Chapter 4 - NIMS Observation Summaries

Contents

Introduction to Chapter 4

This chapter summarizes the NIMS E17 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 E17 Sequence. The information in this summary is derived from the E17 SEFs (Spacecraft Event File) and PBTs (Playback Tables) with inputs from the NIMS Science Coordinators regarding the start time and duration of the NIMS observations. There are twelve columns of information in this table:

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

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

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

The NIMS Obstab (Observation Table) is a time-ordered listing of the NIMS obsrvation parameters for use by downlink data processing of the NIMS E17 data. It is also derived from the E17 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

Sequence: E17A-AR Created: 10/26/98 Begin: 98-268/04:00:00 Finish: 98-271/02:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1	98	268	04:00:00.000	20A3EW	37A	Initial Condition	NIMS Power ON	4O0	4	0	4,665,287:13:9	
2	98	268	04:00:00.000	20A3FA	37F1PR	Initial Condition	Radiator Flash Heater OFF (primary relay)	4O0	4	0	4,665,287:13:9	
3	98	268	04:00:00.000	20A3FD	40HRPR	Initial Condition	RCT Heater OFF (primary relay)	4O0	4	0	4,665,287:13:9	
4	98	268	04:00:00.000	20A3FE	40T1P	Initial Condition	PCT Heater 1 ON (primary relay)	4O0	4	0	4,665,287:13:9	
5	98	268	04:00:00.000	20A3FF	40T2	Initial Condition	PCT Heater 2 ON	4O0	4	0	4,665,287:13:9	
6	98	268	04:00:00.000	20A3EX	37HR	Initial Condition	Replacement Heaters OFF	4O0	4	0	4,665,287:13:9	
7	98	268	04:00:00.000	20A3EY	37C1PR	Initial Condition	Optics Heater 1 OFF (primary relay)	4O0	4	0	4,665,287:13:9	
8	98	268	04:00:00.000	20A3FB	37F2PR	Initial Condition	Shield Flash Heater OFF (primary relay)	4O0	4	0	4,665,287:13:9	
9	98	268	04:00:00.000	20A3EZ	37C2PR	Initial Condition	Optics Heater 2 OFF (primary relay)	4O0	4	0	4,665,287:13:9	
10	98	268	04:00:00.066		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,665,287:14:0	
11	98	268	04:00:15.400	488AA6A	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	4O0	4	0	4,665,287:37:0	
12	98	268	04:01:00.066	20OA6A	6HICON			4O0	4	0	4,665,288:13:0	
13	98	268	04:01:00.733	41AA99A	POWER	PWR MODE change	Change to Data Taking Mode	4O0	4	0	4,665,288:14:0	
14	98	268	04:01:04.733	41AA3A	40T1PR	1	PCT Heater 1 OFF (primary relay)	4O0	4	0	4,665,288:20:0	
15	98	268	04:01:14.733	41AA3B	40T1PR	2	PCT Heater 1 OFF (primary relay)	4O0	4	0	4,665,288:35:0	
16	98	268	04:01:24.733	41AA3C	40T2R	1	PCT Heater 2 OFF	4O0	4	0	4,665,288:50:0	
17	98	268	04:01:34.733	41AA3D	40T2R	2	PCT Heater 2 OFF	4O0	4	0	4,665,288:65:0	
18	98	268	04:01:50.733	432JA6B	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4O0	4	0	4,665,288:89:0	
19	98	268	04:01:51.400	432JA431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,665,288:90:0	
20	98	268	04:01:52.066	432JA6C	6RTSL1		R/T Select of DDS and	4O0	4	0	4,665,289:00:0	
21	98	268	04:01:52.066	432JA6D	6RTSL2	NIMNCG,AACSEL,RT	AACS SELECT	4O0	4	0	4,665,289:00:0	
22	98	268	04:15:00.733	282NC432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,665,302:00:0	
23	98	268	04:15:01.400	282NC432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,665,302:01:0	
24	98	268	04:27:18.066	444UA443A4B	7MODE	INT	AACS INERTIAL MODE	4O0	4	0	4,665,314:14:0	
25	98	268	04:29:10.066	465KA6A	6DMST	2050	DMS Slew to TIC	4O0	4	0	4,665,316:00:0	
26	98	268	04:29:10.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,665,316:00:0	
27	98	268	04:29:10.066		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,665,316:00:0	
28	98	268	04:29:10.066		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,665,316:00:0	
29	98	268	04:29:16.733		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,665,316:10:0	
30	98	268	04:29:18.133		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	4,665,316:12:1	
31	98	268	04:45:20.066	165AA4A	7SCAN	NORM,248.952999,	Check S/P Position	4O0	4	0	4,665,331:90:0	
32	98	268	04:55:26.066	165AA4B	7VECT		Inert vect update UTC	4O0	4	0	4,665,341:89:0	
33	98	268	06:13:16.066	176DA6A	6TMREC	NRC	NO RECORD Record Mode Change	4O0	4	0	4,665,418:87:0	
34	98	268	06:17:55.335	17NNJUPRTS01-		-----START------		260	4	0	: :	
35	98	268	06:26:45.400	20DA5A	37PL		Program Load (halts microprocessor & unwri	260	4	0	4,665,432:27:0	
36	98	268	06:26:46.733	20DA5B	37MRL		Memory Realocate (software operates from R	260	4	0	4,665,432:29:0	
37	98	268	06:26:48.066	20DA6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	260	4	0	4,665,432:31:0	
38	98	268	06:26:58.066	20DA6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	260	4	0	4,665,432:46:0	
