC *4620.94 +/- 5	4R7	4	0	4,848,961:80:0	
1505	99	32	03:15:27.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4620.88 +/- 5	4R7	4	0	4,848,961:81:8	
1506	99	32	03:17:33.400	432SI6A	6RTDS2	NIMNCG,AACNCG,RT	R/T ENG DESLECT	4R7	4	0	4,848,963:89:0	
1507	99	32	04:25:19.400	432SJ6A	6RTSL2	NIMNCG,AACNCG,RT	R/T ENG SELECT	4R7	4	0	4,849,031:00:0	
1508	99	32	04:26:00.066	41DT99A	POWER	PWR MODE change	Change to Maneuver/Playback Mode	4R7	4	0	4,849,031:61:0	
1509	99	32	04:27:54.066	41DT3G	40T1P	1	PCT Heater 1 ON (primary relay)	4R7	4	0	4,849,033:50:0	
1510	99	32	04:28:04.066	41DT3H	40T1P	2	PCT Heater 1 ON (primary relay)	4R7	4	0	4,849,033:65:0	
1511	99	32	04:28:14.066	41DT3I	40T2	1	PCT Heater 2 ON	4R7	4	0	4,849,033:80:0	
1512	99	32	04:28:24.066	41DT3J	40T2	2	PCT Heater 2 ON	4R7	4	0	4,849,034:04:0	
1513	99	32	04:35:04.066	20TA4A	7MODE	SPNL	AACS ALL-SPIN LOW	4R7	4	0	4,849,040:58:0	
1514	99	32	04:45:04.066	20TA4B	7SUN		Check S/P Position	4R7	4	0	4,849,050:48:0	
1515	99	32	04:49:04.066	20TA4C	7VECT	RTH	Inert vect update UTC	4R7	4	0	4,849,054:44:0	
1516	99	32	04:49:06.066	20TA4D	7STAR	1,6217,100.729,-	Star catalog update	4R7	4	0	4,849,054:47:0	
1517	99	32	04:49:08.066	20TA4E	7STAR	2,111,257.158,65	Star catalog update	4R7	4	0	4,849,054:50:0	
1518	99	32	04:49:10.066	20TA4F	7STAR	3,125,259.734,-2	Star catalog update	4R7	4	0	4,849,054:53:0	
1519	99	32	04:49:12.066	20TA4G	7STAR	4,371,138.159,-6	Star catalog update	4R7	4	0	4,849,054:56:0	
1520	99	32	04:49:14.066	20TA4H	7STAR	5,0,0.0,0.0	Star catalog update	4R7	4	0	4,849,054:59:0	
1521	99	32	04:49:16.066	20TA4I	7STAR	6,0,0.0,0.0	Star catalog update	4R7	4	0	4,849,054:62:0	
1522	99	32	04:49:18.066	20TA4J	7STAR	13,9000,135.0,16	Star catalog update	4R7	4	0	4,849,054:65:0	
1523	99	32	04:49:20.066	20TA4K	7STAR	14,9000,180.0,1.	Star catalog update	4R7	4	0	4,849,054:68:0	
1524	99	32	04:49:22.066	20TA4L	7STAR	15,9000,105.0,23	Star catalog update	4R7	4	0	4,849,054:71:0	
1525	99	32	04:49:24.066	20TA4M	7STAR	16,0,0.0,0.0	Star catalog update	4R7	4	0	4,849,054:74:0	
1526	99	32	04:49:26.066	20TA4N	7STAR	17,0,0.0,0.0	Star catalog update	4R7	4	0	4,849,054:77:0	
1527	99	32	04:49:28.066	20TA4O	7STAR	18,0,0.0,0.0	Star catalog update	4R7	4	0	4,849,054:80:0	
1528	99	32	04:49:30.066	481UP4A	7VECT	BB1	Inert vect update UTC	4R7	4	0	4,849,054:83:0	
1529	99	32	04:53:36.733	432SK6A	6RTDS2	NIMNCG,AACNCG,RT	R/T ENG DESLECT	4R7	4	0	4,849,058:89:0	
1530	99	32	05:32:03.400	432SL6A	6RTSL2	NIMNCG,AACNCG,RT	R/T ENG SELECT	4R7	4	0	4,849,097:00:0	
1531	99	32	05:41:30.066	20TA4R	7MODE	CRU	AACS CRUISE MODE	4R7	4	0	4,849,106:31:0	
1532	99	33	02:28:55.999	19NNAURORA01-		-----START------		4R7	4	0	: :	
1533	99	33	02:30:57.333	19NNAURORA01-		-----STOP-------		4R7	4	0	: :	
1534	99	33	02:31:57.999	19GNAURORA01-		-----START------		4R7	4	0	: :	
1535	99	33	02:39:13.333	19GNAURORA01-		-----STOP-------		4R7	4	0	: :	
1536	99	33	03:36:40.666	19NNAURORA02-		-----START------		4R7	4	0	: :	
1537	99	33	03:38:41.999	19NNAURORA02-		-----STOP-------		4R7	4	0	: :	
1538	99	33	03:39:42.666	19GNAURORA02-		-----START------		4R7	4	0	: :	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	99	33	03:46:57.999	19GNAURORA02-		-----STOP-------		4R7	4	0	: :	
1540	99	33	04:17:07.333	19NNAURORA03-		-----START------		4R7	4	0	: :	
1541	99	33	04:19:08.666	19NNAURORA03-		-----STOP-------		4R7	4	0	: :	
1542	99	33	04:20:09.333	19GNAURORA03-		-----START------		4R7	4	0	: :	
1543	99	33	04:27:24.666	19GNAURORA03-		-----STOP-------		4R7	4	0	: :	
1544	99	33	09:59:53.400	19NNIOFLUX01-		-----START------		4R7	4	0	: :	
1545	99	33	10:01:54.733	19NNIOFLUX01-		-----STOP-------		4R7	4	0	: :	
1546	99	33	10:02:55.400	19JNIOFLUX01-		-----START------		4R7	4	0	: :	
1547	99	33	10:17:04.733	19JNIOFLUX01-		-----STOP-------		4R7	4	0	: :	
1548	99	33	10:36:17.400	19NNCHOPOF01-		-----START------		4R7	4	0	: :	
1549	99	33	10:46:24.066	19NNCHOPOF01-		-----STOP-------		4R7	4	0	: :	
1550	99	37	02:01:59.800	444UZ443A4A	7MODE	CRU	AACS CRUISE MODE				4,856,010:12:0	
1551	99	37	02:06:59.800	41V99A	POWER	PWR MODE change	Change to Maneuver/Playback Mode				4,856,015:07:0	
1552	99	37	02:08:53.800	41V3G	40T1P	1	PCT Heater 1 ON (primary relay)				4,856,016:87:0	
1553	99	37	02:09:03.800	41V3H	40T1P	2	PCT Heater 1 ON (primary relay)				4,856,017:11:0	
1554	99	37	02:09:13.800	41V3I	40T2	1	PCT Heater 2 ON				4,856,017:26:0	
1555	99	37	02:09:23.800	41V3J	40T2	2	PCT Heater 2 ON				4,856,017:41:0	
1556	99	37	02:21:19.800	20UN4B	7SAFE	UNSTOW	S/P TO 153 deg cone				4,856,029:23:0	
1557	99	37	02:26:59.800	20UN6A	6MROH	7,73C0,0,A10	read from AACSA7,73C0,0,A10				4,856,034:78:0	
1558	99	37	02:28:19.800	20UN6B	6MROH	7,73C0,0,A10	read from AACSA7,73C0,0,A10				4,856,036:16:0	
1559	99	37	02:40:19.800	20UN4D	7MODE	INT	AACS INERTIAL MODE				4,856,048:04:0	
1560	99	37	05:15:59.800	20UN6C	6MROH	7,73C0,0,A10	read from AACSA7,73C0,0,A10				4,856,202:00:0	
1561	99	37	05:17:19.800	20UN6D	6MROH	7,73C0,0,A10	read from AACSA7,73C0,0,A10				4,856,203:29:0	
1562	99	37	05:26:59.800	20WE4A	7STAT	8.73,172.977,35.	Stator inertial point				4,856,212:80:0	
1563	99	37	05:45:01.800	490UC412A4B	7MODE	INT	AACS INERTIAL MODE				4,856,230:65:0	
1564	99	37	05:49:59.800	490UC412A4D	7SAFE	UNSTOW	S/P TO 153 deg cone				4,856,235:57:0	
1565	99	37	05:50:19.800	20WE4B	7STAT	17.45,172.977,35	Stator inertial point				4,856,235:87:0	
1566	99	37	05:54:09.800	490UC412A4E	7VECT		Inert vect update UTC				4,856,239:68:0	
1567	99	37	05:54:13.800	490UC412A4F	7TURN	2,RTH	ALERT Thruster				4,856,239:74:0	
1568	99	37	05:58:01.800	490UC412A406A4A	7STAR	11,700,278.81	Star catalog update				4,856,243:52:0	
1569	99	37	05:58:03.800	490UC412A406A4B	7STAR	2,226,263.15	Star catalog update				4,856,243:55:0	
1570	99	37	05:58:05.800	490UC412A406A4C	7STAR	3,150,319.35	Star catalog update				4,856,243:58:0	
1571	99	37	05:58:07.800	490UC412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update				4,856,243:61:0	
1572	99	37	05:58:09.800	490UC412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update				4,856,243:64:0	
1573	99	37	05:58:11.800	490UC412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update				4,856,243:67:0	
1574	99	37	06:08:05.800	20WE4D	7SLEW	DIS,POS,0.0	Stator movement				4,856,253:48:0	
1575	99	37	06:09:09.800	490UC412A4G	7MODE	CRU	AACS CRUISE MODE				4,856,254:53:0	
1576	99	37	07:38:59.800	20NV6A	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1				4,856,343:39:0	
1577	99	37	07:57:39.800	20NV6B	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1				4,856,361:81:0	
1578	99	37	08:16:19.800	20NV6C	6MROH	7,6F96,2,A10	read from AACSA7,6F96,2,A10				4,856,380:32:0	
1579	99	37	08:20:19.800	20NV6D	6MROH	7,6F96,2,A10	read from AACSA7,6F96,2,A10				4,856,384:28:0	
1580	99	38	02:26:59.733	20AE4A	7STAT	8.73,178.14,2.22	Stator inertial point				4,857,459:03:0	
1581	99	38	02:45:01.733	490AC412A4B	7MODE	INT	AACS INERTIAL MODE				4,857,476:79:0	
1582	99	38	02:49:59.733	490AC412A4D	7SAFE	UNSTOW	S/P TO 153 deg cone				4,857,481:71:0	
1583	99	38	02:50:19.733	20AE4B	7STAT	17.45,178.14,2.2	Stator inertial point				4,857,482:10:0	
1584	99	38	02:54:09.733	490AC412A4E	7VECT		Inert vect update UTC				4,857,485:82:0	
1585	99	38	02:54:13.733	490AC412A4F	7TURN	2,RTH	ALERT Thruster				4,857,485:88:0	
1586	99	38	02:58:01.733	490AC412A406A4A	7STAR	16,217,100.73	Star catalog update				4,857,489:66:0	
1587	99	38	02:58:03.733	490AC412A406A4B	7STAR	2,125,259.73	Star catalog update				4,857,489:69:0	
1588	99	38	02:58:05.733	490AC412A406A4C	7STAR	3,130,228.55	Star catalog update				4,857,489:72:0	
1589	99	38	02:58:07.733	490AC412A406A4D	7STAR	4,371,138.16,-69	Star catalog update				4,857,489:75:0	
1590	99	38	02:58:09.733	490AC412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update				4,857,489:78:0	
1591	99	38	02:58:11.733	490AC412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update				4,857,489:81:0	
1592	99	38	03:27:05.733	20AE4D	7SLEW	DIS,POS,0.0	Stator movement				4,857,518:43:0	
1593	99	38	03:28:09.733	490AC412A4G	7MODE	CRU	AACS CRUISE MODE				4,857,519:48:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	99	38	05:08:59.733	20AV6A	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1				4,857,619:23:0	
1595	99	38	05:27:39.733	20AV6B	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1				4,857,637:65:0	
1596	99	38	05:46:19.733	20AV6C	6MROH	7,6F96,2,A10	read from AACSA7,6F96,2,A10				4,857,656:16:0	
1597	99	38	05:50:19.733	20AV6D	6MROH	7,6F96,2,A10	read from AACSA7,6F96,2,A10				4,857,660:12:0	
1598	99	42	02:01:01.533	488ZZ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan				4,863,130:05:0	
1599	99	42	02:01:58.200	432AA431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o				4,863,130:90:0	
1600	99	42	02:01:58.866	432AA6B	6RTSL1		R/T Select of DDS and				4,863,131:00:0	
1601	99	42	02:13:00.200	444AZ443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone				4,863,141:82:0	
1602	99	42	02:17:00.200	444AZ443A4B	**7MODE**	**CRU**	AACS CRUISE MODE				4,863,145:78:0	
1603	99	42	02:32:18.866	432AB6A	6RTSL1		R/T Select of DDS and				4,863,161:00:0	
1604	99	42	02:34:20.200	465KF6A	6DMSC	RDY,4	DMS Control Tape stop				4,863,163:00:0	
1605	99	42	02:36:12.200	175KA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps				4,863,164:77:0	
1606	99	42	02:36:12.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4620.88 +/- 5				4,863,164:77:0	
1607	99	42	02:36:13.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4621.00 +/- 5				4,863,164:79:1	
1608	99	42	02:36:18.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4622.23 +/- 5				4,863,164:87:0	
1609	99	42	02:36:20.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4622.29 +/- 5				4,863,164:88:8	
1610	99	42	02:36:20.866	175KA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record				4,863,164:90:0	
1611	99	42	02:36:21.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4622.17 +/- 5				4,863,164:90:9	
1612	99	42	02:36:21.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4622.17 +/- 5				4,863,164:90:9	
1613	99	42	02:38:22.200	432PP431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o				4,863,166:90:0	
1614	99	42	02:38:22.866	432PP6A	6RTSL1		R/T Select of DDS and				4,863,167:00:0	
1615	99	42	02:40:01.533	20ZS6A	6CKSUM	MAG,4040,46F0					4,863,168:57:0	
1616	99	42	02:40:41.533	20ZS6B	6MROH	12	read from LLM1A12,2282,0,A2				4,863,169:26:0	
1617	99	42	02:40:41.533	20ZS6B	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2				4,863,169:26:0	
1618	**99**	**42**	**02:58:00.200**	**20ZU3Q**	**37HR**	**1**	**Replacement Heaters OFF**				**4,863,186:37:0**	
1619	**99**	**42**	**02:58:02.200**	**20ZU3S**	**37HR**	**2**	**Replacement Heaters OFF**				**4,863,186:40:0**	
1620	**99**	**42**	**02:58:28.200**	**20ZU3R**	**37A**	**1**	**NIMS Power ON**	**260**	**4**	**0**	**4,863,186:79:0**	
1621	**99**	**42**	**02:58:30.200**	**20ZU3T**	**37A**	**2**	**NIMS Power ON**	**260**	**4**	**0**	**4,863,186:82:0**	
1622	**99**	**42**	**03:00:29.533**	**20ZU4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,863,188:79:0**	
1623	**99**	**42**	**03:02:06.200**	**20AH5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R0**	**4**	**0**	**4,863,190:42:0**	
1624	**99**	**42**	**03:02:12.866**	**20AH5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R0**	**4**	**0**	**4,863,190:52:0**	
1625	**99**	**42**	**03:02:19.533**	**20AH6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R0**	**4**	**0**	**4,863,190:62:0**	
1626	**99**	**42**	**03:02:29.533**	**20AH6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R0**	**4**	**0**	**4,863,190:77:0**	
1627	**99**	**42**	**03:02:39.533**	**20AH5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,863,191:01:0**	
1628	**99**	**42**	**03:02:40.866**	**20AH5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,863,191:03:0**	
1629	**99**	**42**	**03:02:52.200**	**20AH4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**4,863,191:20:0**	
1630	99	42	03:14:53.533	282NX431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	4R0	4	0	4,863,203:10:0	
1631	99	42	03:25:02.200	282NY431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R0	4	0	4,863,213:13:0	
1632	99	42	03:25:50.866	282NY432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R0	4	0	4,863,213:86:0	
1633	99	42	03:25:51.533	282NY432A6A	6RTSL1		R/T Select of DDS and	4R0	4	0	4,863,213:87:0	
1634	99	42	04:09:21.533	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R0	4	0	4,863,256:89:0	
1635	99	42	04:14:02.866	20ZM6A	6EUVON			4R0	4	0	4,863,261:56:0	
1636	99	42	04:14:26.200	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4R0	4	0	4,863,262:00:0	
1637	99	42	04:18:28.866	175KA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R0	4	0	4,863,266:00:0	
1638	99	42	04:18:28.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3186.06 +/- 5	4R0	4	0	4,863,266:00:0	
1639	99	42	04:18:30.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3186.00 +/- 5	4R0	4	0	4,863,266:01:8	
1640	99	42	04:34:39.533		DMS:	: READY	RDY, TRACK *2, REV, TIC 3186.00 +/- 5	4R0	4	0	4,863,282:00:0	
1641	99	42	04:34:39.533	465KH6A	6DMSC	RDY,2	DMS Control Tape stop	4R0	4	0	4,863,282:00:0	
1642	99	42	04:40:00.200	41AV99A	**POWER**	**PWR MODE change**	Change to Maneuver/Playback Mode	4R0	4	0	4,863,287:26:0	
1643	**99**	**42**	**04:41:54.200**	**41AV3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4R0**	**4**	**0**	**4,863,289:15:0**	
1644	**99**	**42**	**04:42:04.200**	**41AV3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4R0**	**4**	**0**	**4,863,289:30:0**	
1645	**99**	**42**	**04:42:14.200**	**41AV3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4R0**	**4**	**0**	**4,863,289:45:0**	
1646	**99**	**42**	**04:42:24.200**	**41AV3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4R0**	**4**	**0**	**4,863,289:60:0**	
1647	**99**	**42**	**05:05:58.866**	**432PQ6B**	**6RTDS2**	**NIMDSL,AACDSL,RT**	**NIMS R/T DESELECTAACS DESELECT**	**4R0**	**4**	**0**	**4,863,312:89:0**	
1648	99	42	05:16:20.200	20UL4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R0	4	0	4,863,323:20:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	99	42	05:35:20.200	20UL4D	**7MODE**	**INT**	AACS INERTIAL MODE	4R0	4	0	4,863,342:01:0	
1650	99	42	08:15:00.200	444UW443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4R0	4	0	4,863,499:84:0	
1651	**99**	**42**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4R0**	**4**	**0**	**4,863,959:73:7**	
1652	**99**	**42**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4R0**	**4**	**0**	**4,863,959:73:7**	
1653	**99**	**42**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4R0**	**4**	**0**	**4,863,959:73:7**	
1654	**99**	**42**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4R0**	**4**	**0**	**4,863,959:73:7**	
1655	**99**	**42**	**16:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4R0**	**4**	**0**	**4,863,959:73:7**	
1656	**99**	**42**	**16:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4R0**	**4**	**0**	**4,863,959:73:7**	
1657	**99**	**42**	**16:00:00.000**	**20A3FF**	**40T2**	**Final Condition**	**PCT Heater 2 ON**	**4R0**	**4**	**0**	**4,863,959:73:7**	
1658	**99**	**42**	**16:00:00.000**	**20A3FE**	**40T1P**	**Final Condition**	**PCT Heater 1 ON (primary relay)**	**4R0**	**4**	**0**	**4,863,959:73:7**	
1659	**99**	**42**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4R0**	**4**	**0**	**4,863,959:73:7**	
1660	99	42	16:00:00.200		DMS:	: READY	RDY, TRACK 2, REV, TIC 3186.00 +/- 5	4R0	4	0	4,863,959:74:0	