39	98	268	06:27:08.066	20DA5C	37IRT		Instrument Reset (goes into POR state)	260	4	0	4,665,432:61:0	
40	98	268	06:27:28.066	20DA5D	37MN		Memory Normal (software operates from ROM)	260	4	0	4,665,433:00:0	
41	98	268	06:27:43.400	20DA4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	4,665,433:23:0	
42	98	268	06:28:02.002	17NNJUPRTS01-		-----STOP-------		2R0	4	0	: :	
43	98	268	06:28:02.002	17JNJUPRTS01*		-----START------		2R0	4	0	: :	
44	98	268	06:29:24.733	125DA4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	4,665,434:84:0	
45	98	268	06:29:24.733	125DA	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,665,434:84:0	
46	98	268	06:29:28.733	165DA4A	7SCAN	NORM,251.320999,	Check S/P Position	2R0	4	0	4,665,434:90:0	
47	98	268	06:30:25.400	125DA4B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	4,665,435:84:0	
48	98	268	06:30:25.400	125DA11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,665,435:84:0	
49	98	268	06:32:26.733	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	4,665,437:84:0	
50	98	268	06:32:26.733	127DA4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	4,665,437:84:0	
51	98	268	06:32:27.400	127DA4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	4,665,437:85:0	
52	98	268	06:32:35.400	432DA6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	4,665,438:06:0	
53	98	268	06:32:35.400	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,665,438:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
54	98	268	06:33:22.733	117DA	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	4,665,438:77:0
55	98	268	06:33:30.733	165DA4B	7VECT		Inert vect update UTC	2R3	4	0	4,665,438:89:0
56	98	268	06:33:32.066	117DA105A106A4A	7STRP	-0.011501,0.0,0,	Slew =,0.06	2R3	4	0	4,665,439:00:0
57	98	268	06:36:46.066	117DA105A106A4B	7STRP	0.013001,-0.008,	Slew =12.01	2R3	4	0	4,665,442:18:0
58	98	268	06:36:54.066	117DA105A106A4C	7STRP	-0.011501,0.0,0,	Slew =,0.06	2R3	4	0	4,665,442:30:0
59	98	268	06:40:08.066	117DA105A106A4D	7STRP	0.013001,-0.008,	Slew =12.01	2R3	4	0	4,665,445:48:0
60	98	268	06:40:16.066	117DA105A106A4E	7STRP	-0.011501,0.0,0,	Slew =,0.06	2R3	4	0	4,665,445:60:0
61	98	268	06:40:32.200		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *2047.94 +/-	2R3	4	0	4,665,445:84:2
62	98	268	06:40:33.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2048.00 +/-	2R3	4	0	4,665,445:86:0
63	98	268	06:42:11.335	17JNJUPRTS01*		-----STOP-------		2R3	4	0	: :
64	98	268	06:42:40.733	432DZ6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	4,665,448:04:0
65	98	268	06:43:30.066	117DA11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	4,665,448:78:0
66	98	268	06:44:12.847	17NNEUR20H01-		-----START------		2R3	4	0	: :
67	98	268	06:48:15.513	17ENEUR20H01-		-----START------		2R3	4	0	: :
68	98	268	06:48:15.513	17NNEUR20H01-		-----STOP-------		2R3	4	0	: :
69	98	268	06:48:56.733	20EA5A	37PL		Program Load (halts microprocessor & unwri	2R3	4	0	4,665,454:22:0
70	98	268	06:48:58.066	20EA5B	37MRL		Memory Realocate (software operates from R	2R3	4	0	4,665,454:24:0
71	98	268	06:49:00.066	20EA6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	2R3	4	0	4,665,454:27:0
72	98	268	06:49:10.066	20EA6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	2R3	4	0	4,665,454:42:0
73	98	268	06:49:23.400	20EA5C	37IRT		Instrument Reset (goes into POR state)	260	4	0	4,665,454:62:0
74	98	268	06:49:26.733	20EA5D	37MN		Memory Normal (software operates from ROM)	260	4	0	4,665,454:67:0
75	98	268	06:49:36.733	20EA4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	4,665,454:82:0
76	98	268	06:51:39.400	125EA	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,665,456:84:0
77	98	268	06:51:39.400	125EA4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R0	4	0	4,665,456:84:0
78	98	268	06:52:40.066	125EA4B	37MB	0,0,0,0,0,0	Selects mirror (spatial) edit table	4R0	4	0	4,665,457:84:0
79	98	268	06:52:40.066	125EA11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,665,457:84:0
80	98	268	06:52:44.066	165EA4A	7SCAN	NORM,276.66,-24.	Check S/P Position	4R0	4	0	4,665,457:90:0
81	98	268	06:54:41.400	127EA4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	4,665,459:84:0
82	98	268	06:54:41.400	127EA	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,665,459:84:0
83	98	268	06:54:42.066	127EA4B	37ETB	07,C7,30,05,FF,0	Loads wavelength edit table	4R3	4	0	4,665,459:85:0
84	98	268	06:54:50.066	127EA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,665,460:06:0
85	98	268	06:56:38.066	117EA	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	4,665,461:77:0
86	98	268	06:56:46.066	165EA4B	7VECT		Inert vect update UTC	4R3	4	0	4,665,461:89:0
87	98	268	06:56:47.400	117EA105A106A4A	7STRP	-0.0052,0.0,0,0,	Slew =,0.02	4R3	4	0	4,665,462:00:0
88	98	268	06:57:36.733	175EA422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,665,462:74:0
89	98	268	06:57:36.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2048.00 +/-	4R3	4	0	4,665,462:74:0
90	98	268	06:57:43.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2048.00 +/-	4R3	4	0	4,665,462:84:0
91	98	268	06:57:44.733	175EA176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,665,462:86:0
92	98	268	06:57:44.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2048.12 +/-	4R3	4	0	4,665,462:86:1
93	98	268	06:57:44.800		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2048.12 +/-	4R3	4	0	4,665,462:86:1
94	98	268	06:57:45.400	17ENEUR20H01-	NIMPBK	301EA	EUROPA DISTANT MAPPING	4R3	4	0	: :
95	98	268	07:00:45.400	125FA4A	37IST	0,2,0,OFF,0,1,2	Gain State 3	3R3	4	0	4,665,465:84:0
96	98	268	07:00:45.400	125FA	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	4,665,465:84:0
97	98	268	07:00:45.400	125FA11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	4,665,465:84:0
98	98	268	07:01:18.733	17ENEUR20H01-	DESELC	300EA	EUROPA DISTANT MAPPING	3R3	4	0	: :
99	98	268	07:01:18.733	117EA105A106A4B	7STRP	0.0052,0.0,0,0,0	Slew =12.01	3R3	4	0	4,665,466:43:0
100	98	268	07:01:46.066	127FA	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	4,665,466:84:0
101	98	268	07:01:46.733	127FA4A	37ETB	07,C7,31,BD,C8,0	Loads wavelength edit table	3R3	4	0	4,665,466:85:0
102	98	268	07:01:54.733	127FA11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	4,665,467:06:0
103	98	268	07:02:14.066	17ENEUR20H01-	NIMPBK	301EZ	EUROPA DISTANT MAPPING	3R3	4	0	: :
104	98	268	07:02:19.400	117EA105A106A4C	7STRP	-0.0052,0.0,0,0,	Slew =,0.02	3R3	4	0	4,665,467:43:0
105	98	268	07:02:24.847	17ENEUR20H01-		-----STOP-------		3R3	4	0	: :
106	98	268	07:06:49.400	17ENEUR20H01-	DESELC	300EZ	EUROPA DISTANT MAPPING	3R3	4	0	: :
107	98	268	07:06:50.733	117EA11A	CSMOS	GE	***** GROUP END CSMOS	3R3	4	0	4,665,471:86:0
108	98	268	07:06:51.400	175EA6A	6TMREC	NRC	NO RECORD Record Mode Change	3R3	4	0	4,665,471:87:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	98	268	07:06:51.400	175EA422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,665,471:87:0	
110	98	268	07:06:51.400		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2176.23 +/-	3R3	4	0	4,665,471:87:0	
111	98	268	07:06:52.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2176.29 +/-	3R3	4	0	4,665,471:88:8	
112	98	268	07:06:53.400	165CA4A	7SCAN	NORM,276.586998,	Check S/P Position	3R3	4	0	4,665,471:90:0	
113	98	268	07:10:55.400	165CA4B	7VECT		Inert vect update UTC	3R3	4	0	4,665,475:89:0	
114	98	268	07:33:35.400	488AA6B	6TMSED	NORM,GL7	Sci, Eng, and D/L Chan	3R3	4	0	4,665,498:36:0	
115	98	268	07:55:22.733	165CA4C	7VECT		Inert vect update UTC	3R3	4	0	4,665,519:86:0	
116	98	268	08:15:57.400	488AA6C	6TMSED	FILL,GL7	Sci, Eng, and D/L Chan	3R3	4	0	4,665,540:27:0	
117	98	268	08:18:23.400	488AA6D	6TMSED	FILL,GL8	Sci, Eng, and D/L Chan	3R3	4	0	4,665,542:64:0	
118	98	268	08:20:03.400	488AA6E	6TMSED	NORM,GL8	Sci, Eng, and D/L Chan	3R3	4	0	4,665,544:32:0	
119	98	268	08:25:59.400	488AB6A	6TMSED	FILL,GL8	Sci, Eng, and D/L Chan	3R3	4	0	4,665,550:20:0	
120	98	268	08:39:54.733	165CH4A	7SCAN	NORM,277.734997,	Check S/P Position	3R3	4	0	4,665,563:90:0	
121	98	268	08:40:54.733	165CH4B	7VECT		Inert vect update UTC	3R3	4	0	4,665,564:89:0	
122	98	268	08:54:24.066	488AB6B	6TMSED	NORM,GL8	Sci, Eng, and D/L Chan	3R3	4	0	4,665,578:29:0	
123	98	268	09:25:22.066	165CH4C	7VECT		Inert vect update UTC	3R3	4	0	4,665,608:86:0	
124	98	268	10:00:00.066	488AB6C	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	3R3	4	0	4,665,643:18:0	
125	98	268	10:00:00.733	282ND432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	3R3	4	0	4,665,643:19:0	
126	98	268	10:00:01.400	282ND432A6A	6RTSL1		R/T Select of DDS and	3R3	4	0	4,665,643:20:0	
127	98	268	10:09:54.066	165CB4A	7SCAN	NORM,278.774998,	Check S/P Position	3R3	4	0	4,665,652:90:0	
128	98	268	10:10:54.066	165CB4B	7VECT		Inert vect update UTC	3R3	4	0	4,665,653:89:0	
129	**98**	**268**	**10:27:40.002**	**17NNWHTOVL01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
130	**98**	**268**	**10:32:27.400**	**20EB5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**3R3**	**4**	**0**	**4,665,675:27:0**	
131	**98**	**268**	**10:32:28.733**	**20EB5B**	**37MRL**		**Memory Realocate (software operates from R**	**3R3**	**4**	**0**	**4,665,675:29:0**	
132	**98**	**268**	**10:32:30.066**	**20EB6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**3R3**	**4**	**0**	**4,665,675:31:0**	