Sequence: E19B-AR   Created: 5/17/99   Begin: 99-042/16:00:00   Finish: 99-081/05:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1	99	42	16:00:00.000	20A3EW	37A	Initial Condition	NIMS Power ON	2R0	4	0	4,863,959:73:7	
2	99	42	16:00:00.000	20A3FE	40T1P	Initial Condition	PCT Heater 1 ON (primary relay)	2R0	4	0	4,863,959:73:7	
3	99	42	16:00:00.000	20A3FD	40HRPR	Initial Condition	RCT Heater OFF (primary relay)	2R0	4	0	4,863,959:73:7	
4	99	42	16:00:00.000	20A3FB	37F2PR	Initial Condition	Shield Flash Heater OFF (primary relay)	2R0	4	0	4,863,959:73:7	
5	99	42	16:00:00.000	20A3FA	37F1PR	Initial Condition	Radiator Flash Heater OFF (primary relay)	2R0	4	0	4,863,959:73:7	
6	99	42	16:00:00.000	20A3EZ	37C2PR	Initial Condition	Optics Heater 2 OFF (primary relay)	2R0	4	0	4,863,959:73:7	
7	99	42	16:00:00.000	20A3FF	40T2	Initial Condition	PCT Heater 2 ON	2R0	4	0	4,863,959:73:7	
8	99	42	16:00:00.000	20A3EY	37C1PR	Initial Condition	Optics Heater 1 OFF (primary relay)	2R0	4	0	4,863,959:73:7	
9	99	42	16:00:00.000	20A3EX	37HR	Initial Condition	Replacement Heaters OFF	2R0	4	0	4,863,959:73:7	
10	99	42	16:00:00.200		DMS:	: READY	RDY, TRACK 2, REV, TIC 3186.00 +/- 5	2R0	4	0	4,863,959:74:0	
11	99	42	16:14:20.866	431MA6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	2R0	4	0	4,863,974:00:0	
12	99	42	16:32:00.200	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	2R0	4	0	4,863,991:42:0	
13	99	42	16:33:00.200	20UQ4D	7MODE	SPNL	AACS ALL-SPIN LOW	2R0	4	0	4,863,992:41:0	
14	99	42	16:35:00.200	20UQ4E	7SAFE	UNSTOW	S/P TO 153 deg cone	2R0	4	0	4,863,994:39:0	
15	99	42	16:40:30.200	20UQ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2R0	4	0	4,863,999:79:0	
16	99	42	16:40:30.866	20UQ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2R0	4	0	4,863,999:80:0	
17	99	42	16:40:50.866	20UQ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2R0	4	0	4,864,000:19:0	
18	99	42	16:40:51.533	20UQ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2R0	4	0	4,864,000:20:0	
19	99	42	16:41:11.533	20UQ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2R0	4	0	4,864,000:50:0	
20	99	42	16:41:12.200	20UQ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2R0	4	0	4,864,000:51:0	
21	99	42	16:41:22.200	20UQ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2R0	4	0	4,864,000:66:0	
22	99	42	16:41:22.866	20UQ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2R0	4	0	4,864,000:67:0	
23	99	42	16:41:32.866	20UQ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2R0	4	0	4,864,000:82:0	
24	99	42	16:41:33.533	20UQ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2R0	4	0	4,864,000:83:0	
25	99	42	16:43:20.200	20UQ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2R0	4	0	4,864,002:61:0	
26	99	42	16:43:20.866	20UQ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2R0	4	0	4,864,002:62:0	
27	99	42	16:43:40.866	20UQ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2R0	4	0	4,864,003:01:0	
28	99	42	16:43:41.533	20UQ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2R0	4	0	4,864,003:02:0	
29	99	42	16:44:01.533	20UQ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2R0	4	0	4,864,003:32:0	
30	99	42	16:44:02.200	20UQ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2R0	4	0	4,864,003:33:0	
31	99	42	16:44:12.200	20UQ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2R0	4	0	4,864,003:48:0	
32	99	42	16:44:12.866	20UQ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2R0	4	0	4,864,003:49:0	
33	99	42	16:44:22.866	20UQ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2R0	4	0	4,864,003:64:0	
34	99	42	16:44:23.533	20UQ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2R0	4	0	4,864,003:65:0	
35	99	42	16:45:20.200	20UQ4Z	7MODE	CRU	AACS CRUISE MODE	2R0	4	0	4,864,004:59:0	
36	99	42	17:10:04.200	20UJ4A	7SAFE	STOP	S/P NO MOVEMENT	2R0	4	0	4,864,029:10:0	
37	99	42	17:10:54.200	20UJ4B	7SLEW	DIS,POS,0.0	Stator movement	2R0	4	0	4,864,029:85:0	
38	99	42	17:12:59.533	176SU6A	6TMREC	IPB	INITIATE PLAYBACK (PB CONTROL) Record Mod	2R0	4	0	4,864,032:00:0	
39	99	42	17:56:23.533	488BA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	4,864,074:84:0	
40	99	42	18:49:43.533	488BA6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	4,864,127:61:0	
41	99	42	18:59:40.866	488BA6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	4,864,137:47:0	
42	99	42	19:15:19.533	488BA6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	4,864,152:90:0	
43	99	42	19:51:35.533	488BA6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,864,188:78:0	
44	99	42	22:42:36.133	488BB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,864,357:90:0	
45	99	42	23:33:27.466	488BB6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2R0	4	0	4,864,408:26:0	
46	99	42	23:36:12.133	176SH6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2R0	4	0	4,864,411:00:0	
47	99	43	00:07:00.133	20SQ4I	7MODE	INT	AACS INERTIAL MODE	2R0	4	0	4,864,441:42:0	
48	99	43	00:22:00.133	20SQ4K	7SLEW	INIT,POS,17.45	Stator movement	2R0	4	0	4,864,456:27:0	
49	99	43	00:34:00.133	20SQ4L	7SLEW	DIS,POS,0.0	Stator movement	2R0	4	0	4,864,468:15:0	
50	99	43	00:41:00.133	20SQ4M	7SLEW	INIT,NEG,17.45	Stator movement	2R0	4	0	4,864,475:08:0	
51	99	43	00:53:00.133	20SQ4N	7SLEW	DIS,POS,0.0	Stator movement	2R0	4	0	4,864,486:87:0	
52	99	43	01:05:00.133	20SQ4AH	7MODE	CRU	AACS CRUISE MODE	2R0	4	0	4,864,498:75:0	
53	99	43	01:21:04.133	20ST4A	7SAFE	STOP	S/P NO MOVEMENT	2R0	4	0	4,864,514:65:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	99	43	01:21:54.133	20ST4B	7SLEW	DIS,POS,0.0	Stator movement	2R0	4	0	4,864,515:49:0	
55	99	43	01:22:22.133	176SJ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2R0	4	0	4,864,516:00:0	
56	99	43	01:43:35.466	488BB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R0	4	0	4,864,536:90:0	
57	99	43	05:51:03.466	488BC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	4,864,781:67:0	
58	99	43	08:01:11.466	488BC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,864,910:40:0	
59	99	43	08:54:31.466	488BC6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	4,864,963:17:0	
60	99	43	09:17:59.466	488BC6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	4,864,986:36:0	
61	99	43	10:13:27.466	488BC6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,865,041:23:0	
62	99	43	10:34:27.466	488BD6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,865,062:02:0	
63	99	43	11:08:06.133	488BD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,865,095:27:0	
64	99	43	16:18:53.466	488BD6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,865,402:61:0	
65	99	43	16:57:32.133	488BE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,865,440:81:0	
66	99	43	17:54:29.466	488BE6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,865,497:20:0	
67	99	43	18:28:08.133	488BE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,865,530:45:0	
68	99	43	18:28:23.466	488BE6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	4,865,530:68:0	
69	99	43	22:35:51.466	488BE6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,865,775:45:0	
70	99	43	23:33:27.466	488BF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	4,865,832:42:0	
71	99	44	00:00:00.133	481UA4A	7VECT		Inert vect update UTC	2R0	4	0	4,865,858:65:0	
72	99	44	02:02:47.466	488BF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R0	4	0	4,865,980:14:0	
73	99	44	05:25:27.400	488BF6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	4,866,180:54:0	
74	99	44	07:54:47.400	488BG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,866,328:26:0	
75	99	44	08:50:15.400	488BG6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	4,866,383:13:0	
76	99	44	09:07:19.400	488BG6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	4,866,400:02:0	
77	99	44	09:28:39.400	488BG6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,866,421:11:0	
78	99	44	15:58:07.400	488BH6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,866,806:28:0	
79	99	44	16:05:27.400	488BH6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	4,866,813:51:0	
80	99	44	16:17:46.733	488BH6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	4,866,825:68:0	
81	99	44	16:22:31.400	488BH6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	4,866,830:40:0	
82	99	44	16:37:27.400	488BH6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,866,845:19:0	
83	99	44	18:32:39.400	488BI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	4,866,959:13:0	
84	99	45	00:16:07.400	488BI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,867,298:76:0	
85	99	45	02:15:35.400	488BJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	4,867,416:90:0	
86	99	45	02:32:11.400	488BJ6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R0	4	0	4,867,433:37:0	
87	99	45	02:34:47.400	488BJ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	4,867,435:89:0	
88	99	45	09:07:42.733	488BK6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	4,867,824:53:0	
89	99	45	09:13:43.400	488BK6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	4,867,830:48:0	
90	99	45	10:24:07.400	488BK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,867,900:14:0	
91	99	45	10:34:39.400	488BK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,867,910:52:0	
92	99	45	11:08:18.733	488BK6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,867,943:78:0	
93	99	45	17:20:07.333	488BL6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	4,868,311:53:0	
94	99	45	18:30:31.333	488BL6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	4,868,381:19:0	
95	99	45	18:56:07.333	488BL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	4,868,406:48:0	
96	99	45	20:17:27.333	488BL6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R0	4	0	4,868,486:88:0	
97	99	45	20:46:33.333	488BL6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	4,868,515:68:0	
98	99	45	22:29:27.333	488BM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,868,617:47:0	
99	99	45	23:37:43.333	488BM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	4,868,685:03:0	
100	99	46	07:39:51.333	488BN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,869,161:79:0	
101	99	46	08:39:35.333	488BN6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	4,869,220:86:0	
102	99	46	09:13:43.333	488BN6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	4,869,254:64:0	
103	99	46	10:17:39.333	488BN6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R0	4	0	4,869,317:85:0	
104	99	46	10:43:19.333	488BN6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,869,343:29:0	
105	99	46	10:52:30.666	488BO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R0	4	0	4,869,352:37:0	
106	99	46	17:09:27.333	488BP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	4,869,725:19:0	
107	99	46	18:24:07.333	488BP6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R0	4	0	4,869,799:05:0	
108	99	46	18:46:34.000	488BP6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	4,869,821:23:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	99	46	19:00:23.333	488BP6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	4,869,834:84:0	
110	99	46	19:36:39.333	488BP6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R0	4	0	4,869,870:72:0	
111	99	47	05:00:25.933	488BQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R0	4	0	4,870,428:34:0	
112	**99**	**47**	**05:02:59.933**	**33A4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**4,870,430:83:0**	
113	**99**	**47**	**05:04:00.600**	**33B4A**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**2O0**	**4**	**0**	**4,870,431:83:0**	
114	99	47	07:29:11.266	488BQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,870,575:45:0	
115	99	47	08:39:35.266	488BQ6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,870,645:11:0	
116	99	47	08:58:47.266	488BQ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,870,664:10:0	
117	99	47	09:28:39.266	488BQ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,870,693:59:0	
118	99	47	14:02:53.933	488BR6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,870,964:80:0	
119	99	47	14:10:15.266	488BR6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,870,972:14:0	
120	99	47	16:07:29.933	488BR6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,871,088:10:0	
121	99	47	16:11:51.266	488BR6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,871,092:38:0	
122	99	47	16:33:11.266	488BR6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,871,113:47:0	
123	99	47	17:22:59.933	488BS6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	4,871,162:71:0	
124	99	47	17:27:15.933	176TF6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	4,871,167:00:0	
125	99	47	17:35:59.933	20WC4C	7STAT	17.45,181.62,0.5	Stator inertial point	2O0	4	0	4,871,175:58:0	
126	99	47	17:55:01.933	490UA412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	4,871,194:42:0	
127	99	47	17:59:59.933	490UA412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	4,871,199:34:0	
128	99	47	18:00:19.933	20WC4D	7STAT	17.45,181.62,0.5	Stator inertial point	2O0	4	0	4,871,199:64:0	
129	99	47	18:04:09.933	490UA412A4E	7VECT		Inert vect update UTC	2O0	4	0	4,871,203:45:0	
130	99	47	18:04:13.933	490UA412A4F	7TURN	2,RTH	ALERT Thruster	2O0	4	0	4,871,203:51:0	
131	99	47	18:08:01.933	490UA412A406A4A	7STAR	16,217,100.73	Star catalog update	2O0	4	0	4,871,207:29:0	
132	99	47	18:08:03.933	490UA412A406A4B	7STAR	2,226,263.15	Star catalog update	2O0	4	0	4,871,207:32:0	
133	99	47	18:08:05.933	490UA412A406A4C	7STAR	3,125,259.73	Star catalog update	2O0	4	0	4,871,207:35:0	
134	99	47	18:08:07.933	490UA412A406A4D	7STAR	4,151,261.99	Star catalog update	2O0	4	0	4,871,207:38:0	
135	99	47	18:08:09.933	490UA412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	2O0	4	0	4,871,207:41:0	
136	99	47	18:08:11.933	490UA412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2O0	4	0	4,871,207:44:0	
137	99	47	18:17:43.266	488BS6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	4,871,216:82:0	
138	99	47	18:18:05.933	20WC4F	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,871,217:25:0	
139	99	47	18:26:09.933	490UA412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	4,871,225:23:0	
140	99	47	19:54:59.933	480UA6A	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1	2O0	4	0	4,871,313:10:0	
141	99	47	20:00:03.933	20SW4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	4,871,318:11:0	
142	99	47	20:00:53.933	20SW4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,871,318:86:0	
143	99	47	20:02:58.600	176TG6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	4,871,321:00:0	
144	99	47	20:13:39.933	480UA6B	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1	2O0	4	0	4,871,331:52:0	
145	99	47	20:32:19.933	480UA6C	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1	2O0	4	0	4,871,350:03:0	
146	99	47	20:50:59.933	488BS6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,871,368:45:0	
147	99	47	22:20:55.266	488BS6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,871,457:39:0	
148	99	47	23:22:47.266	488BS6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,871,518:56:0	
149	99	48	01:43:35.266	488BT6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,871,657:79:0	
150	99	48	05:25:27.200	488BT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,871,877:27:0	
151	99	48	07:44:07.200	488BU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,872,014:40:0	
152	99	48	08:37:31.866	488BU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,872,067:24:0	
153	99	48	08:39:35.200	488BU6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,872,069:27:0	
154	99	48	08:54:31.200	488BU6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,872,084:06:0	
155	99	48	18:30:17.866	488BV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,872,653:47:0	
156	99	48	22:20:55.200	488BV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,872,881:55:0	
157	99	48	23:18:31.200	488BV6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,872,938:52:0	
158	99	49	01:32:55.200	488BW6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,873,071:45:0	
159	99	49	05:29:43.200	488BW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,873,305:63:0	
160	99	49	07:39:51.200	488BX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,873,434:36:0	
161	99	49	08:33:57.200	488BX6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,873,487:82:0	
162	99	49	08:39:35.200	488BX6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,873,493:43:0	
163	99	49	09:15:51.200	488BX6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,873,529:31:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	99	49	13:17:00.466	488BX6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,873,767:77:0	
165	99	49	14:50:01.133	488BY6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,873,859:76:0	
166	99	49	15:23:40.466	488BY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,873,893:11:0	
167	99	49	17:30:47.133	488BY6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,874,018:76:0	
168	99	49	18:24:07.133	488BY6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,874,071:53:0	
169	99	49	18:40:00.466	488BY6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,874,087:27:0	
170	99	49	18:58:15.133	488BZ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,874,105:31:0	
171	99	49	22:21:58.466	488BZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,874,306:75:0	
172	99	49	23:18:31.133	488BZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,874,362:68:0	
173	99	50	01:32:55.133	488CA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,874,495:61:0	
174	99	50	05:19:03.133	488CA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,874,719:29:0	
175	99	50	07:35:35.133	488CB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,874,854:32:0	
176	99	50	08:28:55.133	488CB6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,874,907:09:0	
177	99	50	09:03:03.133	488CB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,874,940:78:0	
178	99	50	15:50:31.133	488CC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,875,343:77:0	
179	99	50	16:11:51.133	488CC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,875,364:86:0	
180	99	50	18:02:47.133	488CC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,875,474:60:0	
181	99	51	00:09:43.066	488CD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,875,837:51:0	
182	99	51	02:00:39.066	488CD6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,875,947:25:0	
183	99	51	02:13:45.733	488CD6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,875,960:22:0	
184	99	51	02:19:51.066	488CD6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,875,966:24:0	
185	99	51	02:34:47.066	488CD6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,875,981:03:0	
186	99	51	02:44:12.400	488CE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,875,990:32:0	
187	99	51	05:10:31.066	488CE6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,876,135:05:0	
188	99	51	07:29:11.066	488CE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,876,272:18:0	
189	99	51	08:24:34.400	488CE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,876,326:89:0	
190	99	51	08:28:55.066	488CE6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,876,331:25:0	
191	99	51	08:52:11.733	488CF6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,876,354:27:0	
192	99	51	08:58:47.066	488CF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,876,360:74:0	
193	99	51	09:47:51.066	488CF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,876,409:31:0	
194	99	51	10:20:10.400	488CF6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,876,441:28:0	
195	99	51	10:53:49.733	488CF6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,876,474:54:0	
196	99	51	17:20:07.066	488CG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,876,856:58:0	
197	99	51	18:19:51.066	488CG6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,876,915:65:0	
198	99	51	18:29:51.733	488CG6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,876,925:56:0	
199	99	51	18:47:35.066	488CG6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,876,943:13:0	
200	99	51	22:16:48.400	488CG6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,877,150:06:0	
201	99	51	23:12:07.066	488CH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,877,204:70:0	
202	99	52	01:37:11.066	488CH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,877,348:22:0	
203	99	52	05:04:07.000	488CH6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,877,552:82:0	
204	99	52	07:29:11.000	488CI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,877,696:34:0	
205	99	52	08:24:39.000	488CI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,877,751:21:0	
206	99	52	08:56:39.000	488CI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,877,782:80:0	
207	99	52	15:57:47.000	488CJ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,878,199:35:0	
208	99	52	16:05:27.000	488CJ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,878,206:88:0	
209	99	52	22:17:03.666	488CK6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,878,574:45:0	
210	99	52	22:23:03.000	488CK6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,878,580:38:0	
211	99	52	23:01:27.000	488CK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,878,618:36:0	
212	99	52	23:40:17.000	488CK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,878,656:73:0	
213	99	53	00:13:56.333	488CK6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,878,690:08:0	
214	99	53	07:29:11.000	488CL6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,879,120:50:0	
215	99	53	08:09:25.666	488CL6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,879,160:32:0	
216	99	53	08:13:59.000	488CL6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,879,164:78:0	
217	99	53	08:50:15.000	488CL6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,879,200:66:0	
218	99	54	05:14:50.933	488CM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,880,411:79:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
219	99	54	07:18:30.933	488CM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,880,534:16:0
220	99	54	08:20:22.933	488CM6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,880,595:33:0
221	99	54	08:52:22.933	488CM6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,880,627:01:0
222	99	54	11:41:13.600	176SN6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	4,880,794:00:0
223	99	54	11:47:17.600	465WA6A	6DMST	5000	DMS Slew to TIC	2O0	4	0	4,880,800:00:0
224	99	54	11:47:17.600		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 3186.00 +/- 5	2O0	4	0	4,880,800:00:0
225	99	54	11:47:17.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3186.00 +/- 5	2O0	4	0	4,880,800:00:0
226	99	54	11:47:24.266		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 3186.00 +/- 5	2O0	4	0	4,880,800:10:0
227	99	54	11:47:25.666		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *3186.12 +/- 5	2O0	4	0	4,880,800:12:1
228	99	54	13:56:15.066		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/- 5	2O0	4	0	4,880,927:49:2
229	99	54	13:56:16.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/- 5	2O0	4	0	4,880,927:51:0
230	99	54	15:27:45.600	488CN6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,881,018:04:0
231	99	54	15:35:34.933	488CN6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,881,025:71:0
232	99	54	15:46:55.600	488CN6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,881,037:00:0
233	99	54	15:52:38.933	488CN6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,881,042:60:0
234	99	54	16:37:26.933	488CN6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,881,086:88:0
235	99	54	17:20:24.933	488CO6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,881,129:42:0
236	99	54	17:40:58.933	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,881,149:73:0
237	99	54	17:40:58.933		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/- 5	2O0	4	0	4,881,149:73:0
238	99	54	17:41:00.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/- 5	2O0	4	0	4,881,149:75:1
239	99	54	17:41:05.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/- 5	2O0	4	0	4,881,149:83:0
240	99	54	17:41:06.800		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/- 5	2O0	4	0	4,881,149:84:8
241	99	54	17:41:10.666		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/- 5	2O0	4	0	4,881,149:90:6
242	99	54	17:41:10.666		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/- 5	2O0	4	0	4,881,149:90:6
243	99	54	17:54:04.266	488CO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,881,162:68:0
244	99	54	18:06:50.933	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	4,881,175:35:0
245	99	54	18:06:50.933		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/- 5	2O0	4	0	4,881,175:35:0
246	99	54	18:06:52.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/- 5	2O0	4	0	4,881,175:36:8
247	99	54	20:05:39.600		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/- 5	2O0	4	0	4,881,292:81:0
248	99	54	20:05:39.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/- 5	2O0	4	0	4,881,292:81:0
249	99	54	20:05:39.600	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	2O0	4	0	4,881,292:81:0
250	99	54	20:05:41.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/- 5	2O0	4	0	4,881,292:83:1
251	99	54	20:05:46.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/- 5	2O0	4	0	4,881,293:00:0
252	99	54	20:05:47.466		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/- 5	2O0	4	0	4,881,293:01:8
253	99	54	20:05:48.866		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/- 5	2O0	4	0	4,881,293:03:9
254	99	54	20:09:09.600	488CO6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	4,881,296:32:0
255	99	54	20:09:49.533		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/- 5	2O0	4	0	4,881,297:00:9
256	99	54	20:09:50.733		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/- 5	2O0	4	0	4,881,297:02:7
257	99	54	20:09:50.733		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 5	2O0	4	0	4,881,297:02:7
258	99	54	20:09:52.133		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	4,881,297:04:8
259	99	54	20:10:04.133		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	4,881,297:22:8
260	99	54	20:10:05.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	4,881,297:24:6
261	99	54	20:15:42.266	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,881,302:75:0
262	99	54	20:15:42.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,881,302:75:0
263	99	54	20:15:48.933		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,881,302:85:0
264	99	54	20:15:52.800		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	2O0	4	0	4,881,302:90:8
265	99	54	20:15:52.800		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	2O0	4	0	4,881,302:90:8
266	99	54	20:47:36.200	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	2O0	4	0	4,881,334:34:0
267	99	54	20:47:36.200		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6062.81 +/-	2O0	4	0	4,881,334:34:0
268	99	54	20:47:37.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.61 +/-	2O0	4	0	4,881,334:35:8
269	99	54	21:03:12.200		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.61 +/-	2O0	4	0	4,881,349:73:0
270	99	54	21:03:12.200	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,881,349:73:0
271	99	54	21:03:13.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.73 +/-	2O0	4	0	4,881,349:75:1
272	99	54	21:03:18.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.96 +/-	2O0	4	0	4,881,349:83:0
273	99	54	21:03:20.066		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.02 +/-	2O0	4	0	4,881,349:84:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	99	54	21:03:23.933		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.52 +/-	2O0	4	0	4,881,349:90:6	
275	99	54	21:03:23.933		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.52 +/-	2O0	4	0	4,881,349:90:6	
276	99	54	21:35:20.200		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.76 +/-	2O0	4	0	4,881,381:53:0	
277	99	54	21:35:20.200	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,881,381:53:0	
278	99	54	21:35:21.400		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 163.96 +/-	2O0	4	0	4,881,381:54:8	
279	99	54	21:35:25.266		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.46 +/-	2O0	4	0	4,881,381:60:6	
280	99	54	21:35:25.266		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.46 +/-	2O0	4	0	4,881,381:60:6	
281	99	54	22:07:20.866	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	4,881,413:22:0	
282	99	54	22:07:20.866		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.17 +/-	2O0	4	0	4,881,413:22:0	
283	99	54	22:07:22.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6062.97 +/-	2O0	4	0	4,881,413:23:8	
284	99	54	22:22:04.200	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,881,427:73:0	
285	99	54	22:22:04.200		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6062.97 +/-	2O0	4	0	4,881,427:73:0	
286	99	54	22:22:05.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.09 +/-	2O0	4	0	4,881,427:75:1	
287	99	54	22:22:10.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.33 +/-	2O0	4	0	4,881,427:83:0	
288	99	54	22:22:12.066		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.39 +/-	2O0	4	0	4,881,427:84:8	
289	99	54	22:22:15.933		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6058.89 +/-	2O0	4	0	4,881,427:90:6	
290	99	54	22:22:15.933		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6058.89 +/-	2O0	4	0	4,881,427:90:6	
291	99	54	22:54:11.533		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.17 +/-	2O0	4	0	4,881,459:52:0	
292	99	54	22:54:11.533	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,881,459:52:0	
293	99	54	22:54:12.733		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.37 +/-	2O0	4	0	4,881,459:53:8	
294	99	54	22:54:16.600		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 170.87 +/-	2O0	4	0	4,881,459:59:6	
295	99	54	22:54:16.600		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 170.87 +/-	2O0	4	0	4,881,459:59:6	
296	99	54	22:55:17.533		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.31 +/-	2O0	4	0	4,881,460:60:0	
297	99	54	22:55:17.533	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	4,881,460:60:0	
298	99	54	22:55:18.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.11 +/-	2O0	4	0	4,881,460:61:8	
299	99	54	22:55:59.533	488CO6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,881,461:32:0	
300	99	54	23:09:47.533		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.11 +/-	2O0	4	0	4,881,475:00:0	
301	99	54	23:09:47.533	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	4,881,475:00:0	
302	99	54	23:10:41.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.11 +/-	2O0	4	0	4,881,475:81:0	
303	99	54	23:10:41.533		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.11 +/-	2O0	4	0	4,881,475:81:0	
304	99	54	23:10:41.533	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	2O0	4	0	4,881,475:81:0	
305	99	54	23:10:42.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.23 +/-	2O0	4	0	4,881,475:83:1	
306	99	54	23:10:48.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.47 +/-	2O0	4	0	4,881,476:00:0	
307	99	54	23:10:49.400		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.53 +/-	2O0	4	0	4,881,476:01:8	
308	99	54	23:10:50.800		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.41 +/-	2O0	4	0	4,881,476:03:9	