133	**98**	**268**	**10:32:40.066**	**20EB6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**3R3**	**4**	**0**	**4,665,675:46:0**	
134	**98**	**268**	**10:32:50.066**	**20EB5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,665,675:61:0**	
135	**98**	**268**	**10:33:10.066**	**20EB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,665,676:00:0**	
136	**98**	**268**	**10:33:25.400**	**20EB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,665,676:23:0**	
137	**98**	**268**	**10:35:06.733**	**125EB4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,665,677:84:0**	
138	98	268	10:35:06.733	125EB	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,665,677:84:0	
139	**98**	**268**	**10:36:07.400**	**125EB4B**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**4,665,678:84:0**	
140	98	268	10:36:07.400	125EB11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,665,678:84:0	
141	**98**	**268**	**10:37:46.668**	**17JNWHTOVL01-**		**-----START------**		**4R0**	**4**	**0**	**: :**	
142	**98**	**268**	**10:37:46.668**	**17NNWHTOVL01-**		**-----STOP-------**		**4R0**	**4**	**0**	**: :**	
143	**98**	**268**	**10:38:08.733**	**127EB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,665,680:84:0**	
144	98	268	10:38:08.733	127EB	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,665,680:84:0	
145	**98**	**268**	**10:38:09.400**	**127EB4B**	**37ETB**		**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,665,680:85:0**	
146	98	268	10:38:17.400	127EB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,665,681:06:0	
147	98	268	10:39:11.400	488AB6D	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	4R3	4	0	4,665,681:87:0	
148	98	268	10:39:13.400	165EB4A	7SCAN	NORM,264.114998,	Check S/P Position	4R3	4	0	4,665,681:90:0	
149	98	268	10:42:04.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2176.29 +/-	4R3	4	0	4,665,684:74:0	
150	98	268	10:42:04.733	175EB422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,665,684:74:0	
151	98	268	10:42:06.733	117EB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,665,684:77:0	
152	98	268	10:42:11.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2176.29 +/-	4R3	4	0	4,665,684:84:0	
153	98	268	10:42:12.733	175EB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,665,684:86:0	
154	98	268	10:42:12.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2176.41 +/-	4R3	4	0	4,665,684:86:1	
155	98	268	10:42:12.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2176.41 +/-	4R3	4	0	4,665,684:86:1	
156	98	268	10:42:14.733	165EB4B	7VECT		Inert vect update UTC	4R3	4	0	4,665,684:89:0	
157	98	268	10:42:16.066	117EB105A106A4A	**7STRP**	**-0.024005,0.0,0,**	**Slew =,0.04**	4R3	4	0	4,665,685:00:0	
158	**98**	**268**	**10:42:16.066**	**17JNWHTOVL01-**	**NIMPBK**	**301EB**	**JUPITER WHITE OVAL OBS**	**4R3**	**4**	**0**	**: :**	
159	**98**	**268**	**10:50:55.335**	**17JNWHTOVL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
160	**98**	**268**	**10:52:11.400**	**17JNWHTOVL01-**	**DESELC**	**300EB**	**JUPITER WHITE OVAL OBS**	**4R3**	**4**	**0**	**: :**	
161	98	268	10:52:13.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2317.17 +/-	4R3	4	0	4,665,694:77:0	
162	98	268	10:52:13.400	175EB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,665,694:77:0	
163	98	268	10:52:13.400	175EB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,665,694:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	98	268	10:52:14.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2317.23 +/-	4R3	4	0	4,665,694:78:8	
165	98	268	10:52:19.400	117EB11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	4,665,694:86:0	
166	98	268	10:52:22.066	165CC4A	7SCAN	NORM,278.321999,	Check S/P Position	4R3	4	0	4,665,694:90:0	
167	98	268	10:55:23.400	165CC4B	7VECT		Inert vect update UTC	4R3	4	0	4,665,697:89:0	
168	98	268	11:23:42.733	165CD4A	7SCAN	NORM,278.237,-24	Check S/P Position	4R3	4	0	4,665,725:90:0	
169	98	268	11:24:42.733	165CD4B	7VECT		Inert vect update UTC	4R3	4	0	4,665,726:89:0	
170	98	268	11:34:39.400	488AB6E	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	4,665,736:74:0	
171	**98**	**268**	**11:41:28.668**	**17NNWHTOVL02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
172	**98**	**268**	**11:50:18.733**	**20EC5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,665,752:27:0**	
173	**98**	**268**	**11:50:20.066**	**20EC5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,665,752:29:0**	
174	**98**	**268**	**11:50:21.400**	**20EC6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,665,752:31:0**	
175	**98**	**268**	**11:50:31.400**	**20EC6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,665,752:46:0**	
176	**98**	**268**	**11:50:41.400**	**20EC5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,665,752:61:0**	
177	**98**	**268**	**11:51:01.400**	**20EC5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,665,753:00:0**	
178	**98**	**268**	**11:51:16.733**	**20EC4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,665,753:23:0**	
179	**98**	**268**	**11:51:35.335**	**17NNWHTOVL02-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
180	**98**	**268**	**11:51:35.335**	**17JNWHTOVL02-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
181	98	268	11:53:02.066	165EC4A	7SCAN	NORM,265.114998,	Check S/P Position	2R0	4	0	4,665,754:90:0	
182	98	268	11:53:58.733	125EC	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,665,755:84:0	
183	**98**	**268**	**11:53:58.733**	**125EC4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,665,755:84:0**	
184	**98**	**268**	**11:54:59.400**	**125EC4B**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**4,665,756:84:0**	
185	98	268	11:54:59.400	125EC11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,665,756:84:0	
186	98	268	11:56:00.066	127EC	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,665,757:84:0	
187	**98**	**268**	**11:56:00.066**	**127EC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,665,757:84:0**	
188	**98**	**268**	**11:56:00.733**	**127EC4B**	**37ETB**		**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,665,757:85:0**	
189	98	268	11:56:08.733	127EC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,665,758:06:0	
190	98	268	11:56:54.066	175EC422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,665,758:74:0	
191	98	268	11:56:54.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2317.23 +/-	4R3	4	0	4,665,758:74:0	
192	98	268	11:56:56.066	117EC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,665,758:77:0	
193	98	268	11:57:00.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2317.23 +/-	4R3	4	0	4,665,758:84:0	
194	98	268	11:57:02.066	175EC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,665,758:86:0	
195	98	268	11:57:02.133		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2317.35 +/-	4R3	4	0	4,665,758:86:1	
196	98	268	11:57:02.133		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2317.35 +/-	4R3	4	0	4,665,758:86:1	
197	98	268	11:57:04.066	165EC4B	7VECT		Inert vect update UTC	4R3	4	0	4,665,758:89:0	
198	**98**	**268**	**11:57:05.400**	**17JNWHTOVL02-**	**NIMPBK**	**301EC**	**JUPITER WHITE OVAL OBS**	**4R3**	**4**	**0**	**: :**	
199	98	268	11:57:05.400	117EC105A106A4A	**7STRP**	**-0.024005,0.0,0,**	**Slew =,0.04**	4R3	4	0	4,665,759:00:0	
200	**98**	**268**	**12:01:42.002**	**17NNJUPRTS02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
201	**98**	**268**	**12:05:44.668**	**17JNWHTOVL02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
202	**98**	**268**	**12:07:00.733**	**17JNWHTOVL02-**	**DESELC**	**300EC**	**JUPITER WHITE OVAL OBS**	**4R3**	**4**	**0**	**: :**	
203	98	268	12:07:02.733	175EC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,665,768:77:0	
204	98	268	12:07:02.733	175EC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,665,768:77:0	
205	98	268	12:07:02.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2458.12 +/-	4R3	4	0	4,665,768:77:0	
206	98	268	12:07:03.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2458.18 +/-	4R3	4	0	4,665,768:78:8	
207	98	268	12:07:08.733	117EC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,665,768:86:0	
208	**98**	**268**	**12:10:32.066**	**20DB5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,665,772:27:0**	
209	**98**	**268**	**12:10:33.400**	**20DB5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,665,772:29:0**	
210	**98**	**268**	**12:10:34.733**	**20DB6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,665,772:31:0**	
211	**98**	**268**	**12:10:44.733**	**20DB6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,665,772:46:0**	
212	**98**	**268**	**12:10:54.733**	**20DB5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,665,772:61:0**	
213	**98**	**268**	**12:11:14.733**	**20DB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,665,773:00:0**	
214	**98**	**268**	**12:11:30.066**	**20DB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,665,773:23:0**	
215	**98**	**268**	**12:11:48.668**	**17NNJUPRTS02-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
216	**98**	**268**	**12:11:48.668**	**17JNJUPRTS02***		**-----START------**		**2R0**	**4**	**0**	**: :**	
217	98	268	12:13:11.400	125DB	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,665,774:84:0	
218	**98**	**268**	**12:13:11.400**	**125DB4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**4,665,774:84:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	98	268	12:13:15.400	165DB4A	7SCAN	NORM,261.393997,	Check S/P Position	2R0	4	0	4,665,774:90:0	