309	99	54	23:22:15.733		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	4,881,487:30:3	
310	99	54	23:22:16.933		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	4,881,487:32:1	
311	99	54	23:22:16.933		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	4,881,487:32:1	
312	99	54	23:22:18.333		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	4,881,487:34:2	
313	99	54	23:22:30.333		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	4,881,487:52:2	
314	99	54	23:22:31.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	4,881,487:54:0	
315	99	54	23:40:04.200	20UG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	4,881,504:86:0	
316	99	54	23:40:54.200	20UG4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,881,505:70:0	
317	99	54	23:42:08.866	176SO6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	4,881,507:00:0	
318	99	55	01:13:42.866	488CP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,881,597:51:0	
319	99	55	01:54:14.866	488CP6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,881,637:59:0	
320	99	55	01:54:35.533	488CP6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,881,637:90:0	
321	99	55	02:11:18.866	488CP6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,881,654:48:0	
322	99	55	02:43:53.533	488CP6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,881,686:68:0	
323	99	55	03:29:36.866	488CQ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,881,731:88:0	
324	99	55	03:56:26.200	488CQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,881,758:45:0	
325	99	55	04:34:14.866	488CQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,881,795:81:0	
326	99	55	07:14:14.866	488CQ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,881,954:12:0	
327	99	55	08:09:22.866	488CQ6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,882,008:60:0	
328	99	55	08:13:58.866	488CR6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,882,013:19:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	99	55	08:50:14.866	488CR6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,882,049:07:0	
330	99	55	16:16:31.533	488CS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,882,490:41:0	
331	99	55	17:56:22.866	488CS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,882,589:19:0	
332	99	55	21:59:34.866	488CS6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,882,829:67:0	
333	99	55	23:01:26.866	488CT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,882,890:84:0	
334	99	56	01:52:06.866	488CT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,883,059:65:0	
335	99	56	04:23:34.866	488CT6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,883,209:47:0	
336	99	56	07:09:58.800	488CU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,883,374:08:0	
337	99	56	08:04:56.800	488CU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,883,428:41:0	
338	99	56	08:09:42.800	488CU6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,883,433:15:0	
339	99	56	08:45:58.800	488CU6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,883,469:03:0	
340	99	56	22:02:46.800	488CV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,884,257:07:0	
341	99	56	22:12:22.800	488CV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,884,266:52:0	
342	99	56	23:01:26.800	488CV6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,884,315:09:0	
343	99	57	01:56:22.800	488CV6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,884,488:10:0	
344	99	57	04:08:38.800	488CW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,884,618:84:0	
345	99	57	07:03:34.800	488CW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,884,791:85:0	
346	99	57	08:09:42.800	488CW6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,884,857:31:0	
347	99	57	08:39:34.800	488CW6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,884,886:80:0	
348	99	57	09:37:10.800	488CW6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,884,943:77:0	
349	99	57	09:45:37.466	488CX6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,884,952:18:0	
350	99	57	10:19:16.133	488CX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,884,985:43:0	
351	99	57	16:54:30.733	488CY6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,885,376:34:0	
352	99	57	17:58:30.733	488CY6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,885,439:61:0	
353	99	57	18:15:00.733	488CY6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,885,455:90:0	
354	99	57	18:28:22.733	488CY6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,885,469:19:0	
355	99	57	19:04:38.733	488CY6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,885,505:07:0	
356	99	57	22:01:22.733	488CZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,885,679:79:0	
357	99	57	23:01:26.733	488CZ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,885,739:25:0	
358	99	58	02:02:46.733	488CZ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,885,918:56:0	
359	99	58	04:00:06.733	488CZ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,886,034:60:0	
360	99	58	06:59:18.733	488DA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,886,211:81:0	
361	99	58	07:59:02.733	488DA6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,886,270:88:0	
362	99	58	08:26:46.733	488DA6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,886,298:36:0	
363	99	58	09:37:10.733	488DA6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,886,368:02:0	
364	99	58	09:40:41.400	488DA6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,886,371:45:0	
365	99	58	10:14:20.733	488DB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,886,404:71:0	
366	99	58	16:50:14.733	488DC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,886,796:30:0	
367	99	58	17:54:14.733	488DC6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,886,859:57:0	
368	99	58	18:12:59.400	488DC6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,886,878:15:0	
369	99	58	18:28:22.733	488DC6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,886,893:35:0	
370	99	58	19:04:38.733	488DC6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,886,929:23:0	
371	99	58	22:31:18.666	488DD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,887,133:59:0	
372	99	58	22:57:10.666	488DD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,887,159:21:0	
373	99	59	02:47:34.666	488DD6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,887,387:09:0	
374	99	59	02:58:14.666	488DD6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,887,397:59:0	
375	99	59	06:55:02.666	488DE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,887,631:77:0	
376	99	59	07:55:30.666	488DE6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,887,691:59:0	
377	99	59	07:59:02.666	488DE6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,887,695:13:0	
378	99	59	08:17:36.666	488DE6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,887,713:46:0	
379	99	59	08:37:26.666	488DE6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,887,733:11:0	
380	99	59	15:27:36.000	488DF6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,888,138:70:0	
381	99	59	21:56:14.666	488DG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,888,523:13:0	
382	99	59	23:01:26.666	488DG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,888,587:57:0	
383	99	59	23:57:26.000	176SV6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	4,888,643:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	99	60	00:02:00.000	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,888,647:47:0	
385	99	60	00:03:00.000	20UR4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2O0	4	0	4,888,648:46:0	
386	99	60	00:05:00.000	20UR4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	4,888,650:44:0	
387	99	60	00:10:30.000	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	4,888,655:84:0	
388	99	60	00:10:30.666	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	4,888,655:85:0	
389	99	60	00:10:50.666	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	4,888,656:24:0	
390	99	60	00:10:51.333	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	4,888,656:25:0	
391	99	60	00:11:11.333	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	4,888,656:55:0	
392	99	60	00:11:12.000	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	4,888,656:56:0	
393	99	60	00:11:22.000	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	4,888,656:71:0	
394	99	60	00:11:22.666	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	4,888,656:72:0	
395	99	60	00:11:32.666	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	4,888,656:87:0	
396	99	60	00:11:33.333	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	4,888,656:88:0	
397	99	60	00:13:20.000	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	4,888,658:66:0	
398	99	60	00:13:20.666	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	4,888,658:67:0	
399	99	60	00:13:40.666	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	4,888,659:06:0	
400	99	60	00:13:41.333	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	4,888,659:07:0	
401	99	60	00:14:01.333	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	4,888,659:37:0	
402	99	60	00:14:02.000	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	4,888,659:38:0	
403	99	60	00:14:12.000	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	4,888,659:53:0	
404	99	60	00:14:12.666	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	4,888,659:54:0	
405	99	60	00:14:22.666	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	4,888,659:69:0	
406	99	60	00:14:23.333	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	4,888,659:70:0	
407	99	60	00:15:20.000	20UR4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	4,888,660:64:0	
408	99	60	00:40:04.000	20UK4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	4,888,685:15:0	
409	99	60	00:40:54.000	20UK4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,888,685:90:0	
410	99	60	00:42:56.000	176SW6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	4,888,688:00:0	
411	99	60	06:48:38.600	488DH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,889,049:63:0	
412	99	60	07:51:40.600	488DH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,889,112:03:0	
413	99	60	07:54:46.600	488DH6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,889,115:09:0	
414	99	60	08:21:32.600	488DH6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,889,141:52:0	
415	99	60	08:26:46.600	488DH6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,889,146:68:0	
416	99	60	09:47:50.600	488DI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,889,226:84:0	
417	99	60	09:50:47.933	488DI6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,889,229:77:0	
418	99	60	10:24:27.266	488DI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,889,263:12:0	
419	99	60	16:24:38.600	488DJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,889,619:33:0	
420	99	60	17:43:34.600	488DJ6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,889,697:39:0	
421	99	60	18:05:49.266	488DJ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,889,719:39:0	
422	99	60	18:19:50.600	488DJ6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,889,733:27:0	
423	99	60	18:56:06.600	488DJ6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,889,769:15:0	
424	99	61	04:59:22.600	488DK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,890,365:73:0	
425	99	61	06:40:06.600	488DK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,890,465:39:0	
426	99	61	07:48:22.600	488DK6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,890,532:86:0	
427	99	61	08:11:50.600	488DK6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,890,556:14:0	
428	99	61	08:37:26.600	488DK6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,890,581:43:0	
429	99	61	17:24:22.533	488DL6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,891,102:56:0	
430	99	61	18:04:54.533	488DL6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,891,142:64:0	
431	99	61	18:09:09.200	488DL6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,891,146:82:0	
432	99	61	22:01:27.866	488DL6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,891,376:60:0	
433	99	61	22:16:38.533	488DL6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,891,391:61:0	
434	99	61	23:12:06.533	488DM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,891,446:48:0	
435	99	61	23:15:54.533	488DM6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,891,450:26:0	
436	99	61	23:49:33.200	488DM6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,891,483:51:0	
437	99	62	06:23:02.533	488DN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,891,872:66:0	
438	99	62	07:18:30.533	488DN6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,891,927:53:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	99	62	07:32:20.533	488DN6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,891,941:24:0	
440	99	62	07:44:06.533	488DN6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,891,952:82:0	
441	99	62	08:20:22.533	488DN6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,891,988:70:0	
442	99	62	16:31:04.533	488DO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,892,474:07:0	
443	99	62	17:13:42.533	488DO6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,892,516:22:0	
444	99	62	17:49:58.533	488DO6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,892,552:10:0	
445	99	62	17:54:48.533	488DO6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,892,556:81:0	
446	99	62	18:04:54.533	488DO6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,892,566:80:0	
447	99	62	18:41:10.533	488DP6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,892,602:68:0	
448	99	62	21:47:23.800	488DP6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,892,786:84:0	
449	99	62	21:57:26.466	488DP6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,892,796:78:0	
450	99	62	23:16:22.466	488DP6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,892,874:84:0	
451	99	63	06:14:30.466	488DQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,893,288:42:0	
452	99	63	07:39:37.133	488DQ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,893,372:58:0	
453	99	63	07:39:50.466	488DQ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,893,372:78:0	
454	99	63	08:09:42.466	488DQ6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,893,402:36:0	
455	99	63	21:42:20.466	488DR6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,894,206:09:0	
456	99	63	21:51:02.466	488DR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,894,214:64:0	
457	99	63	22:57:10.466	488DR6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,894,280:10:0	
458	99	63	23:22:59.800	488DR6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	4,894,305:59:0	
459	99	63	23:27:23.800	176TH6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	4,894,310:00:0	
460	99	63	23:35:59.800	20WD4C	7STAT	17.45,183.96,-0.	Stator inertial point	2O0	4	0	4,894,318:46:0	
461	99	63	23:55:01.800	490UB412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	4,894,337:30:0	
462	99	63	23:59:59.800	490UB412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	4,894,342:22:0	
463	99	64	00:00:19.800	20WD4D	7STAT	17.45,183.96,-0.	Stator inertial point	2O0	4	0	4,894,342:52:0	
464	99	64	00:04:09.800	490UB412A4E	7VECT		Inert vect update UTC	2O0	4	0	4,894,346:33:0	
465	99	64	00:04:13.800	490UB412A4F	7TURN	2,RTH	ALERT Thruster	2O0	4	0	4,894,346:39:0	
466	99	64	00:08:01.800	490UB412A406A4A	7STAR	16,217,100.73	Star catalog update	2O0	4	0	4,894,350:17:0	
467	99	64	00:08:03.800	490UB412A406A4B	7STAR	2,226,263.15	Star catalog update	2O0	4	0	4,894,350:20:0	
468	99	64	00:08:05.800	490UB412A406A4C	7STAR	3,125,259.73	Star catalog update	2O0	4	0	4,894,350:23:0	
469	99	64	00:08:07.800	490UB412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	2O0	4	0	4,894,350:26:0	
470	99	64	00:08:09.800	490UB412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	2O0	4	0	4,894,350:29:0	
471	99	64	00:08:11.800	490UB412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2O0	4	0	4,894,350:32:0	
472	99	64	00:18:05.800	20WD4F	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,894,360:13:0	
473	99	64	00:26:09.800	490UB412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	4,894,368:11:0	
474	99	64	01:30:46.466	488DR6E	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2O0	4	0	4,894,432:02:0	
475	99	64	01:54:59.800	480UB6A	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1	2O0	4	0	4,894,455:89:0	
476	99	64	02:00:03.800	20TX4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	4,894,460:90:0	
477	99	64	02:00:53.800	20TX4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,894,461:74:0	
478	99	64	02:02:05.800	176TI6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	4,894,463:00:0	
479	99	64	02:13:39.800	480UB6B	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1	2O0	4	0	4,894,474:40:0	
480	99	64	02:32:19.800	480UB6C	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1	2O0	4	0	4,894,492:82:0	
481	99	64	02:50:59.800	488DS6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,894,511:33:0	
482	99	64	03:49:26.466	488DS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,894,569:15:0	
483	99	64	06:29:26.400	488DS6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,894,727:37:0	
484	99	64	07:37:42.400	488DS6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,894,794:84:0	
485	99	64	07:39:31.733	488DS6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,894,796:66:0	
486	99	64	07:48:22.400	488DT6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,894,805:43:0	
487	99	64	08:06:19.733	488DT6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,894,823:21:0	
488	99	64	08:26:46.400	488DT6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,894,843:41:0	
489	99	64	09:23:57.733	488DT6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,894,900:01:0	
490	99	64	09:49:58.400	488DT6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,894,925:67:0	
491	99	64	09:58:53.066	488DU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,894,934:50:0	
492	99	64	16:09:42.400	488DV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,895,301:27:0	
493	99	64	17:17:58.400	488DV6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,895,368:74:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	99	64	17:42:31.066	488DV6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,895,393:08:0	
495	99	64	17:47:50.400	488DV6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,895,398:32:0	
496	99	64	18:24:06.400	488DV6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,895,434:20:0	
497	99	64	21:42:17.733	488DW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,895,630:21:0	
498	99	64	21:51:02.400	488DW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,895,638:80:0	
499	99	64	22:50:46.400	488DW6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,895,697:87:0	
500	99	65	01:41:26.400	488DW6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,895,866:68:0	
501	99	65	03:34:30.400	488DW6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,895,978:52:0	
502	99	65	06:23:02.400	488DX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,896,145:23:0	
503	99	65	07:33:26.400	488DX6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,896,214:80:0	
504	99	65	07:35:35.066	488DX6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,896,217:00:0	
505	99	65	07:44:06.400	488DX6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,896,225:39:0	
506	99	65	08:20:22.400	488DX6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,896,261:27:0	
507	99	65	08:45:55.733	488DY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,896,286:52:0	
508	99	65	14:59:18.333	488DZ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,896,655:77:0	
509	99	65	15:16:22.333	488DZ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,896,672:66:0	
510	99	65	15:31:18.333	488DZ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,896,687:45:0	
511	99	65	18:11:18.333	488DZ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,896,845:67:0	
512	99	65	21:29:42.333	488EA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,897,041:87:0	
513	99	65	21:46:46.333	488EA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,897,058:76:0	
514	99	65	22:50:46.333	488EA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,897,122:12:0	
515	99	66	01:56:22.333	488EA6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,897,305:63:0	
516	99	66	03:13:10.333	488EA6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,897,381:59:0	
517	99	66	06:18:46.333	488EB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,897,565:19:0	
518	99	66	07:28:49.000	488EB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,897,634:44:0	
519	99	66	07:33:26.333	488EB6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,897,639:05:0	
520	99	66	08:09:42.333	488EB6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,897,674:84:0	
521	99	66	08:21:13.000	488EB6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,897,686:28:0	
522	99	66	08:26:46.333	488EC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,897,691:73:0	
523	99	66	09:37:10.333	488EC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,897,761:39:0	
524	99	66	09:51:08.333	488EC6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,897,775:22:0	
525	99	66	10:24:47.666	488EC6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,897,808:48:0	
526	99	66	14:52:54.333	488ED6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,898,073:63:0	
527	99	66	15:16:22.333	488ED6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,898,096:82:0	
528	99	66	15:27:02.333	488ED6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,898,107:41:0	
529	99	66	16:36:09.000	488ED6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,898,175:73:0	
530	99	66	17:09:48.333	488ED6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,898,209:08:0	
531	99	66	18:15:34.333	488EE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,898,274:12:0	
532	99	66	21:57:26.266	488EE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,898,493:51:0	
533	99	66	22:50:46.266	488EE6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,898,546:28:0	
534	99	67	06:14:30.266	488EF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,898,985:15:0	
535	99	67	07:15:41.600	488EF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,899,045:62:0	
536	99	67	07:29:10.266	488EF6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,899,059:01:0	
537	99	67	08:05:26.266	488EF6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,899,094:80:0	
538	99	67	08:27:40.933	488EF6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,899,116:80:0	
539	99	67	09:15:50.266	488EG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,899,164:46:0	
540	99	67	16:09:42.266	488EH6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,899,573:75:0	
541	99	67	17:03:50.266	488EH6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,899,627:33:0	
542	99	67	17:22:14.266	488EH6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,899,645:51:0	
543	99	68	04:30:47.533	488EI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,900,306:70:0	
544	99	68	06:23:02.200	488EI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,900,417:71:0	
545	99	68	07:03:34.200	488EI6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,900,457:79:0	
546	99	68	07:19:48.866	488EI6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,900,473:85:0	
547	99	68	07:33:26.200	488EI6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,900,487:37:0	
548	99	68	08:09:42.200	488EJ6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,900,523:25:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	99	68	09:06:08.200	488EJ6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,900,579:08:0	
550	99	68	09:15:50.200	488EJ6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,900,588:62:0	
551	99	68	14:49:44.866	488EK6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,900,918:84:0	
552	99	68	14:59:18.200	488EK6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,900,928:34:0	
553	99	68	15:31:06.866	488EK6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,900,959:76:0	
554	99	68	16:22:55.533	488EK6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,901,011:07:0	
555	99	68	17:10:13.533	488EK6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,901,057:78:0	
556	99	68	18:21:58.200	488EL6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,901,128:74:0	
557	99	68	21:59:34.200	488EL6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,901,344:02:0	
558	99	69	00:57:00.200	488EM6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,901,519:46:0	
559	99	69	00:58:46.200	488EM6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,901,521:23:0	
560	99	69	01:37:10.200	488EM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,901,559:21:0	
561	99	69	03:15:45.533	488EM6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,901,656:67:0	
562	99	69	06:18:46.200	488EM6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,901,837:67:0	
563	99	69	06:59:18.200	488EN6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,901,877:75:0	
564	99	69	07:15:14.200	488EN6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,901,893:53:0	
565	99	69	07:29:10.200	488EN6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,901,907:33:0	
566	99	69	08:05:26.200	488EN6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,901,943:21:0	
567	99	70	02:51:02.800	488EO6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,903,056:43:0	
568	99	70	04:12:59.466	488EO6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,903,137:47:0	
569	99	70	05:00:18.133	488EO6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,903,184:28:0	
570	99	70	06:55:18.133	488EO6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,903,298:04:0	
571	99	70	06:59:18.133	488EO6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	4,903,302:00:0	
572	99	70	07:35:34.133	488EP6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,903,337:79:0	
573	99	70	21:26:00.733	488EQ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,904,159:17:0	
574	99	70	21:51:02.066	488EQ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,904,183:85:0	
575	99	70	22:35:50.066	488EQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,904,228:22:0	
576	99	71	04:56:34.066	488ER6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,904,604:72:0	
577	99	71	05:04:06.066	488ER6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,904,612:22:0	
578	99	71	08:21:00.066	488ER6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	4,904,806:89:0	
579	99	71	09:30:46.066	488ER6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,904,875:89:0	
580	99	71	14:44:55.400	488ES6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,905,186:62:0	
581	99	71	16:11:58.733	488ES6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,905,272:71:0	
582	**99**	**71**	**17:00:00.000**	**19NNPCTRLT01-**		**-----START------**		**2O0**	**4**	**0**	**: :**	
583	**99**	**71**	**17:00:04.066**	**41FB3A**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**4,905,320:31:0**	
584	**99**	**71**	**17:00:14.066**	**41FB3B**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**4,905,320:46:0**	
585	**99**	**71**	**17:00:24.066**	**41FB3C**	**40T2R**		**1 PCT Heater 2 OFF**	**2O0**	**4**	**0**	**4,905,320:61:0**	
586	**99**	**71**	**17:00:34.066**	**41FB3D**	**40T2R**		**2 PCT Heater 2 OFF**	**2O0**	**4**	**0**	**4,905,320:76:0**	
587	99	71	18:15:34.066	488ES6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,905,395:01:0	
588	99	71	21:38:14.066	488ET6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	4,905,595:41:0	
589	99	71	23:03:43.400	176FB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	4,905,680:00:0	
590	99	71	23:07:04.733	444FB443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	4,905,683:29:0	
591	99	71	23:11:04.733	444FB443A4B	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2O0	4	0	4,905,687:25:0	
592	99	71	23:20:04.733	444FB443A4C	**7CLK**	**17.45,0.0**	Check S/P Position	2O0	4	0	4,905,696:16:0	
593	99	71	23:22:51.400	125FB	NIMSINIT	GS	##### GROUP START INIT	2O0	4	0	4,905,698:84:0	
594	**99**	**71**	**23:22:51.400**	**125FB4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**4,905,698:84:0**	
595	**99**	**71**	**23:23:52.066**	**125FB4B**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**4,905,699:84:0**	
596	99	71	23:24:52.733	125FB11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,905,700:84:0	
597	**99**	**71**	**23:24:52.733**	**125FB4C**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**4,905,700:84:0**	
598	99	71	23:27:54.733	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,905,703:84:0	
599	**99**	**71**	**23:27:54.733**	**127FB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,905,703:84:0**	
600	**99**	**71**	**23:27:55.400**	**127FB4B**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,905,703:85:0**	
601	99	71	23:28:16.066	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,905,704:25:0	
602	**99**	**71**	**23:28:19.400**	**432FB6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,905,704:30:0**	
603	**99**	**71**	**23:30:19.400**	**432FC6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,905,706:28:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	99	71	23:31:01.400	192FC4A	**7CONE**	**17.0,54.88**	Check S/P Position	4R3	4	0	4,905,707:00:0	
605	99	71	23:31:02.066	192FC4B	**7CLK**	**17.0,244.07**	Check S/P Position	4R3	4	0	4,905,707:01:0	
606	99	71	23:33:26.066	488ET6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	4,905,709:35:0	
607	**99**	**71**	**23:34:23.400**	**432FD6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,905,710:30:0**	
608	**99**	**71**	**23:44:28.733**	**432FE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,905,720:28:0**	
609	99	71	23:45:06.066	127FE	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,905,720:84:0	
610	**99**	**71**	**23:45:06.066**	**127FE4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**4,905,720:84:0**	
611	**99**	**71**	**23:45:06.733**	**127FE4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**4,905,720:85:0**	
612	99	71	23:45:27.400	20FE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R0	4	0	4,905,721:25:0	
613	99	71	23:45:27.400	127FE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	4,905,721:25:0	
614	**99**	**71**	**23:47:07.400**	**125FE4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**4,905,722:84:0**	
615	99	71	23:47:07.400	125FE	NIMSINIT	GS	##### GROUP START INIT	460	4	0	4,905,722:84:0	
616	**99**	**71**	**23:48:08.066**	**125FE4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**4,905,723:84:0**	
617	99	71	23:49:08.733	125FE11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	4,905,724:84:0	
618	**99**	**71**	**23:49:08.733**	**125FE4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4O0**	**4**	**0**	**4,905,724:84:0**	
619	99	71	23:50:33.400	444FF443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,905,726:29:0	
620	99	71	23:54:33.400	444FF443A4B	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,905,730:25:0	
621	99	72	00:04:40.066	41FG99A	**POWER**	**PWR MODE change**	Change to Maneuver/Playback Mode	4O0	4	0	4,905,740:25:0	