220	**98**	**268**	**12:14:12.066**	**125DB4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**4,665,775:84:0**	
221	98	268	12:14:12.066	125DB11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,665,775:84:0	
222	**98**	**268**	**12:16:13.400**	**127DB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,665,777:84:0**	
223	98	268	12:16:13.400	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,665,777:84:0	
224	**98**	**268**	**12:16:14.066**	**127DB4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,665,777:85:0**	
225	98	268	12:16:22.066	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,665,778:06:0	
226	**98**	**268**	**12:16:22.066**	**432DB6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**4,665,778:06:0**	
227	98	268	12:17:09.400	117DB	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,665,778:77:0	
228	98	268	12:17:17.400	165DB4B	7VECT		Inert vect update UTC	2R3	4	0	4,665,778:89:0	
229	98	268	12:17:18.733	117DB105A106A4A	**7STRP**	**0.036016,0.0,0,0**	**Slew =,0.06**	2R3	4	0	4,665,779:00:0	
230	**98**	**268**	**12:25:58.002**	**17JNJUPRTS02***		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
231	**98**	**268**	**12:25:58.002**	**17NNWHTOVL03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
232	**98**	**268**	**12:26:27.400**	**432DY6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**4,665,788:04:0**	
233	98	268	12:27:22.066	117DB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,665,788:86:0	
234	**98**	**268**	**12:27:43.400**	**20ED5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**4,665,789:27:0**	
235	**98**	**268**	**12:27:44.733**	**20ED5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**4,665,789:29:0**	
236	**98**	**268**	**12:27:46.066**	**20ED6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**4,665,789:31:0**	
237	**98**	**268**	**12:27:56.066**	**20ED6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**4,665,789:46:0**	
238	**98**	**268**	**12:27:59.335**	**17JNWHTOVL03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
239	**98**	**268**	**12:27:59.335**	**17NNWHTOVL03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
240	**98**	**268**	**12:28:06.066**	**20ED5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,665,789:61:0**	
241	98	268	12:28:25.400	165ED4A	7SCAN	NORM,265.092999,	Check S/P Position	260	4	0	4,665,789:90:0	
242	**98**	**268**	**12:28:26.066**	**20ED5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,665,790:00:0**	
243	**98**	**268**	**12:28:41.400**	**20ED4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**4,665,790:23:0**	
244	**98**	**268**	**12:31:23.400**	**127ED4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,665,792:84:0**	
245	98	268	12:31:23.400	127ED	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,665,792:84:0	
246	**98**	**268**	**12:31:24.066**	**127ED4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,665,792:85:0**	
247	98	268	12:31:32.066	127ED11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,665,793:06:0	
248	98	268	12:32:17.400	175ED422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	4,665,793:74:0	
249	98	268	12:32:17.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2458.18 +/-	2R3	4	0	4,665,793:74:0	
250	98	268	12:32:19.400	117ED	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,665,793:77:0	
251	98	268	12:32:24.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2458.18 +/-	2R3	4	0	4,665,793:84:0	
252	98	268	12:32:25.400	175ED176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,665,793:86:0	
253	98	268	12:32:25.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2458.30 +/-	2R3	4	0	4,665,793:86:1	
254	98	268	12:32:25.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2458.30 +/-	2R3	4	0	4,665,793:86:1	
255	98	268	12:32:27.400	165ED4B	7VECT		Inert vect update UTC	2R3	4	0	4,665,793:89:0	
256	98	268	12:32:28.733	117ED105A106A4A	**7STRP**	**-0.024005,0.0,0,**	**Slew =,0.04**	2R3	4	0	4,665,794:00:0	
257	**98**	**268**	**12:32:28.733**	**17JNWHTOVL03-**	**NIMPBK**	**301ED**	**JUPITER WHITE OVAL OBS**	**2R3**	**4**	**0**	**: :**	
258	**98**	**268**	**12:42:08.668**	**17JNWHTOVL03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
259	**98**	**268**	**12:42:24.066**	**17JNWHTOVL03-**	**DESELC**	**300ED**	**JUPITER WHITE OVAL OBS**	**2R3**	**4**	**0**	**: :**	
260	98	268	12:42:26.066	175ED422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,665,803:77:0	
261	98	268	12:42:26.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2599.07 +/-	2R3	4	0	4,665,803:77:0	