622	**99**	**72**	**00:06:34.066**	**41FG3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,905,742:14:0**	
623	**99**	**72**	**00:06:44.066**	**41FG3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,905,742:29:0**	
624	**99**	**72**	**00:06:54.066**	**41FG3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,905,742:44:0**	
625	**99**	**72**	**00:07:04.066**	**41FG3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,905,742:59:0**	
626	99	72	00:08:46.733	20FH4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,905,744:31:0	
627	99	72	00:09:36.733	20FH4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,905,745:15:0	
628	99	72	00:10:27.400	176FH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,905,746:00:0	
629	**99**	**72**	**00:50:10.000**	**19NNPCTRLT01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
630	99	72	05:48:54.000	488EU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,906,080:66:0	
631	99	72	06:37:58.000	488EU6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,906,129:23:0	
632	99	72	07:04:47.333	488EU6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,906,155:71:0	
633	99	72	07:18:30.000	488EU6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,906,169:31:0	
634	99	72	07:54:46.000	488EU6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,906,205:19:0	
635	99	73	04:50:35.333	488EV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,907,447:21:0	
636	99	73	05:38:14.000	488EV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,907,494:32:0	
637	99	73	06:33:42.000	488EV6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,907,549:19:0	
638	99	73	07:14:14.000	488EV6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,907,589:27:0	
639	99	73	08:20:22.000	488EV6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,907,654:64:0	
640	99	73	08:48:07.333	488EW6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,907,682:14:0	
641	99	73	09:35:26.000	488EW6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,907,728:86:0	
642	99	73	16:16:05.933	488EX6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,908,125:19:0	
643	99	73	16:53:09.933	488EX6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,908,161:79:0	
644	99	73	16:54:29.933	488EX6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,908,163:17:0	
645	99	73	17:27:40.600	176TA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,908,196:00:0	
646	99	73	17:35:59.933	20WE4C	7STAT	17.45,193.41,-8.	Stator inertial point	4O0	4	0	4,908,204:21:0	
647	99	73	17:49:59.933	488EX6D	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,908,218:07:0	
648	99	73	17:55:01.933	490UC412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,908,223:05:0	
649	99	73	17:59:59.933	490UC412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,908,227:88:0	
650	99	73	18:00:19.933	20WE4D	7STAT	17.45,193.41,-8.	Stator inertial point	4O0	4	0	4,908,228:27:0	
651	99	73	18:04:09.933	490UC412A4E	7VECT		Inert vect update UTC	4O0	4	0	4,908,232:08:0	
652	99	73	18:04:13.933	490UC412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	4,908,232:14:0	
653	99	73	18:08:01.933	490UC412A406A4A	7STAR	1,875,114.162,5.	Star catalog update	4O0	4	0	4,908,235:83:0	
654	99	73	18:08:03.933	490UC412A406A4B	7STAR	2,100,230.20	Star catalog update	4O0	4	0	4,908,235:86:0	
655	99	73	18:08:05.933	490UC412A406A4C	7STAR	3,332,275.21	Star catalog update	4O0	4	0	4,908,235:89:0	
656	99	73	18:08:07.933	490UC412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	4,908,236:01:0	
657	99	73	18:08:09.933	490UC412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	4,908,236:04:0	
658	99	73	18:08:11.933	490UC412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	4,908,236:07:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
659	99	73	18:09:09.933	488EX6E	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	4O0	4	0	4,908,237:03:0
660	99	73	18:19:55.933	488EY6A	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	4,908,247:62:0
661	99	73	18:20:05.933	20WE4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,908,247:77:0
662	99	73	18:26:09.933	490UC412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,908,253:77:0
663	99	73	19:54:59.933	480UC6A	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1	4O0	4	0	4,908,341:64:0
664	99	73	20:00:03.933	20UB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,908,346:65:0
665	99	73	20:00:53.933	20UB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,908,347:49:0
666	99	73	20:02:22.600	176TB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,908,349:00:0
667	99	73	20:13:39.933	480UC6B	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1	4O0	4	0	4,908,360:15:0
668	99	73	20:32:19.933	480UC6C	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1	4O0	4	0	4,908,378:57:0
669	99	73	20:50:59.933	488EY6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,908,397:08:0
670	99	73	20:57:14.600	488EY6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,908,403:24:0
671	99	73	21:12:37.933	488EY6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,908,418:44:0
672	99	73	21:46:55.933	488EY6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,908,452:37:0
673	99	73	22:35:49.933	488EZ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,908,500:70:0
674	99	74	05:48:53.933	488FA6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,908,929:07:0
675	99	74	06:23:38.600	488FA6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,908,963:40:0
676	99	74	10:01:55.266	488FA6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,909,179:29:0
677	99	74	14:28:37.933	488FB6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,909,443:09:0
678	99	75	08:11:53.200	488FC6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,910,494:61:0
679	99	75	11:59:59.866	41XE99A	**POWER**	**PWR MODE change**	Change to Calib/Decon Mode	4O0	4	0	4,910,720:25:0
680	**99**	**75**	**12:00:00.000**	**19NNRCTRLT01-**		**-----START------**		**4O0**	**4**	**0**	**: :**
681	**99**	**75**	**12:00:03.866**	**41XE3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,910,720:31:0**
682	**99**	**75**	**12:00:13.866**	**41XE3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,910,720:46:0**
683	**99**	**75**	**12:00:23.866**	**41XE3K**	**40T2R**		**1 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,910,720:61:0**
684	**99**	**75**	**12:00:33.866**	**41XE3L**	**40T2R**		**2 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,910,720:76:0**
685	99	75	12:10:50.533	176XU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,910,731:00:0
686	99	75	12:14:09.200	20XE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,910,734:25:0
687	99	75	12:18:15.866	20DA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,910,738:31:0
688	99	75	12:19:05.866	20DA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,910,739:15:0
689	99	75	12:20:57.200	176XV6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,910,741:00:0
690	**99**	**75**	**12:21:57.866**	**185XE10A3A**	**40HRP**		**1 RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**4,910,742:00:0**
691	**99**	**75**	**12:22:03.200**	**185XE10B3A**	**40HRP**		**2 RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**4,910,742:08:0**
692	99	75	13:53:35.866	488FC6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,910,832:57:0
693	99	75	21:36:51.866	488FD6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,911,290:73:0
694	99	75	22:31:33.866	488FD6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,911,344:82:0
695	99	76	00:16:44.533	125XE	NIMSINIT	GS	##### GROUP START INIT	4O0	4	0	4,911,448:84:0
696	**99**	**76**	**00:16:44.533**	**125XE4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**4,911,448:84:0**
697	**99**	**76**	**00:17:45.200**	**125XE4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**4R0**	**4**	**0**	**4,911,449:84:0**
698	**99**	**76**	**00:18:45.866**	**125XE4C**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**4,911,450:84:0**
699	**99**	**76**	**00:19:46.533**	**125XE4D**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**4,911,451:84:0**
700	99	76	00:19:46.533	125XE11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	4,911,451:84:0
701	99	76	00:21:47.866	127XE	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	4,911,453:84:0
702	**99**	**76**	**00:21:47.866**	**127XE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**4,911,453:84:0**
703	**99**	**76**	**00:21:48.533**	**127XE4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**4,911,453:85:0**
704	99	76	00:22:09.200	127XE11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	4,911,454:25:0
705	99	76	00:25:55.200	176XE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	4,911,458:00:0
706	99	76	00:31:59.200	192XE4A	**7CONE**	**17.0,119.7**	Check S/P Position	1R3	4	0	4,911,464:00:0
707	**99**	**76**	**00:34:20.533**	**432XE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,911,466:30:0**
708	**99**	**76**	**00:35:19.866**	**432XF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,911,467:28:0**
709	99	76	00:38:03.200	192XE4B	**7CONE**	**17.0,0.0**	Check S/P Position	1R3	4	0	4,911,470:00:0
710	**99**	**76**	**00:40:24.533**	**432XU6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,911,472:30:0**
711	**99**	**76**	**00:42:24.533**	**432XV6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,911,474:28:0**
712	99	76	00:44:07.200	192XE4C	**7CONE**	**17.0,119.7**	Check S/P Position	1R3	4	0	4,911,476:00:0
713	**99**	**76**	**00:46:08.533**	**185XE10C3A**	**40HRPR**		**1 RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**4,911,478:00:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
714	99	76	00:46:13.866	185XE10D3A	40HRPR		2 RCT Heater OFF (primary relay)	1R3	4	0	4,911,478:08:0
715	99	76	00:46:28.533	432XW6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	1R3	4	0	4,911,478:30:0
716	99	76	00:47:27.866	432XY6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	1R3	4	0	4,911,479:28:0
717	99	76	00:49:05.866	125DC4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R3	4	0	4,911,480:84:0
718	99	76	00:49:05.866	125DC11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,911,480:84:0
719	99	76	00:49:05.866	125DC	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,911,480:84:0
720	99	76	00:50:06.533	127DC4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	4,911,481:84:0
721	99	76	00:50:06.533	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,911,481:84:0
722	99	76	00:50:07.200	127DC4B	37ETB	07,C7,31,80,00,0	Loads wavelength edit table	4R3	4	0	4,911,481:85:0
723	99	76	00:50:11.200	192XE4D	7CONE	17.0,153.0	Check S/P Position	4R3	4	0	4,911,482:00:0
724	99	76	00:50:27.866	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,911,482:25:0
725	99	76	00:50:31.200	432DC6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	4,911,482:30:0
726	99	76	00:51:07.200	125DD11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,911,482:84:0
727	99	76	00:51:07.200	125DD	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,911,482:84:0
728	99	76	00:51:07.200	125DD4A	37IST	0,2,1,OFF,1,0,1	OPCAL	4R3	4	0	4,911,482:84:0
729	99	76	00:53:08.533	125DE11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,911,484:84:0
730	99	76	00:53:08.533	125DE	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,911,484:84:0
731	99	76	00:53:08.533	125DE4A	37IST	0,2,1,OFF,1,0,1	OPCAL	4R3	4	0	4,911,484:84:0
732	99	76	00:53:31.866	432DE6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	4,911,485:28:0
733	99	76	00:57:11.200	127XF	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,911,488:84:0
734	99	76	00:57:11.200	127XF4A	37IOP	0,0	Safe, Grating Start Position =00	4R0	4	0	4,911,488:84:0
735	99	76	00:57:11.866	127XF4B	37ETB	04,C4,02,00,00	Loads wavelength edit table	4R0	4	0	4,911,488:85:0
736	99	76	00:57:32.533	127XF11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	4,911,489:25:0
737	99	76	01:00:13.200	125XF4A	37MB	0,0,0,0,0,0	Selects mirror (spatial) edit table	4R0	4	0	4,911,491:84:0
738	99	76	01:00:13.200	125XF	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,911,491:84:0
739	99	76	01:01:13.866	125XF4B	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	460	4	0	4,911,492:84:0
740	99	76	01:02:14.533	125XF4C	37IST	1,1,0,OFF,0,0,0	Chopper OFF, N/A, 63Hz (Ref)	4O0	4	0	4,911,493:84:0
741	99	76	01:02:14.533	125XF11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	4,911,493:84:0
742	99	76	01:08:39.866	41XU99A	POWER	PWR MODE change	Change to Maneuver/Playback Mode	4O0	4	0	4,911,500:25:0
743	99	76	01:10:33.866	41XU3G	40T1P		1 PCT Heater 1 ON (primary relay)	4O0	4	0	4,911,502:14:0
744	99	76	01:10:43.866	41XU3H	40T1P		2 PCT Heater 1 ON (primary relay)	4O0	4	0	4,911,502:29:0
745	99	76	01:10:53.866	41XU3I	40T2		1 PCT Heater 2 ON	4O0	4	0	4,911,502:44:0
746	99	76	01:11:03.866	41XU3J	40T2		2 PCT Heater 2 ON	4O0	4	0	4,911,502:59:0
747	99	76	01:15:44.666	19NNRCTRLT01-		-----STOP-------		4O0	4	0	: :
748	99	76	01:18:50.533	20DB4A	7SAFE	STOP	S/P NO MOVEMENT	4O0	4	0	4,911,510:31:0
749	99	76	01:19:40.533	20DB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,911,511:15:0
750	99	76	01:21:31.866	176XF6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,911,513:00:0
751	99	76	05:38:13.800	488FE6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,911,766:80:0
752	99	76	06:18:35.133	488FE6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,911,806:72:0
753	99	76	15:16:51.133	488FF6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,912,339:13:0
754	99	76	18:00:37.800	488FF6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,912,501:11:0
755	99	76	21:03:02.466	488FF6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,912,681:48:0
756	99	76	21:19:01.800	488FG6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,912,697:31:0
757	99	77	00:00:41.133	488FG6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,912,857:20:0
758	99	77	05:08:33.800	488FH6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,913,161:65:0
759	99	77	17:15:42.400	488FI6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,913,880:79:0
760	99	77	20:23:31.733	488FI6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,914,066:57:0
761	99	77	21:31:49.066	488FI6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,914,134:15:0
762	99	77	22:22:47.733	488FI6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,914,184:53:0
763	99	77	22:31:33.733	488FI6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,914,193:23:0
764	99	77	23:15:33.733	488FJ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,914,236:70:0
765	99	78	05:27:33.733	488FK6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,914,604:62:0
766	99	78	06:13:31.733	488FK6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,914,650:13:0
767	99	78	09:26:47.733	488FK6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,914,841:26:0
768	99	78	11:52:59.733	488FL6A	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,914,985:80:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
769	99	78	11:57:09.733	176SD6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,914,990:00:0
770	99	78	12:08:59.733	20BA4C	7STAT	17.45,104.3921,6	Stator inertial point	4O0	4	0	4,915,001:64:0
771	99	78	12:29:59.733	474BA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,915,022:43:0
772	99	78	12:31:59.733	474BA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,915,024:41:0
773	99	78	12:32:19.733	20BA4D	7STAT	17.45,104.3921,6	Stator inertial point	4O0	4	0	4,915,024:71:0
774	99	78	12:36:13.733	474BA416A4E	7BURN	,104.392099,6.72	ALERT -- Thruster fire	4O0	4	0	4,915,028:58:0
775	99	78	12:56:13.733	20BA4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,915,048:38:0
776	99	78	13:02:05.733	20BA4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,915,054:20:0
777	99	78	13:26:21.733	20BA4L	7STAT	17.45,104.3921,6	Stator inertial point	4O0	4	0	4,915,078:20:0
778	99	78	13:29:21.733	20BA4O	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,915,081:17:0
779	99	78	13:31:21.733	474BA416A4G	7BURN	T,104.392099,6.7	ALERT -- Thruster fire	4O0	4	0	4,915,083:15:0
780	99	78	13:37:57.733	20BA4Q	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,915,089:63:0
781	99	78	13:42:49.733	20BA4R	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,915,094:46:0
782	99	78	14:50:21.733	20BB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,915,161:27:0
783	99	78	14:51:11.733	20BB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,915,162:11:0
784	99	78	14:52:05.066	176BA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,915,163:00:0
785	99	78	16:23:19.733	488FL6B	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,915,253:22:0
786	99	78	17:00:59.733	488FL6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,915,290:45:0
787	99	78	17:01:30.400	176SE6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,915,291:00:0
788	99	78	18:14:05.733	488FM6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,915,362:72:0
789	99	78	20:18:31.000	488FM6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,915,485:77:0
790	99	78	23:49:06.333	488FM6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,915,694:11:0
791	99	79	04:43:31.000	488FN6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,915,985:27:0
792	99	79	09:39:07.000	488FN6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,916,277:59:0
793	99	79	13:38:29.666	488FO6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,916,514:36:0
794	99	79	15:57:37.666	176SX6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,916,652:00:0
795	99	79	16:02:00.333	20US4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,916,656:30:0
796	99	79	16:03:00.333	20US4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	4,916,657:29:0
797	99	79	16:05:00.333	20US4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,916,659:27:0
798	99	79	16:10:30.333	20US4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	4,916,664:67:0
799	99	79	16:10:31.000	20US4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	4,916,664:68:0
800	99	79	16:10:51.000	20US4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	4,916,665:07:0
801	99	79	16:10:51.666	20US4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	4,916,665:08:0
802	99	79	16:11:11.666	20US4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,916,665:38:0
803	99	79	16:11:12.333	20US4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,916,665:39:0
804	99	79	16:11:22.333	20US4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,916,665:54:0
805	99	79	16:11:23.000	20US4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,916,665:55:0
806	99	79	16:11:33.000	20US4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	4,916,665:70:0
807	99	79	16:11:33.666	20US4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	4,916,665:71:0
808	99	79	16:13:20.333	20US4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	4,916,667:49:0
809	99	79	16:13:21.000	20US4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	4,916,667:50:0
810	99	79	16:13:41.000	20US4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	4,916,667:80:0
811	99	79	16:13:41.666	20US4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	4,916,667:81:0
812	99	79	16:14:01.666	20US4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,916,668:20:0
813	99	79	16:14:02.333	20US4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,916,668:21:0
814	99	79	16:14:12.333	20US4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,916,668:36:0
815	99	79	16:14:13.000	20US4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,916,668:37:0
816	99	79	16:14:23.000	20US4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	4,916,668:52:0
817	99	79	16:14:23.666	20US4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	4,916,668:53:0
818	99	79	16:15:20.333	20US4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,916,669:47:0
819	99	79	16:40:04.333	20UL4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,916,693:89:0
820	99	79	16:40:54.333	20UL4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,916,694:73:0
821	99	79	16:42:07.000	176SY6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,916,696:00:0
822	99	79	17:14:07.000	488FO6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,916,727:59:0
823	99	79	20:13:29.666	488FP6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,916,905:05:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	99	79	21:31:46.333	488FP6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,916,982:43:0	
825	99	79	21:53:21.666	488FP6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,917,003:75:0	
826	99	79	23:44:08.333	488FP6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,917,113:35:0	
827	99	80	05:58:28.933	488FQ6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,917,483:56:0	
828	99	80	07:56:09.600	176SP6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,917,600:00:0	
829	99	80	08:02:13.600		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,917,606:00:0	
830	99	80	08:02:13.600		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,917,606:00:0	
831	99	80	08:02:13.600	465WK6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	4,917,606:00:0	
832	99	80	08:02:13.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,917,606:00:0	
833	99	80	08:02:20.266		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,917,606:10:0	
834	99	80	08:02:21.666		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	4,917,606:12:1	
835	99	80	08:21:44.933	488FQ6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,917,625:28:0	
836	99	80	13:43:22.400		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	4,917,943:36:2	
837	99	80	13:43:23.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	4,917,943:38:0	
838	99	80	13:55:54.933	465WL6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,917,955:73:0	
839	99	80	13:55:54.933		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	4,917,955:73:0	
840	99	80	13:55:56.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	4,917,955:75:1	
841	99	80	13:56:01.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	4,917,955:83:0	
842	99	80	13:56:02.800		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	4,917,955:84:8	
843	99	80	13:56:06.666		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	4,917,955:90:6	
844	99	80	13:56:06.666		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	4,917,955:90:6	
845	99	80	14:21:46.933		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	4,917,981:35:0	
846	99	80	14:21:46.933	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,917,981:35:0	
847	99	80	14:21:48.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	4,917,981:36:8	
848	99	80	15:33:28.933	488FR6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,918,052:27:0	
849	99	80	17:46:44.933	488FR6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,918,184:09:0	
850	99	80	20:13:28.933	488FR6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,918,329:20:0	
851	99	80	21:31:44.933	488FR6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,918,406:57:0	
852	99	80	21:50:12.933		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	4,918,424:81:0	
853	99	80	21:50:12.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	4,918,424:81:0	
854	99	80	21:50:12.933	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	4O0	4	0	4,918,424:81:0	
855	99	80	21:50:14.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	4,918,424:83:1	
856	99	80	21:50:19.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	4,918,425:00:0	
857	99	80	21:50:20.800		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	4,918,425:01:8	
858	99	80	21:50:22.200		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	4,918,425:03:9	
859	99	80	21:54:09.600	488FS6A	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,918,428:72:0	
860	99	80	21:54:22.866		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	4,918,429:00:9	
861	99	80	21:54:24.066		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	4,918,429:02:7	
862	99	80	21:54:24.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	4,918,429:02:7	
863	99	80	21:54:25.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	4,918,429:04:8	
864	99	80	21:54:37.466		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	4,918,429:22:8	
865	99	80	21:54:38.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	4,918,429:24:6	
866	99	80	22:00:15.600	465WN6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,918,434:75:0	
867	99	80	22:00:15.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,918,434:75:0	
868	99	80	22:00:22.266		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,918,434:85:0	
869	99	80	22:00:26.133		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	4,918,434:90:8	
870	99	80	22:00:26.133		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	4,918,434:90:8	
871	99	80	22:32:09.600	465WN6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	4,918,466:34:0	
872	99	80	22:32:09.600		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	4,918,466:34:0	
873	99	80	22:32:10.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	4,918,466:35:8	
874	99	80	22:47:45.600		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	4,918,481:73:0	
875	99	80	22:47:45.600	465WO6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,918,481:73:0	
876	99	80	22:47:47.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	4,918,481:75:1	
877	99	80	22:47:52.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	4,918,481:83:0	
878	99	80	22:47:53.466		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	4,918,481:84:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
879	99	80	22:47:57.333		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	4,918,481:90:6
880	99	80	22:47:57.333		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	4,918,481:90:6
881	99	80	23:19:53.600		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	4,918,513:53:0
882	99	80	23:19:53.600	465WP6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,918,513:53:0
883	99	80	23:19:54.800		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	4,918,513:54:8
884	99	80	23:19:58.666		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	4,918,513:60:6
885	99	80	23:19:58.666		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	4,918,513:60:6
886	99	80	23:51:54.266	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,918,545:22:0
887	99	80	23:51:54.266		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	4,918,545:22:0
888	99	80	23:51:55.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	4,918,545:23:8
889	99	81	00:06:37.600		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	4,918,559:73:0
890	99	81	00:06:37.600	465WQ6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,918,559:73:0
891	99	81	00:06:39.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	4,918,559:75:1
892	99	81	00:06:44.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	4,918,559:83:0
893	99	81	00:06:45.466		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	4,918,559:84:8
894	99	81	00:06:49.333		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	4,918,559:90:6
895	99	81	00:06:49.333		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	4,918,559:90:6
896	99	81	00:38:44.933		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	4,918,591:52:0
897	99	81	00:38:44.933	465WR6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,918,591:52:0
898	99	81	00:38:46.133		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	4,918,591:53:8
899	99	81	00:38:50.000		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	4,918,591:59:6
900	99	81	00:38:50.000		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	4,918,591:59:6
901	99	81	00:39:50.933	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,918,592:60:0
902	99	81	00:39:50.933		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	4,918,592:60:0
903	99	81	00:39:52.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	4,918,592:61:8
904	99	81	00:40:59.600	488FS6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,918,593:72:0
905	99	81	00:54:20.933	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,918,607:00:0
906	99	81	00:54:20.933		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	4,918,607:00:0
907	99	81	00:55:14.933	465WT6A	6DTRN	CMD,6DTRN,465WT6	DMS TRACK TURNAROUND	4O0	4	0	4,918,607:81:0
908	99	81	00:55:14.933		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	4,918,607:81:0
909	99	81	00:55:14.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	4,918,607:81:0
910	99	81	00:55:16.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	4,918,607:83:1
911	99	81	00:55:21.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	4,918,608:00:0
912	99	81	00:55:22.800		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	4,918,608:01:8
913	99	81	00:55:24.200		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	4,918,608:03:9
914	99	81	01:06:50.000		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	4,918,619:31:6
915	99	81	01:06:51.200		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	4,918,619:33:4
916	99	81	01:06:51.200		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	4,918,619:33:4
917	99	81	01:06:52.600		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	4,918,619:35:5
918	99	81	01:07:04.600		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	4,918,619:53:5
919	99	81	01:07:05.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	4,918,619:55:3
920	99	81	01:24:40.933		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,918,637:00:0
921	99	81	01:24:40.933		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,918,637:00:0
922	99	81	01:24:40.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,918,637:00:0
923	99	81	01:24:40.933	465SZ6A	6DMST	3114	DMS Slew to TIC	4O0	4	0	4,918,637:00:0
924	99	81	01:24:47.600		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,918,637:10:0
925	99	81	01:24:49.000		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	4,918,637:12:1
926	99	81	04:51:43.066		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *3111.94 +/-	4O0	4	0	4,918,841:69:2
927	99	81	04:51:44.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3112.00 +/-	4O0	4	0	4,918,841:71:0
928	**99**	**81**	**05:00:00.000**	**20A3FE**	**40T1P**	**Final Condition**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,918,849:86:6**
929	**99**	**81**	**05:00:00.000**	**20A3FF**	**40T2**	**Final Condition**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,918,849:86:6**
930	**99**	**81**	**05:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,918,849:86:6**
931	**99**	**81**	**05:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**4,918,849:86:6**
932	**99**	**81**	**05:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**4,918,849:86:6**
933	**99**	**81**	**05:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,918,849:86:6**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	**99**	**81**	**05:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**4,918,849:86:6**	
935	**99**	**81**	**05:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,918,849:86:6**	
936	**99**	**81**	**05:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,918,849:86:6**	
937	99	81	05:00:00.266		DMS:	: READY	RDY, TRACK 1, FWD, TIC 3112.00 +/-	4O0	4	0	4,918,849:87:0	