262	98	268	12:42:26.066	175ED6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,665,803:77:0	
263	98	268	12:42:27.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2599.13 +/-	2R3	4	0	4,665,803:78:8	
264	98	268	12:42:32.066	117ED11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,665,803:86:0	
265	98	268	12:43:04.733	165IA4A	7SCAN	NORM,263.926998,	Check S/P Position	2R3	4	0	4,665,804:44:0	
266	98	268	12:46:42.066	118IA	**SMOS**	GS		2R3	4	0	4,665,808:06:0	
267	98	268	12:46:59.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2599.13 +/-	2R3	4	0	4,665,808:32:0	
268	98	268	12:46:59.400	175IA422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,665,808:32:0	
269	98	268	12:47:06.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2599.13 +/-	2R3	4	0	4,665,808:42:0	
270	98	268	12:47:06.733	165IA4B	7VECT		Inert vect update UTC	2R3	4	0	4,665,808:43:0	
271	98	268	12:47:09.400	175IA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,665,808:47:0	
272	98	268	12:47:10.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2605.43 +/-	2R3	4	0	4,665,808:48:0	
273	98	268	12:47:10.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2605.43 +/-	2R3	4	0	4,665,808:48:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	98	268	12:47:10.733	118IA110A111A4A	7STRP	0.00731,0.0,46,0	Slew =,3.71	2R3	4	0	4,665,808:49:0	
275	98	268	12:47:41.400	118IA110A111A4B	7STRP	-0.014621,0.0,0,	Slew =,7.31	2R3	4	0	4,665,809:04:0	
276	98	268	12:47:56.733	118IA110A111A4C	7STRP	0.00731,0.0,46,0	Slew =,3.71	2R3	4	0	4,665,809:27:0	
277	98	268	12:48:27.400	118IA11A	**SMOS**	GE		2R3	4	0	4,665,809:73:0	
278	98	268	12:48:38.733	165AB4A	7SCAN	NORM,263.939999,	Check S/P Position	2R3	4	0	4,665,809:90:0	
279	98	268	12:48:39.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2919.49 +/-	2R3	4	0	4,665,810:00:0	
280	98	268	12:48:39.400	175IA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,665,810:00:0	
281	98	268	12:48:40.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2920.49 +/-	2R3	4	0	4,665,810:01:8	
282	98	268	12:49:30.733	117AB	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,665,810:77:0	
283	98	268	12:49:38.733	165AB4B	7VECT		Inert vect update UTC	2R3	4	0	4,665,810:89:0	
284	98	268	12:49:40.066	117AB105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.08	2R3	4	0	4,665,811:00:0	
285	98	268	12:51:36.733	117AB105A106A4B	7STRP	0.008,0.0,0,0,0,	Slew =12.01	2R3	4	0	4,665,812:84:0	
286	98	268	12:51:42.066	117AB105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.08	2R3	4	0	4,665,813:01:0	
287	98	268	12:53:38.733	117AB105A106A4D	7STRP	0.008,0.0,0,0,0,	Slew =12.01	2R3	4	0	4,665,814:85:0	
288	98	268	12:53:44.066	117AB105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.08	2R3	4	0	4,665,815:02:0	
289	98	268	12:55:40.733	117AB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,665,816:86:0	
290	98	268	12:55:43.400	165IB4A	7SCAN	NORM,279.125999,	Check S/P Position	2R3	4	0	4,665,816:90:0	
291	98	268	12:57:18.066	175IB422A6A	6DMSC	R806,1	DMS Control	2R3	4	0	4,665,818:50:0	
292	98	268	12:57:18.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2920.49 +/-	2R3	4	0	4,665,818:50:0	
293	98	268	12:57:24.733		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 2920.49 +/-	2R3	4	0	4,665,818:60:0	
294	98	268	12:57:26.733	165IB4B	7VECT		Inert vect update UTC	2R3	4	0	4,665,818:63:0	
295	98	268	12:57:29.400	175IB176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	4,665,818:67:0	
296	98	268	12:57:30.000		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 2986.49 +/-	2R3	4	0	4,665,818:67:9	
297	98	268	12:57:30.000		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *2986.49 +/-	2R3	4	0	4,665,818:67:9	
298	98	268	12:57:36.733	175IB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,665,818:78:0	
299	98	268	12:57:36.733		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *3152.19 +/-	2R3	4	0	4,665,818:78:0	
300	98	268	12:57:39.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3163.69 +/-	2R3	4	0	4,665,818:82:1	
301	98	268	12:57:44.733	165CE4A	7SCAN	NORM,279.175999,	Check S/P Position	2R3	4	0	4,665,818:90:0	
302	98	268	13:00:46.066	165CE4B	7VECT		Inert vect update UTC	2R3	4	0	4,665,821:89:0	
303	98	268	13:57:38.733	165IC4A	7SCAN	NORM,264.692997,	Check S/P Position	2R3	4	0	4,665,878:21:0	
304	98	268	13:58:29.400	118IC	**SMOS**	GS		2R3	4	0	4,665,879:06:0	
305	98	268	13:58:31.400	175IC422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,665,879:09:0	
306	98	268	13:58:31.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3163.69 +/-	2R3	4	0	4,665,879:09:0	
307	98	268	13:58:38.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3163.69 +/-	2R3	4	0	4,665,879:19:0	