Sequence: E19C-AR Created: 6/28/99 Begin: 99-081/05:00:00 Finish: 99-122/17:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	99	81	05:00:00.000	20A3EW	37A	CMD,37A,20A3EW,,	NIMS Power ON	4O0	4	0	4,918,849:86:6
2	99	81	05:00:00.000	20A3FA	37F1PR	CMD,37F1PR,20A3F	Radiator Flash Heater OFF (primary relay)	4O0	4	0	4,918,849:86:6
3	99	81	05:00:00.000	20A3EX	37HR	CMD,37HR,20A3EX,	Replacement Heaters OFF	4O0	4	0	4,918,849:86:6
4	99	81	05:00:00.000	20A3EY	37C1PR	CMD,37C1PR,20A3E	Optics Heater 1 OFF (primary relay)	4O0	4	0	4,918,849:86:6
5	99	81	05:00:00.000	20A3EZ	37C2PR	CMD,37C2PR,20A3E	Optics Heater 2 OFF (primary relay)	4O0	4	0	4,918,849:86:6
6	99	81	05:00:00.000	20A3FF	40T2	CMD,40T2,20A3FF,	PCT Heater 2 ON	4O0	4	0	4,918,849:86:6
7	99	81	05:00:00.000	20A3FE	40T1P	CMD,40T1P,20A3FE	PCT Heater 1 ON (primary relay)	4O0	4	0	4,918,849:86:6
8	99	81	05:00:00.000	20A3FD	40HRPR	CMD,40HRPR,20A3F	RCT Heater OFF (primary relay)	4O0	4	0	4,918,849:86:6
9	99	81	05:00:00.000	20A3FB	37F2PR	CMD,37F2PR,20A3F	Shield Flash Heater OFF (primary relay)	4O0	4	0	4,918,849:86:6
10	99	81	05:00:00.266		DMS:	: READY	RDY, TRACK 1, FWD, TIC 3112.00 +/-	4O0	4	0	4,918,849:87:0
11	99	81	05:01:02.266	432NB6B	6RTDS2	NIMDSL,AACDSL,RT	NIMS R/T DESELECTAACS DESELECT	4O0	4	0	4,918,850:89:0
12	99	81	05:01:57.600	488AA6A	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,918,851:81:0
13	99	81	05:48:27.600	488AA6B	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,918,897:80:0
14	99	81	18:06:42.200	488AB6A	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,919,628:01:0
15	99	100	09:33:25.933	488AC6A	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,946,179:67:0
16	99	100	20:21:45.933	488AD6A	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,946,820:86:0
17	99	100	22:01:59.933	20UT4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,946,920:07:0
18	99	100	22:02:59.933	20UT4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	4,946,921:06:0
19	99	100	22:04:59.933	20UT4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,946,923:04:0
20	99	100	22:10:29.933	20UT4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	4,946,928:44:0
21	99	100	22:10:30.600	20UT4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	4,946,928:45:0
22	99	100	22:10:50.600	20UT4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	4,946,928:75:0
23	99	100	22:10:51.266	20UT4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	4,946,928:76:0
24	99	100	22:11:11.266	20UT4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,946,929:15:0
25	99	100	22:11:11.933	20UT4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,946,929:16:0
26	99	100	22:11:21.933	20UT4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,946,929:31:0
27	99	100	22:11:22.600	20UT4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,946,929:32:0
28	99	100	22:11:32.600	20UT4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	4,946,929:47:0
29	99	100	22:11:33.266	20UT4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	4,946,929:48:0
30	99	100	22:13:19.933	20UT4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	4,946,931:26:0
31	99	100	22:13:20.600	20UT4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	4,946,931:27:0
32	99	100	22:13:40.600	20UT4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	4,946,931:57:0
33	99	100	22:13:41.266	20UT4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	4,946,931:58:0
34	99	100	22:14:01.266	20UT4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,946,931:88:0
35	99	100	22:14:01.933	20UT4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,946,931:89:0
36	99	100	22:14:11.933	20UT4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,946,932:13:0
37	99	100	22:14:12.600	20UT4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,946,932:14:0
38	99	100	22:14:22.600	20UT4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	4,946,932:29:0
39	99	100	22:14:23.266	20UT4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	4,946,932:30:0
40	99	100	22:15:19.933	20UT4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,946,933:24:0
41	99	100	22:40:03.933	20UU4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,946,957:66:0
42	99	100	22:40:53.933	20UU4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,946,958:50:0
43	99	101	05:03:30.600	488AE6A	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,947,336:87:0
44	99	101	07:06:47.266	488AE6B	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,947,458:80:0
45	99	101	07:33:20.600	488AE6C	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,947,485:13:0
46	99	101	09:20:45.266	488AE6D	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,947,591:34:0
47	99	101	14:23:31.200	488AF6A	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,947,890:74:0
48	99	101	14:47:58.533		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 3112.00 +/-	4O0	4	0	4,947,915:00:0
49	99	101	14:47:58.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3112.00 +/-	4O0	4	0	4,947,915:00:0
50	99	101	14:47:58.533	465XA6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	4,947,915:00:0
51	99	101	14:48:05.200		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 3112.00 +/-	4O0	4	0	4,947,915:10:0
52	99	101	14:48:06.600		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *3112.12 +/-	4O0	4	0	4,947,915:12:1
53	99	101	17:02:12.000		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	4,948,047:68:2

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
54	99	101	17:02:13.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	4,948,047:70:0
55	99	101	20:16:47.866	488AF6B	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,948,240:19:0
56	99	101	20:41:39.866		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	4,948,264:73:0
57	99	101	20:41:39.866	465XB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,948,264:73:0
58	99	101	20:41:41.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	4,948,264:75:1
59	99	101	20:41:46.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	4,948,264:83:0
60	99	101	20:41:47.733		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	4,948,264:84:8
61	99	101	20:41:51.600		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	4,948,264:90:6
62	99	101	20:41:51.600		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	4,948,264:90:6
63	99	101	21:07:31.866		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	4,948,290:35:0
64	99	101	21:07:31.866	465XB6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,948,290:35:0
65	99	101	21:07:33.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	4,948,290:36:8
66	99	101	23:10:23.200	465XC6A	6DTRN	CMD,6DTRN,465XC6	DMS TRACK TURNAROUND	4O0	4	0	4,948,411:81:0
67	99	101	23:10:23.200		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	4,948,411:81:0
68	99	101	23:10:23.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	4,948,411:81:0
69	99	101	23:10:24.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	4,948,411:83:1
70	99	101	23:10:29.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	4,948,412:00:0
71	99	101	23:10:31.066		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	4,948,412:01:8
72	99	101	23:10:32.466		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	4,948,412:03:9
73	99	101	23:14:09.200	488AG6A	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,948,415:56:0
74	99	101	23:14:33.133		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	4,948,416:00:9
75	99	101	23:14:34.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	4,948,416:02:7
76	99	101	23:14:34.333		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	4,948,416:02:7
77	99	101	23:14:35.733		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	4,948,416:04:8
78	99	101	23:14:47.733		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	4,948,416:22:8
79	99	101	23:14:48.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	4,948,416:24:6
80	99	101	23:20:25.866	465XD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,948,421:75:0
81	99	101	23:20:25.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,948,421:75:0
82	99	101	23:20:32.533		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,948,421:85:0
83	99	101	23:20:36.400		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	4,948,421:90:8
84	99	101	23:20:36.400		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	4,948,421:90:8
85	99	101	23:52:19.866	465XD6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	4,948,453:34:0
86	99	101	23:52:19.866		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	4,948,453:34:0
87	99	101	23:52:21.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	4,948,453:35:8
88	99	102	00:07:55.866	465XE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,948,468:73:0
89	99	102	00:07:55.866		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	4,948,468:73:0
90	99	102	00:07:57.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	4,948,468:75:1
91	99	102	00:08:02.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	4,948,468:83:0
92	99	102	00:08:03.733		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	4,948,468:84:8
93	99	102	00:08:07.600		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	4,948,468:90:6
94	99	102	00:08:07.600		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	4,948,468:90:6
95	99	102	00:40:03.866	465XF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,948,500:53:0
96	99	102	00:40:03.866		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	4,948,500:53:0
97	99	102	00:40:05.066		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	4,948,500:54:8
98	99	102	00:40:08.933		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	4,948,500:60:6
99	99	102	00:40:08.933		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	4,948,500:60:6
100	99	102	01:12:04.533	465XF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,948,532:22:0
101	99	102	01:12:04.533		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	4,948,532:22:0
102	99	102	01:12:05.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	4,948,532:23:8
103	99	102	01:26:47.866		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	4,948,546:73:0
104	99	102	01:26:47.866	465XG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,948,546:73:0
105	99	102	01:26:49.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	4,948,546:75:1
106	99	102	01:26:54.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	4,948,546:83:0
107	99	102	01:26:55.733		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	4,948,546:84:8
108	99	102	01:26:59.600		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	4,948,546:90:6

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	99	102	01:26:59.600		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	4,948,546:90:6	
110	99	102	01:58:55.200		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	4,948,578:52:0	
111	99	102	01:58:55.200	465XH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,948,578:52:0	
112	99	102	01:58:56.400		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	4,948,578:53:8	
113	99	102	01:59:00.266		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	4,948,578:59:6	
114	99	102	01:59:00.266		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	4,948,578:59:6	
115	99	102	02:00:01.200		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	4,948,579:60:0	
116	99	102	02:00:01.200	465XH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,948,579:60:0	
117	99	102	02:00:02.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	4,948,579:61:8	
118	99	102	02:00:59.200	488AG6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,948,580:56:0	
119	99	102	02:14:31.200		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	4,948,594:00:0	
120	99	102	02:14:31.200	465XI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,948,594:00:0	
121	99	102	02:15:25.200	465XJ6A	6DTRN	CMD,6DTRN,465XJ6	DMS TRACK TURNAROUND	4O0	4	0	4,948,594:81:0	
122	99	102	02:15:25.200		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	4,948,594:81:0	
123	99	102	02:15:25.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	4,948,594:81:0	
124	99	102	02:15:26.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	4,948,594:83:1	
125	99	102	02:15:31.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	4,948,595:00:0	
126	99	102	02:15:33.066		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	4,948,595:01:8	
127	99	102	02:15:34.466		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	4,948,595:03:9	
128	99	102	02:27:00.266		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	4,948,606:31:6	
129	99	102	02:27:01.466		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	4,948,606:33:4	
130	99	102	02:27:01.466		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	4,948,606:33:4	
131	99	102	02:27:02.866		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	4,948,606:35:5	
132	99	102	02:27:14.866		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	4,948,606:53:5	
133	99	102	02:27:16.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	4,948,606:55:3	
134	99	102	02:41:03.866	20UZ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,948,620:23:0	
135	99	102	02:41:53.866	20UZ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,948,621:07:0	
136	99	102	02:44:51.200	176WJ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,948,624:00:0	
137	99	102	04:28:31.866	488AG6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,948,726:49:0	
138	99	102	06:41:47.866	488AH6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,948,858:31:0	
139	99	102	07:18:19.200	488AH6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,948,894:42:0	
140	99	102	09:05:43.200	488AH6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,949,000:62:0	
141	99	102	14:38:33.200	488AI6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,949,329:78:0	
142	99	103	06:26:49.800	488AJ6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,950,267:65:0	
143	99	103	06:38:17.133	488AJ6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,950,279:04:0	
144	99	103	08:25:41.133	488AJ6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,950,385:24:0	
145	99	103	11:43:33.800	488AJ6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,950,580:88:0	
146	99	103	14:40:04.466	488AK6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,950,755:49:0	
147	99	103	14:52:31.133	488AK6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,950,767:77:0	
148	99	103	16:04:59.800	488AK6C	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	4,950,839:48:0	
149	99	103	16:08:30.466	176TC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,950,843:00:0	
150	99	103	16:34:29.800	20SY4I	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,950,868:64:0	
151	99	103	16:49:29.800	20SY4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	4,950,883:49:0	
152	99	103	17:01:29.800	20SY4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,950,895:37:0	
153	99	103	17:08:29.800	20SY4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	4,950,902:30:0	
154	99	103	17:20:29.800	20SY4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,950,914:18:0	
155	99	103	17:27:29.800	20SY4O	7SLEW	INIT,POS,4.36	Stator movement	4O0	4	0	4,950,921:11:0	
156	99	103	17:39:29.800	20SY4P	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,950,932:90:0	
157	99	103	17:46:29.800	20SY4Q	7SLEW	INIT,NEG,4.36	Stator movement	4O0	4	0	4,950,939:83:0	
158	99	103	17:58:29.800	20SY4R	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,950,951:71:0	
159	99	103	18:05:29.800	20SY4S	**7CONE**	**17.45,0.0**	Check S/P Position	4O0	4	0	4,950,958:64:0	
160	99	103	18:11:29.800	20SY4T	**7CONE**	**17.45,180.0**	Check S/P Position	4O0	4	0	4,950,964:58:0	
161	99	103	18:17:29.800	20SY4U	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,950,970:52:0	
162	99	103	18:26:29.800	20SY4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,950,979:43:0	
163	99	103	18:40:03.800	20SK4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,950,992:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	99	103	18:40:53.800	20SK4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,950,993:65:0	
165	99	103	18:42:11.800	176TD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,950,995:00:0	
166	99	103	18:43:59.800	488AK6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,950,996:71:0	
167	99	103	19:38:31.133	488AK6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,951,050:64:0	
168	99	103	20:30:49.800	488AL6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,951,102:40:0	
169	99	104	04:46:14.400	488AM6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,951,592:37:0	
170	99	104	04:57:40.400	488AM6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,951,603:65:0	
171	99	104	05:33:56.400	488AM6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,951,639:53:0	
172	99	104	16:50:51.733	488AN6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,952,309:06:0	
173	99	104	18:13:11.733	488AN6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,952,390:45:0	
174	99	104	19:00:29.733	488AN6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,952,437:25:0	
175	99	104	19:33:33.733	488AN6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,952,469:89:0	
176	99	104	20:25:51.733	488AN6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,952,521:64:0	
177	99	104	21:13:11.733	488AO6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,952,568:47:0	
178	99	104	22:00:29.733	488AO6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,952,615:27:0	
179	99	105	00:05:24.400	488AO6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,952,738:76:0	
180	99	105	01:13:40.400	488AO6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,952,806:32:0	
181	99	105	04:56:15.066	488AP6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,953,026:44:0	
182	99	105	04:57:40.400	488AP6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,953,027:81:0	
183	99	105	05:36:04.400	488AP6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,953,065:79:0	
184	99	105	20:15:53.666	488AQ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,953,936:02:0	
185	99	105	23:16:20.333	488AQ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,954,114:44:0	
186	99	106	01:58:28.333	488AQ6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,954,274:76:0	
187	99	106	02:52:59.000	488AR6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,954,328:68:0	
188	99	106	03:08:52.333	488AR6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,954,344:42:0	
189	99	106	06:36:56.333	488AR6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,954,550:22:0	
190	99	106	07:18:11.666	488AR6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,954,591:04:0	
191	99	106	09:05:36.333	488AS6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,954,697:25:0	
192	99	106	12:13:39.000	488AS6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,954,883:23:0	
193	99	106	13:21:56.333	488AS6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,954,950:72:0	
194	99	106	13:48:11.000	488AS6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,954,976:68:0	
195	99	106	15:16:20.333	488AT6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,955,063:85:0	
196	99	106	15:26:14.333	488AT6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,955,073:66:0	
197	99	106	15:53:00.333	488AT6C	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	4,955,100:18:0	
198	99	106	15:57:51.666	176TL6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,955,105:00:0	
199	99	106	16:06:00.333	20WF4C	7STAT	17.45,198.35,-3.	Stator inertial point	4O0	4	0	4,955,113:05:0	
200	99	106	16:25:02.333	490UD412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,955,131:80:0	
201	99	106	16:30:00.333	490UD412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,955,136:72:0	
202	99	106	16:30:20.333	20WF4D	7STAT	17.45,198.35,-3.	Stator inertial point	4O0	4	0	4,955,137:11:0	
203	99	106	16:34:10.333	490UD412A4E	7VECT		Inert vect update UTC	4O0	4	0	4,955,140:83:0	
204	99	106	16:34:14.333	490UD412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	4,955,140:89:0	
205	99	106	16:38:02.333	490UD412A406A4A	7STAR	11,701,278.81	Star catalog update	4O0	4	0	4,955,144:67:0	
206	99	106	16:38:04.333	490UD412A406A4B	7STAR	2,332,275.21	Star catalog update	4O0	4	0	4,955,144:70:0	
207	99	106	16:38:06.333	490UD412A406A4C	7STAR	3,350,120.46	Star catalog update	4O0	4	0	4,955,144:73:0	
208	99	106	16:38:08.333	490UD412A406A4D	7STAR	4,875,114.162,5.	Star catalog update	4O0	4	0	4,955,144:76:0	
209	99	106	16:38:10.333	490UD412A406A4E	7STAR	5,111,257.16	Star catalog update	4O0	4	0	4,955,144:79:0	
210	99	106	16:38:12.333	490UD412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	4,955,144:82:0	
211	99	106	16:48:06.333	20WF4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,955,154:63:0	
212	99	106	16:56:10.333	490UD412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,955,162:61:0	
213	99	106	16:58:44.333	488AT6D	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,955,165:19:0	
214	99	106	18:25:00.266	480UD6A	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1	4O0	4	0	4,955,250:48:0	
215	99	106	18:30:04.266	20UC4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,955,255:49:0	
216	99	106	18:30:54.266	20UC4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,955,256:33:0	
217	99	106	18:32:33.600	176TM6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,955,258:00:0	
218	99	106	18:43:40.266	480UD6B	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1	4O0	4	0	4,955,268:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
219	99	106	19:02:20.266	480UD6C	6MROH	7,6960,13,A10	read from AACSA7,6960,13,A1	4O0	4	0	4,955,287:41:0
220	99	106	19:03:40.933	488AT6E	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	4,955,288:71:0
221	99	106	19:21:00.266	488AU6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,955,305:83:0
222	99	106	20:16:56.933	488AU6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,955,361:22:0
223	99	106	20:33:10.933	488AU6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,955,377:27:0
224	99	106	22:25:34.933	488AU6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,955,488:42:0
225	99	107	04:23:42.266	488AV6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,955,842:59:0
226	99	107	09:05:34.266	488AV6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,956,121:38:0
227	99	107	14:38:42.933	488AW6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,956,450:82:0
228	99	107	20:01:58.933	488AW6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,956,770:56:0
229	99	107	20:10:44.266	488AW6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,956,779:25:0
230	99	107	23:16:20.266	488AX6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,956,962:76:0
231	99	108	01:43:32.200	488AX6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,957,108:38:0
232	99	108	02:00:16.866	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,957,124:89:0
233	99	108	02:04:04.866	20YC6A	6HICON			4O0	4	0	4,957,128:67:0
234	99	108	02:04:20.866	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	4,957,129:00:0
235	99	108	04:47:10.200	488AX6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,957,290:03:0
236	99	108	04:49:08.200	488AX6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,957,291:89:0
237	99	108	13:27:00.866	488AY6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,957,804:15:0
238	99	108	13:48:06.866	488AY6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,957,825:03:0
239	99	108	15:35:30.866	488AY6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,957,931:23:0
240	99	108	16:11:48.200	488AY6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,957,967:13:0
241	99	108	18:08:08.200	488AY6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,958,082:18:0
242	99	108	18:24:04.200	488AZ6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,958,097:87:0
243	99	108	22:20:30.200	488AZ6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,958,331:72:0
244	99	109	04:23:46.866	488BA6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,958,691:07:0
245	99	109	08:07:02.866	488BA6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,958,911:81:0
246	99	109	08:48:04.866	488BA6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,958,952:43:0
247	99	109	10:35:28.800	488BB6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,959,058:63:0
248	99	109	14:53:48.133	488BB6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,959,314:16:0
249	99	110	13:17:06.133	488BC6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,960,642:65:0
250	99	110	13:43:00.800	488BC6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,960,668:31:0
251	99	110	15:27:00.133	488BC6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,960,771:17:0
252	99	110	15:28:34.133	488BC6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,960,772:67:0
253	99	110	19:18:25.400	488BD6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,961,000:06:0
254	99	110	19:34:28.066	488BD6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,961,015:85:0
255	99	110	20:07:07.400	488BD6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,961,048:21:0
256	99	110	20:23:00.733	488BD6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,961,063:86:0
257	99	110	22:15:25.400	488BD6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,961,175:11:0
258	99	110	23:16:20.066	488BE6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,961,235:33:0
259	99	111	01:28:36.066	488BE6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,961,366:16:0
260	99	111	04:18:52.066	488BE6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,961,534:52:0
261	99	111	20:02:10.066	488BF6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,962,467:46:0
262	99	111	20:27:58.066	488BF6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,962,493:02:0
263	99	111	22:15:22.066	488BF6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,962,599:22:0
264	99	111	22:35:48.066	488BF6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,962,619:41:0
265	99	112	01:58:28.000	488BF6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,962,819:81:0
266	99	112	04:18:55.333	488BG6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,962,958:73:0
267	99	112	19:57:13.333	488BH6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,963,886:72:0
268	99	112	20:27:55.333	488BH6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,963,917:14:0
269	99	112	22:12:20.000	488BH6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,964,020:38:0
270	99	112	22:13:43.333	488BH6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,964,021:72:0
271	99	113	02:19:48.000	488BI6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,964,265:15:0
272	99	113	04:18:58.000	488BI6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,964,383:02:0
273	99	113	13:02:15.266	488BJ6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,964,900:51:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
274	99	113	13:32:51.933	488BJ6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,964,930:76:0
275	99	113	14:48:35.933	488BJ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,965,005:67:0
276	99	113	15:01:27.933	488BJ6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,965,018:42:0
277	99	113	18:12:47.933	488BJ6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,965,207:63:0
278	99	113	18:28:19.933	488BK6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,965,223:05:0
279	99	113	21:50:59.933	488BK6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,965,423:45:0
280	99	113	21:56:53.933	488BK6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,965,429:30:0
281	99	114	02:34:43.933	488BL6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,965,704:10:0
282	99	114	04:14:00.600	488BL6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,965,802:27:0
283	99	114	07:07:17.933	488BL6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,965,973:62:0
284	99	114	07:47:49.933	488BL6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,966,013:70:0
285	99	114	09:05:07.933	488BM6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,966,090:20:0
286	99	114	09:17:22.600	488BM6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,966,102:30:0
287	99	114	11:49:23.933	488BM6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,966,252:62:0
288	99	114	14:24:03.266	488BM6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,966,405:58:0
289	99	114	15:05:39.933	488BN6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,966,446:72:0
290	99	114	19:46:17.866	488BN6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,966,724:31:0
291	99	114	21:27:31.866	488BO6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,966,824:42:0
292	99	115	02:49:39.866	488BO6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,967,143:05:0
293	99	115	04:11:22.533	488BP6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,967,223:79:0
294	99	115	04:38:27.866	488BP6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,967,250:60:0
295	99	115	05:14:43.866	488BP6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,967,286:48:0
296	99	115	06:51:19.866	488BP6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,967,382:06:0
297	99	115	08:12:42.533	488BP6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,967,462:50:0
298	99	115	09:00:01.200	488BQ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,967,509:31:0
299	99	115	10:02:43.866	488BQ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,967,571:33:0
300	99	115	10:49:39.866	488BQ6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,967,617:71:0
301	99	115	12:14:02.533	488BQ6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,967,701:21:0
302	99	115	13:21:21.200	488BQ6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,967,767:73:0
303	99	115	13:42:41.200	488BR6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,967,788:82:0
304	99	115	14:25:07.866	488BR6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,967,830:80:0
305	99	115	14:31:25.200	488BR6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,967,837:09:0
306	99	115	19:13:07.866	488BR6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,968,115:65:0
307	99	115	19:36:35.866	488BR6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,968,138:84:0
308	99	115	20:06:27.866	488BS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,968,168:42:0
309	99	115	20:50:59.200	488BS6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,968,212:45:0
310	99	115	21:24:38.533	488BS6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,968,245:71:0
311	99	116	03:57:55.800	488BT6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,968,634:68:0
312	99	116	04:34:11.800	488BT6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,968,670:56:0
313	99	116	04:39:53.800	488BT6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,968,676:23:0
314	99	116	04:53:23.800	488BT6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,968,689:55:0
315	99	116	05:29:39.800	488BT6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,968,725:43:0
316	99	116	06:21:23.800	488BU6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,968,776:58:0
317	99	116	07:42:39.133	488BU6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,968,857:00:0
318	99	116	08:29:57.800	488BU6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,968,903:72:0
319	99	116	08:30:59.800	488BU6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,968,904:74:0
320	99	116	12:04:19.800	488BU6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,969,115:73:0
321	99	116	14:22:59.800	488BV6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,969,252:86:0
322	99	116	14:54:09.800	488BV6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,969,283:70:0
323	99	116	15:37:39.800	488BV6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,969,326:72:0
324	99	117	12:41:29.066	488BW6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,970,576:66:0
325	99	117	12:51:15.733	488BW6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,970,586:36:0
326	99	117	13:46:43.733	488BW6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,970,641:23:0
327	99	117	18:27:33.733	176WX6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,970,919:00:0
328	99	117	18:31:59.733	20UV4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,970,923:35:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	99	117	18:32:59.733	20UV4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	4,970,924:34:0	
330	99	117	18:34:59.733	20UV4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,970,926:32:0	
331	99	117	18:40:29.733	20UV4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	4,970,931:72:0	
332	99	117	18:40:30.400	20UV4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	4,970,931:73:0	
333	99	117	18:40:50.400	20UV4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	4,970,932:12:0	
334	99	117	18:40:51.066	20UV4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	4,970,932:13:0	
335	99	117	18:41:11.066	20UV4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,970,932:43:0	
336	99	117	18:41:11.733	20UV4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,970,932:44:0	
337	99	117	18:41:21.733	20UV4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,970,932:59:0	
338	99	117	18:41:22.400	20UV4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,970,932:60:0	
339	99	117	18:41:32.400	20UV4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	4,970,932:75:0	
340	99	117	18:41:33.066	20UV4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	4,970,932:76:0	
341	99	117	18:43:19.733	20UV4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	4,970,934:54:0	
342	99	117	18:43:20.400	20UV4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	4,970,934:55:0	
343	99	117	18:43:40.400	20UV4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	4,970,934:85:0	
344	99	117	18:43:41.066	20UV4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	4,970,934:86:0	
345	99	117	18:44:01.066	20UV4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,970,935:25:0	
346	99	117	18:44:01.733	20UV4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,970,935:26:0	
347	99	117	18:44:11.733	20UV4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,970,935:41:0	
348	99	117	18:44:12.400	20UV4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,970,935:42:0	
349	99	117	18:44:22.400	20UV4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	4,970,935:57:0	
350	99	117	18:44:23.066	20UV4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	4,970,935:58:0	
351	99	117	18:45:19.733	20UV4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,970,936:52:0	
352	99	117	19:10:03.733	20WX4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,970,961:03:0	
353	99	117	19:10:53.733	20WX4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,970,961:78:0	
354	99	117	19:12:03.066	176WY6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,970,963:00:0	
355	99	117	19:16:39.733	488BX6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,970,967:51:0	
356	99	117	19:23:47.733	488BX6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,970,974:56:0	
357	99	117	20:06:29.733	488BX6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,971,016:77:0	
358	99	117	20:32:33.066	488BX6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,971,042:56:0	
359	99	117	21:06:11.733	488BX6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,971,075:81:0	
360	99	117	21:14:51.733	488BY6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,971,084:42:0	
361	99	117	23:59:11.733	432MC431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,971,246:90:0	
362	99	117	23:59:12.400	432MC6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,971,247:00:0	
363	99	118	02:53:55.733	488BY6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,971,419:73:0	
364	99	118	04:00:03.733	488BZ6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,971,485:19:0	
365	99	118	04:09:17.066	488BZ6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,971,494:30:0	
366	99	118	12:32:33.733	488CA6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,971,992:07:0	
367	99	118	12:51:15.733	488CA6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,972,010:52:0	
368	99	118	13:41:45.066	488CA6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,972,060:46:0	
369	99	118	13:46:43.733	488CA6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,972,065:39:0	
370	99	118	14:20:48.400	488CA6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,972,099:12:0	
371	99	118	19:04:35.666	488CB6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,972,379:73:0	
372	99	118	19:30:11.666	488CB6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,972,405:11:0	
373	99	118	19:47:15.666	488CB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,972,422:00:0	
374	99	118	20:45:47.000	488CB6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,972,479:80:0	
375	99	118	21:19:26.333	488CB6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,972,513:15:0	
376	99	118	22:05:00.333	488CC6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	4,972,558:21:0	
377	99	118	22:08:49.000	176NV6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,972,562:00:0	
378	99	118	22:39:00.333	20SV4I	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,972,591:78:0	
379	99	118	22:54:00.333	20SV4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	4,972,606:63:0	
380	99	118	23:06:00.333	20SV4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,972,618:51:0	
381	99	118	23:13:00.333	20SV4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	4,972,625:44:0	
382	99	118	23:25:00.333	20SV4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,972,637:32:0	
383	99	118	23:37:00.333	20SV4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,972,649:20:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	99	118	23:53:04.333	20SU4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,972,665:10:0	
385	99	118	23:53:54.333	20SU4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,972,665:85:0	
386	99	118	23:54:59.000	176TE6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,972,667:00:0	
387	99	119	00:13:00.333	488CC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,972,684:75:0	
388	99	119	04:04:19.666	488CC6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,972,913:55:0	
389	99	119	04:29:55.666	488CD6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,972,938:84:0	
390	99	119	05:42:27.666	488CD6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,973,010:60:0	
391	99	119	06:12:26.333	488CD6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,973,040:28:0	
392	99	119	06:59:45.000	488CD6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,973,087:09:0	
393	99	119	07:12:03.666	488CD6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,973,099:25:0	
394	99	119	10:10:14.333	488CE6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,973,275:45:0	
395	99	119	10:19:47.666	488CE6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,973,284:86:0	
396	99	119	19:51:39.000	488CF6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,973,850:47:0	
397	99	119	20:42:43.666	488CF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,973,901:03:0	
398	99	119	20:48:38.333	488CF6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,973,906:80:0	
399	99	119	21:25:42.333	488CF6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,973,943:49:0	
400	99	120	00:00:00.333	481UC4A	7VECT		Inert vect update UTC	4O0	4	0	4,974,096:13:0	
401	99	120	03:04:35.600	488CG6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,974,278:64:0	
402	99	120	04:02:34.266	488CG6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,974,336:04:0	
403	99	120	04:04:19.600	488CG6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,974,337:71:0	
404	99	120	04:42:43.600	488CG6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,974,375:69:0	
405	99	120	12:46:41.600	488CH6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,974,854:37:0	
406	99	120	13:27:31.600	488CH6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,974,894:72:0	
407	99	120	13:43:34.266	488CH6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,974,910:60:0	
408	99	120	14:20:38.266	488CH6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,974,947:29:0	
409	99	120	17:26:27.600	488CH6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,975,131:09:0	
410	99	120	17:49:55.600	488CI6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,975,154:28:0	
411	99	120	19:00:19.600	488CI6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,975,223:85:0	
412	99	120	19:17:23.600	488CI6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,975,240:74:0	
413	99	120	19:36:35.600	488CI6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,975,259:73:0	
414	99	120	20:35:38.266	488CI6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,975,318:18:0	
415	99	120	21:09:17.600	488CJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,975,351:44:0	
416	99	121	04:04:19.600	488CK6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,975,761:87:0	
417	99	121	04:23:48.933	488CK6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,975,781:21:0	
418	99	121	04:29:55.600	488CK6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,975,787:25:0	
419	99	121	05:06:11.600	488CK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,975,823:13:0	
420	99	121	05:11:06.266	176SQ6A	6TMREC	**TPB**	TERMINATE PLAYBACK (PB CONTROL) Record Mo	4O0	4	0	4,975,828:00:0	
421	99	121	05:17:10.266	465BA6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	4,975,834:00:0	
422	99	121	05:17:10.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,975,834:00:0	
423	99	121	05:17:10.266		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,975,834:00:0	
424	99	121	05:17:10.266		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,975,834:00:0	
425	99	121	05:17:16.933		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,975,834:10:0	
426	99	121	05:17:18.333		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	4,975,834:12:1	
427	99	121	07:16:25.600	488CK6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,975,951:86:0	
428	99	121	10:58:19.000		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	4,976,171:36:2	
429	99	121	10:58:20.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	4,976,171:38:0	
430	99	121	11:10:51.533	465BB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,976,183:73:0	
431	99	121	11:10:51.533		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	4,976,183:73:0	
432	99	121	11:10:52.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	4,976,183:75:1	
433	99	121	11:10:58.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	4,976,183:83:0	
434	99	121	11:10:59.400		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	4,976,183:84:8	
435	99	121	11:11:03.266		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	4,976,183:90:6	
436	99	121	11:11:03.266		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	4,976,183:90:6	
437	99	121	11:36:43.533	465BB6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,976,209:35:0	
438	99	121	11:36:43.533		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	4,976,209:35:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	99	121	11:36:44.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	4,976,209:36:8	
440	99	121	12:12:51.533	488CL6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,976,245:11:0	
441	99	121	12:27:47.533	488CL6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,976,259:81:0	
442	99	121	13:06:11.533	488CL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,976,297:79:0	
443	99	121	13:40:35.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	4,976,331:81:0	
444	99	121	13:40:35.533		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	4,976,331:81:0	
445	99	121	13:40:35.533	465BC6A	6DTRN	CMD,6DTRN,465BC6	DMS TRACK TURNAROUND	4O0	4	0	4,976,331:81:0	
446	99	121	13:40:36.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	4,976,331:83:1	
447	99	121	13:40:42.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	4,976,332:00:0	
448	99	121	13:40:43.400		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	4,976,332:01:8	
449	99	121	13:40:44.800		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	4,976,332:03:9	
450	99	121	13:44:09.533	488CL6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	4,976,335:38:0	
451	99	121	13:44:45.466		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	4,976,336:00:9	
452	99	121	13:44:46.666		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	4,976,336:02:7	
453	99	121	13:44:46.666		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	4,976,336:02:7	
454	99	121	13:44:48.066		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	4,976,336:04:8	
455	99	121	13:45:00.066		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	4,976,336:22:8	
456	99	121	13:45:01.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	4,976,336:24:6	
457	99	121	13:50:38.200	465BD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,976,341:75:0	
458	99	121	13:50:38.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,976,341:75:0	
459	99	121	13:50:44.866		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,976,341:85:0	
460	99	121	13:50:48.733		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	4,976,341:90:8	
461	99	121	13:50:48.733		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	4,976,341:90:8	
462	99	121	14:22:32.200		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	4,976,373:34:0	
463	99	121	14:22:32.200	465BD6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	4,976,373:34:0	
464	99	121	14:22:33.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	4,976,373:35:8	
465	99	121	14:38:08.200		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	4,976,388:73:0	
466	99	121	14:38:08.200	465BE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,976,388:73:0	
467	99	121	14:38:09.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	4,976,388:75:1	
468	99	121	14:38:14.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	4,976,388:83:0	
469	99	121	14:38:16.066		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	4,976,388:84:8	
470	99	121	14:38:19.933		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	4,976,388:90:6	
471	99	121	14:38:19.933		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	4,976,388:90:6	
472	99	121	15:10:16.200	465BF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,976,420:53:0	
473	99	121	15:10:16.200		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	4,976,420:53:0	
474	99	121	15:10:17.400		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	4,976,420:54:8	
475	99	121	15:10:21.266		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	4,976,420:60:6	
476	99	121	15:10:21.266		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	4,976,420:60:6	
477	99	121	15:42:16.866		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	4,976,452:22:0	
478	99	121	15:42:16.866	465BF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,976,452:22:0	
479	99	121	15:42:18.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	4,976,452:23:8	
480	99	121	15:57:00.200		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	4,976,466:73:0	
481	99	121	15:57:00.200	465BG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,976,466:73:0	
482	99	121	15:57:01.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	4,976,466:75:1	
483	99	121	15:57:06.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	4,976,466:83:0	
484	99	121	15:57:08.066		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	4,976,466:84:8	
485	99	121	15:57:11.933		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	4,976,466:90:6	
486	99	121	15:57:11.933		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	4,976,466:90:6	
487	99	121	16:29:07.533		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	4,976,498:52:0	
488	99	121	16:29:07.533	465BH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,976,498:52:0	
489	99	121	16:29:08.733		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	4,976,498:53:8	
490	99	121	16:29:12.600		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	4,976,498:59:6	
491	99	121	16:29:12.600		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	4,976,498:59:6	
492	99	121	16:30:13.533	465BH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,976,499:60:0	
493	99	121	16:30:13.533		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	4,976,499:60:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	99	121	16:30:14.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	4,976,499:61:8	
495	99	121	16:30:59.533	488CL6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,976,500:38:0	
496	99	121	16:44:43.533		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	4,976,514:00:0	
497	99	121	16:44:43.533	465BI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,976,514:00:0	
498	99	121	16:45:37.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	4,976,514:81:0	
499	99	121	16:45:37.533		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	4,976,514:81:0	
500	99	121	16:45:37.533	465BJ6A	6DTRN	CMD,6DTRN,465BJ6	DMS TRACK TURNAROUND	4O0	4	0	4,976,514:81:0	
501	99	121	16:45:38.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	4,976,514:83:1	
502	99	121	16:45:44.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	4,976,515:00:0	
503	99	121	16:45:45.400		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	4,976,515:01:8	
504	99	121	16:45:46.800		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	4,976,515:03:9	
505	99	121	16:57:12.600		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	4,976,526:31:6	
506	99	121	16:57:13.800		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	4,976,526:33:4	
507	99	121	16:57:13.800		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	4,976,526:33:4	
508	99	121	16:57:15.200		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	4,976,526:35:5	
509	99	121	16:57:27.200		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	4,976,526:53:5	
510	99	121	16:57:28.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	4,976,526:55:3	
511	99	121	19:00:19.533	488CM6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,976,648:10:0	
512	99	121	19:57:55.533	488CM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,976,705:07:0	
513	99	121	20:28:27.533	488CM6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,976,735:25:0	
514	99	121	21:05:31.533	488CM6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,976,771:85:0	
515	99	122	03:38:43.533	488CN6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,977,160:74:0	
516	99	122	03:59:08.200	465SA6A	6DMST	3700	DMS Slew to TIC	4O0	4	0	4,977,181:00:0	
517	99	122	03:59:08.200		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,977,181:00:0	
518	99	122	03:59:08.200		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,977,181:00:0	
519	99	122	03:59:08.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,977,181:00:0	
520	99	122	03:59:14.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,977,181:10:0	
521	99	122	03:59:16.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	4,977,181:12:1	
522	99	122	04:19:33.533	488CN6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,977,201:18:0	
523	99	122	04:51:51.533	488CN6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,977,233:13:0	
524	99	122	05:53:07.533	488CN6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,977,293:67:0	
525	99	122	05:58:25.533	488CN6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,977,298:89:0	
526	99	122	06:45:29.533	488CO6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,977,345:48:0	
527	99	122	08:07:50.333		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *3697.94 +/-	4O0	4	0	4,977,426:88:2	
528	99	122	08:07:51.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3698.00 +/-	4O0	4	0	4,977,426:90:0	
529	99	122	10:00:00.200	481UB4A	7VECT	BB2	Inert vect update UTC	4O0	4	0	4,977,537:82:0	
530	99	122	11:23:00.200	488CO6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	4,977,619:90:0	
531	99	122	12:00:03.533	488CO6C	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	4,977,656:58:0	
532	99	122	12:46:59.533	488CP6A	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	4,977,703:05:0	
533	99	122	13:28:23.533	488CP6B	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	4O0	4	0	4,977,744:00:0	
534	99	122	14:10:27.533	488CP6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	4,977,785:55:0	
535	99	122	15:07:47.533	488CP6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	4,977,842:28:0	
536	99	122	16:31:00.133	488CP6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,977,924:55:0	
537	99	122	16:35:00.133	41AC99A	**POWER**	**PWR MODE change**	Change to Data Taking Mode	4O0	4	0	4,977,928:51:0	
538	**99**	**122**	**16:35:04.133**	**41AC3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,928:57:0**	
539	**99**	**122**	**16:35:14.133**	**41AC3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,928:72:0**	
540	**99**	**122**	**16:35:24.133**	**41AC3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,977,928:87:0**	
541	**99**	**122**	**16:35:34.133**	**41AC3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,977,929:11:0**	
542	**99**	**122**	**17:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,977,953:25:8**	
543	**99**	**122**	**17:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**4,977,953:25:8**	
544	**99**	**122**	**17:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**4,977,953:25:8**	
545	**99**	**122**	**17:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,953:25:8**	
546	**99**	**122**	**17:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,953:25:8**	
547	**99**	**122**	**17:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,953:25:8**	
548	**99**	**122**	**17:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,953:25:8**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	**99**	**122**	**17:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,953:25:8**	
550	**99**	**122**	**17:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,953:25:8**	
551	99	122	17:00:00.133		DMS:	: READY	RDY, TRACK 1, FWD, TIC 3698.00 +/-	4O0	4	0	4,977,953:26:0	

19JNJUPRTS01

OAPEL:	19JNJUPRTS01	ALIAS:	19JNJUPRTS01
EXT:	R	PSID:	LA
SCLK1:	04847531:00:0	SCLK2:	04847540:12:0
SCET1:	1999-031/03:08:39.400	SCET2:	1999-031/03:17:53.400
TARGET:	JUPITER	PARTITION:	1

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

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

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

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

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

19JNJUPRTS02

OAPEL:	19JNJUPRTS02	ALIAS:	19JNJUPRTS02
EXT:	R	PSID:	DC
SCLK1:	04847557:00:0	SCLK2:	04847561:12:0
SCET1:	1999-031/03:34:56.733	SCET2:	1999-031/03:39:07.400
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	11001	MB_UP:	10011
COMP_FLAG:	0		
EST_COMP:	0.0	EST_COMPV:	0.0
RATE_CON1:	00000	RATE_CON2:	00000
NWAVETOT:	204	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: 0303204000 03 03 204 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000FF	0,0000,0000,1111,1111
1	000FF	0,0000,0000,1111,1111
2	000FF	0,0000,0000,1111,1111
3	000FF	0,0000,0000,1111,1111
4	000FF	0,0000,0000,1111,1111
5	000FF	0,0000,0000,1111,1111
6	000FF	0,0000,0000,1111,1111
7	000FF	0,0000,0000,1111,1111
8	000FF	0,0000,0000,1111,1111
9	000FF	0,0000,0000,1111,1111
10	000FF	0,0000,0000,1111,1111
11	000FF	0,0000,0000,1111,1111
12	001FF	0,0000,0001,1111,1111
13	001FF	0,0000,0001,1111,1111
14	001FF	0,0000,0001,1111,1111
15	001FF	0,0000,0001,1111,1111
16	001FF	0,0000,0001,1111,1111
17	001FF	0,0000,0001,1111,1111
18	001FF	0,0000,0001,1111,1111
19	001FF	0,0000,0001,1111,1111
20	001FF	0,0000,0001,1111,1111
21	001FF	0,0000,0001,1111,1111
22	001FF	0,0000,0001,1111,1111
23	001FF	0,0000,0001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

19JNJUPRTS02

OAPEL:	19JNJUPRTS02	ALIAS:	19JNJUPRTS02
EXT:	S	PSID:	DC
SCLK1:	04847564:00:0	SCLK2:	04847568:12:0
SCET1:	1999-031/03:42:01.400	SCET2:	1999-031/03:46:12.066
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	11001	MB_UP:	10011
COMP_FLAG:	0		
EST_COMP:	0.0	EST_COMPV:	0.0
RATE_CON1:	00000	RATE_CON2:	00000
NWAVETOT:	204	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: 0303204000 03 03 204 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000FF	0,0000,0000,1111,1111
1	000FF	0,0000,0000,1111,1111
2	000FF	0,0000,0000,1111,1111
3	000FF	0,0000,0000,1111,1111
4	000FF	0,0000,0000,1111,1111
5	000FF	0,0000,0000,1111,1111
6	000FF	0,0000,0000,1111,1111
7	000FF	0,0000,0000,1111,1111
8	000FF	0,0000,0000,1111,1111
9	000FF	0,0000,0000,1111,1111
10	000FF	0,0000,0000,1111,1111
11	000FF	0,0000,0000,1111,1111
12	001FF	0,0000,0001,1111,1111
13	001FF	0,0000,0001,1111,1111
14	001FF	0,0000,0001,1111,1111
15	001FF	0,0000,0001,1111,1111
16	001FF	0,0000,0001,1111,1111
17	001FF	0,0000,0001,1111,1111
18	001FF	0,0000,0001,1111,1111
19	001FF	0,0000,0001,1111,1111
20	001FF	0,0000,0001,1111,1111
21	001FF	0,0000,0001,1111,1111
22	001FF	0,0000,0001,1111,1111
23	001FF	0,0000,0001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

19JNHOTMAP01

OAPEL:	19JNHOTMAP01	ALIAS:	19JNHOTMAP01
EXT:	A	PSID:	DB
SCLK1:	04848153:00:0	SCLK2:	04848162:55:0
SCET1:	99-031/13:37:34.066	SCET2:	99-031/13:47:17.400
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	100	TLMFMT:	LPU

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

WETGID: 0326100001 03 26 100 001
WTGRP_SIZ: 26

EDIT TABLE

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

19JNJUPNTB01

OAPEL:	19JNJUPNTB01	ALIAS:	19JNJUPNTB01
EXT:	A	PSID:	DM
SCLK1:	04848164:00:0	SCLK2:	04848174:01:0
SCET1:	99-031/13:48:41.400	SCET2:	99-031/13:58:48.733
TARGET:	JUPITER	PARTITION:	1
MODE:	3	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	100	TLMFMT:	LPU

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

WETGID: 0326100001 03 26 100 001
WTGRP_SIZ: 26

EDIT TABLE

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

19JNHOTMAP02

OAPEL:	19JNHOTMAP02	ALIAS:	19JNHOTMAP02
EXT:	A	PSID:	DD
SCLK1:	04848181:00:0	SCLK2:	04848190:55:0
SCET1:	99-031/14:05:52.733	SCET2:	99-031/14:15:36.066
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	100	TLMFMT:	LPU

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

WETGID: 0326100001 03 26 100 001
WTGRP_SIZ: 26

EDIT TABLE

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

19JNJUPNTB02

OAPEL:	19JNJUPNTB02	ALIAS:	19JNJUPNTB02
EXT:	A	PSID:	DN
SCLK1:	04848192:00:0	SCLK2:	04848211:86:0
SCET1:	99-031/14:17:00.066	SCET2:	99-031/14:37:10.066
TARGET:	JUPITER	PARTITION:	1
MODE:	3	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	100	TLMFMT:	LPU

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

WETGID: 0326100001 03 26 100 001
WTGRP_SIZ: 26

EDIT TABLE

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

19JNHOTMAP03

OAPEL:	19JNHOTMAP03	ALIAS:	19JNHOTMAP03
EXT:	A	PSID:	DE
SCLK1:	04848265:00:0	SCLK2:	04848274:55:0
SCET1:	99-031/15:30:48.733	SCET2:	99-031/15:40:32.066
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	253	TLMFMT:	LPU

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

WETGID: 0326253001 03 26 253 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	11DC3	1,0001,1101,1100,0011
1	11DC3	1,0001,1101,1100,0011
2	11DC3	1,0001,1101,1100,0011
3	19DC3	1,1001,1101,1100,0011
4	1BDC3	1,1011,1101,1100,0011
5	1BDC3	1,1011,1101,1100,0011
6	1BDC7	1,1011,1101,1100,0111
7	1BDC7	1,1011,1101,1100,0111
8	1BD87	1,1011,1101,1000,0111
9	1BDC7	1,1011,1101,1100,0111
10	0BDC7	0,1011,1101,1100,0111
11	0BDC7	0,1011,1101,1100,0111
12	0BDC7	0,1011,1101,1100,0111
13	0BDC7	0,1011,1101,1100,0111
14	0BDC7	0,1011,1101,1100,0111
15	0BDC7	0,1011,1101,1100,0111
16	1BD87	1,1011,1101,1000,0111
17	1BD87	1,1011,1101,1000,0111
18	1BD07	1,1011,1101,0000,0111
19	1BD07	1,1011,1101,0000,0111
20	13D87	1,0011,1101,1000,0111
21	13D87	1,0011,1101,1000,0111
22	13D87	1,0011,1101,1000,0111
23	13987	1,0011,1001,1000,0111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

19JNJUPNTB03

OAPEL:	19JNJUPNTB03	ALIAS:	19JNJUPNTB03
EXT:	A	PSID:	DO
SCLK1:	04848277:90:0	SCLK2:	04848295:85:0
SCET1:	99-031/15:43:56.733	SCET2:	99-031/16:02:06.066
TARGET:	JUPITER	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	253	TLMFMT:	LPU

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

WETGID: 0326253001 03 26 253 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	11DC3	1,0001,1101,1100,0011
1	11DC3	1,0001,1101,1100,0011
2	11DC3	1,0001,1101,1100,0011
3	19DC3	1,1001,1101,1100,0011
4	1BDC3	1,1011,1101,1100,0011
5	1BDC3	1,1011,1101,1100,0011
6	1BDC7	1,1011,1101,1100,0111
7	1BDC7	1,1011,1101,1100,0111
8	1BD87	1,1011,1101,1000,0111
9	1BDC7	1,1011,1101,1100,0111
10	0BDC7	0,1011,1101,1100,0111
11	0BDC7	0,1011,1101,1100,0111
12	0BDC7	0,1011,1101,1100,0111
13	0BDC7	0,1011,1101,1100,0111
14	0BDC7	0,1011,1101,1100,0111
15	0BDC7	0,1011,1101,1100,0111
16	1BD87	1,1011,1101,1000,0111
17	1BD87	1,1011,1101,1000,0111
18	1BD07	1,1011,1101,0000,0111
19	1BD07	1,1011,1101,0000,0111
20	13D87	1,0011,1101,1000,0111
21	13D87	1,0011,1101,1000,0111
22	13D87	1,0011,1101,1000,0111
23	13987	1,0011,1001,1000,0111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

19ENHEXICE02

OAPEL: 19ENHEXICE02	ALIAS: 19ENHEXICE02
EXT: A	PSID: DF
SCLK1: 04848911:00:0	SCLK2: 04848921:77:0
SCET1: 99-032/02:24:00.066	SCET2: 99-032/02:34:58.066
TARGET: CAL	PARTITION: 1
MODE: 7	GAIN: 4
CHOP: 1	GRAT_OFF: 4
PTAB_A: 1 1 0 0 012	PTAB_B: 1 1 0 0 012
ECAL: 0	OPCAL: 0
R/T: 0	RECORD: 1
MB_DOWN: 00000	MB_UP: 00000
COMP_FLAG: 1	
EST_COMP: 2.0	EST_COMPV: 0.3
RATE_CON1: 00000	RATE_CON2: 65525
NWAVETOT: 15	TLMFMT: MPW

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

WETGID: 0713015001 07 13 015 001
WTGRP_SIZ: 13

EDIT TABLE

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

19ENHEXICE03

OAPEL:	19ENHEXICE03	ALIAS:	19ENHEXICE03
EXT:	A	PSID:	DG
SCLK1:	04848931:06:0	SCLK2:	04848934:06:0
SCET1:	99-032/02:44:16.733	SCET2:	99-032/02:47:18.733
TARGET:	EUROPA	PARTITION:	1
MODE:	7	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 012	PTAB_B:	1 1 0 0 012
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	15	TLMFMT:	MPW

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

WETGID: 0713015001 07 13 015 001
WTGRP_SIZ: 13

EDIT TABLE

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

19ENHEXICE03

OAPEL:	19ENHEXICE03	ALIAS:	19ENHEXICE03
EXT:	B	PSID:	DG
SCLK1:	04848938:19:0	SCLK2:	04848940:20:0
SCET1:	99-032/02:51:30.333	SCET2:	99-032/02:53:32.333
TARGET:	EUROPA	PARTITION:	1

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

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

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

WETGID: 0713015001 07 13 015 001
WTGRP_SIZ: 13

EDIT TABLE

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

19ENHEXICE03

OAPEL:	19ENHEXICE03	ALIAS:	19ENHEXICE03
EXT:	C	PSID:	DG
SCLK1:	04848947:77:0	SCLK2:	04848948:80:0
SCET1:	99-032/03:01:15.333	SCET2:	99-032/03:02:18.000
TARGET:	EUROPA	PARTITION:	1

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

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

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

WETGID: 0713015001 07 13 015 001
WTGRP_SIZ: 13

EDIT TABLE

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

19NNPCTRLT01

OAPEL:	19NNPCTRLT01	ALIAS:	LSNNPCTRLT01
EXT:	R	PSID:	FB
SCLK1:	04905705:00:0	SCLK2:	04905706:12:0
SCET1:	1999-071/23:29:00.066	SCET2:	1999-071/23:30:08.733
TARGET:	CAL	PARTITION:	1

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

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

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

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

19NNPCTRLT01

OAPEL: 19NNPCTRLT01
ALIAS: LSNNPCTRLT01
EXT: S
PSID: FB
SCLK1: 04905711:00:0
SCLK2: 04905720:12:0
SCET1: 1999-071/23:35:04.066
SCET2: 1999-071/23:44:18.066
TARGET: CAL
PARTITION: 1

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

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

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

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

19NNRCTRLT01

```
OAPEL:  19NNRCTRLT01              ALIAS:  LSNNRCTRTA01
EXT:    R                         PSID:   XU
SCLK1:  04911467:00:0             SCLK2:  04911467:12:0
SCET1:  1999-076/00:35:01.200     SCET2:  1999-076/00:35:09.200
TARGET: CAL                       PARTITION: 1

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

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

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

WETGID:     0303252000           03  03  252  000
WTGRP_SIZ:  3
```

EDIT TABLE

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

19NNRCTRLT01

```
OAPEL:  19NNRCTRLT01              ALIAS:  LSNNRCTRTA01
EXT:    S                         PSID:   XU
SCLK1:  04911473:00:0             SCLK2:  04911474:12:0
SCET1:  1999-076/00:41:05.200     SCET2:  1999-076/00:42:13.866
TARGET: CAL                       PARTITION: 1

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

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

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

WETGID:    0303252000            03  03  252  000
WTGRP_SIZ:  3
```

EDIT TABLE

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

19NNRCTRLT01

OAPEL:	19NNRCTRLT01	ALIAS:	LSNNRCTRTA01
EXT:	T	PSID:	XU
SCLK1:	04911479:00:0	SCLK2:	04911479:12:0
SCET1:	1999-076/00:47:09.200	SCET2:	1999-076/00:47:17.200
TARGET:	CAL	PARTITION:	1

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

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

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

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

19NNOPCAL_01

OAPEL:	19NNOPCAL_01	ALIAS:	LSNNOPCAL_01
EXT:	R	PSID:	DC
SCLK1:	04911483:00:0	SCLK2:	04911485:12:0
SCET1:	1999-076/00:51:11.866	SCET2:	1999-076/00:53:21.200
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:	1
R/T:	1	RECORD:	0

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

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

WETGID: 0302048000 03 02 048 000
WTGRP_SIZ: 2

EDIT TABLE

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

NIMS E19 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS E19 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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```

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------------------------------------------------------------------------------------------------------------------------------------
# WETGID       10 319 - 328     .Wavelength selection group ID (unique)         PBK: WET_GID    (realtime <tbd>)
                                  Rule of formation: mmeelllnnn where
                                   mm  = instrument mode (0-15)
                                   ee  = # entries in group
                                   lll = number of wavelengths selected
                                   nnn = sequence number
* WETGRPSIZ     2 329 - 330     .# Wavelength Edit entries (1-26)               PBK: ED_GRP_LEN (realtime SEF: 37ETB <tbd>)
* WETGRP      182 331 - 512     .Wavelength Edit Table group:  WETGRPSIZ        PBK: ED_GRP     (realtime SEF: 37ETB data bytes 2..)
                                  entries, each one has 7 characters.  The
                                  first 2 characters are the repeat count
                                  (01-26).  The other 5 characters contain
                                  5 hex digits, representing the detector
                                  mask in the form BHHHH where B is 0 or 1
                                  and H has range 0-15.  (These entries are
                                  from the 37ETB instrument edit group for
                                  realtime data and from the logical AND of
                                  corresponding entries in the instrument
                                  and playback edit groups for playback data.)
--------------------------------
.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 ).
------------------------------------------------------------------------------------------------------------------------------------
```

```
--------------------------------------------------------------------------------------------------------------------------------
19JNJUPRTS0119JNJUPRTS01RLA04847531:00:004847540:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1999-031/03:08:39.4001999-031/03:17:53.400
           0000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

19JNJUPRTS0219JNJUPRTS02RDC04847557:00:004847561:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1100110011 0 0.00.0000
0000000                 204RT 1999-031/03:34:56.7331999-031/03:39:07.400
           0000000000000000000000000000000000000000000000000000303204000 312000FF12001FF0200000

19JNJUPRTS0219JNJUPRTS02SDC04847564:00:004847568:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1100110011 0 0.00.0000
0000000                 204RT 1999-031/03:42:01.4001999-031/03:46:12.066
           0000000000000000000000000000000000000000000000000000303204000 312000FF12001FF0200000

19JNHOTMAP0119JNHOTMAP01ADB04848153:00:004848162:55:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        100LPU  99-031/13:37:34.066  99-031/13:47:17.400
           000000000000000000000000000000000000000000000000000032610000126010000F010000F010000F010000F010000F010000F010000F01000
0F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010001F010001F010001F010001F0100000100000
19JNJUPNTB0119JNJUPNTB01ADM04848164:00:004848174:01:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        100LPU  99-031/13:48:41.400  99-031/13:58:48.733
           000000000000000000000000000000000000000000000000000032610000126010000F010000F010000F010000F010000F010000F010000F01000
0F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010001F010001F010001F010001F0100000100000
19JNHOTMAP0219JNHOTMAP02ADD04848181:00:004848190:55:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        100LPU  99-031/14:05:52.733  99-031/14:15:36.066
           000000000000000000000000000000000000000000000000000032610000126010000F010000F010000F010000F010000F010000F010000F01000
0F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010001F010001F010001F010001F0100000100000
19JNJUPNTB0219JNJUPNTB02ADN04848192:00:004848211:86:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        100LPU  99-031/14:17:00.066  99-031/14:37:10.066
           000000000000000000000000000000000000000000000000000032610000126010000F010000F010000F010000F010000F010000F010000F01000
0F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010001F010001F010001F010001F0100000100000
19JNHOTMAP0319JNHOTMAP03ADE04848265:00:004848274:55:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        253LPU  99-031/15:30:48.733  99-031/15:40:32.066
           0000000000000000000000000000000000000000000000000000326253001260111DC30111DC30111DC30119DC3011BDC3011BDC3011BDC7011BD
C7011BD87011BDC7010BDC7010BDC7010BDC7010BDC7010BDC7010BDC7011BD87011BD87011BD07011BD070113D870113D870113D8701139870100000100000
19JNJUPNTB0319JNJUPNTB03ADO04848277:90:004848295:85:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        253LPU  99-031/15:43:56.733  99-031/16:02:06.066
           0000000000000000000000000000000000000000000000000000326253001260111DC30111DC30111DC30119DC3011BDC3011BDC3011BDC7011BD
C7011BD87011BDC7010BDC7010BDC7010BDC7010BDC7010BDC7010BDC7011BD87011BD87011BD07011BD070113D870113D870113D8701139870100000100000
19ENHEXICE0219ENHEXICE02ADF04848911:00:004848921:77:01         CAL      7414 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525        1         15MPW  99-032/02:24:00.066  99-032/02:34:58.066
           000000000000000000000000000000000000000000000000000071301500113011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF0100000
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19ENHEXICE0319ENHEXICE03ADG04848931:06:004848934:06:01         EUROPA   7414 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525        1         15MPW  99-032/02:44:16.733  99-032/02:47:18.733
           000000000000000000000000000000000000000000000000000071301500113011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF0100000
19ENHEXICE0319ENHEXICE03BDG04848938:19:004848940:20:01         EUROPA   7414 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525        2         15MPW  99-032/02:51:30.333  99-032/02:53:32.333
           000000000000000000000000000000000000000000000000000071301500113011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF0100000
19ENHEXICE0319ENHEXICE03CDG04848947:77:004848948:80:01         EUROPA   7414 1 1 0 0 012 1 1 0 0 01200010 0000000000 1 2.00.3000
0065525        2         15MPW  99-032/03:01:15.333  99-032/03:02:18.000
           000000000000000000000000000000000000000000000000000071301500113011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF0100000
19NNPCTRLT01LSNNPCTRLT01RFB04905705:00:004905706:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1999-071/23:29:00.0661999-071/23:30:08.733
           0000000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

19NNPCTRLT01LSNNPCTRLT01SFB04905711:00:004905720:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1999-071/23:35:04.0661999-071/23:44:18.066
           0000000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

19NNRCTRLT01LSNNRCTRTA01RXU04911467:00:004911467:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1999-076/00:35:01.2001999-076/00:35:09.200
           0000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

19NNRCTRLT01LSNNRCTRTA01SXU04911473:00:004911474:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1999-076/00:41:05.2001999-076/00:42:13.866
           0000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

19NNRCTRLT01LSNNRCTRTA01TXU04911479:00:004911479:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1999-076/00:47:09.2001999-076/00:47:17.200
           0000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

19NNOPCAL_01LSNNOPCAL_01RDC04911483:00:004911485:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12401100 1101111011 0 0.00.0000
0000000                 048RT 1999-076/00:51:11.8661999-076/00:53:21.200
           0000000000000000000000000000000000000000000000000000302048000 224180000200000

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