308	98	268	13:58:38.733	165IC4B	7VECT		Inert vect update UTC	2R3	4	0	4,665,879:20:0	
309	98	268	13:58:41.400	175IC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,665,879:24:0	
310	98	268	13:58:42.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3169.99 +/-	2R3	4	0	4,665,879:25:0	
311	98	268	13:58:42.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3169.99 +/-	2R3	4	0	4,665,879:25:0	
312	98	268	13:58:42.733	118IC110A111A4A	7STRP	0.00731,0.0,46,0	Slew =,3.71	2R3	4	0	4,665,879:26:0	
313	98	268	13:59:13.400	118IC11A	**SMOS**	GE		2R3	4	0	4,665,879:72:0	
314	98	268	13:59:26.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3324.68 +/-	2R3	4	0	4,665,880:00:0	
315	98	268	13:59:26.066	175IC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,665,880:00:0	
316	98	268	13:59:27.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3325.68 +/-	2R3	4	0	4,665,880:01:8	
317	98	268	14:02:27.400	165AC4A	7SCAN	NORM,264.845997,	Check S/P Position	2R3	4	0	4,665,882:90:0	
318	98	268	14:03:19.400	117AC	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,665,883:77:0	
319	98	268	14:03:27.400	165AC4B	7VECT		Inert vect update UTC	2R3	4	0	4,665,883:89:0	
320	98	268	14:03:28.733	117AC105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.08	2R3	4	0	4,665,884:00:0	
321	98	268	14:05:25.400	117AC105A106A4B	7STRP	0.006,0.0,0,0,0,	Slew =12.01	2R3	4	0	4,665,885:84:0	
322	98	268	14:05:30.733	117AC105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.08	2R3	4	0	4,665,886:01:0	
323	98	268	14:07:27.400	117AC105A106A4D	7STRP	0.006,0.0,0,0,0,	Slew =12.01	2R3	4	0	4,665,887:85:0	
324	98	268	14:07:32.733	117AC105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.08	2R3	4	0	4,665,888:02:0	
325	98	268	14:09:29.400	117AC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,665,889:86:0	
326	**98**	**268**	**14:10:06.668**	**17NNJUPRTS03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
327	**98**	**268**	**14:18:56.733**	**20DC5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**4,665,899:27:0**	
328	**98**	**268**	**14:18:58.066**	**20DC5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**4,665,899:29:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
329	98	268	14:18:59.400	20DC6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	2R3	4	0	4,665,899:31:0
330	98	268	14:19:09.400	20DC6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	2R3	4	0	4,665,899:46:0
331	98	268	14:19:19.400	20DC5C	37IRT		Instrument Reset (goes into POR state)	260	4	0	4,665,899:61:0
332	98	268	14:19:39.400	20DC5D	37MN		Memory Normal (software operates from ROM)	260	4	0	4,665,900:00:0
333	98	268	14:19:54.733	20DC4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	4,665,900:23:0
334	98	268	14:20:13.335	17NNJUPRTS03-		-----STOP-------		2R0	4	0	: :
335	98	268	14:20:13.335	17JNJUPRTS03*		-----START------		2R0	4	0	: :
336	98	268	14:20:39.400	165DC4A	7SCAN	NORM,268.619999,	Check S/P Position	2R0	4	0	4,665,900:90:0
337	98	268	14:21:36.066	125DC	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,665,901:84:0
338	98	268	14:21:36.066	125DC4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	4,665,901:84:0
339	98	268	14:22:36.733	125DC11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,665,902:84:0
340	98	268	14:22:36.733	125DC4B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	4,665,902:84:0
341	98	268	14:24:33.400	117DC	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	4,665,904:77:0
342	98	268	14:24:38.066	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	4,665,904:84:0
343	98	268	14:24:38.066	127DC4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	4,665,904:84:0
344	98	268	14:24:38.733	127DC4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	4,665,904:85:0
345	98	268	14:24:41.400	165DC4B	7VECT		Inert vect update UTC	2R3	4	0	4,665,904:89:0
346	98	268	14:24:42.733	117DC105A106A4A	7STRP	-0.011501,0.0,0,	Slew =,0.06	2R3	4	0	4,665,905:00:0
347	98	268	14:24:46.733	432DC6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	4,665,905:06:0
348	98	268	14:24:46.733	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,665,905:06:0
349	98	268	14:27:56.733	117DC105A106A4B	7STRP	0.012001,-0.008,	Slew =12.01	2R3	4	0	4,665,908:18:0
350	98	268	14:28:05.400	117DC105A106A4C	7STRP	-0.011501,0.0,0,	Slew =,0.06	2R3	4	0	4,665,908:31:0
351	98	268	14:31:19.400	117DC105A106A4D	7STRP	0.012001,-0.008,	Slew =12.01	2R3	4	0	4,665,911:49:0
352	98	268	14:31:28.066	117DC105A106A4E	7STRP	-0.011501,0.0,0,	Slew =,0.06	2R3	4	0	4,665,911:62:0
353	98	268	14:34:42.066	117DC11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	4,665,914:80:0
354	98	268	14:34:52.066	432DX6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	4,665,915:04:0
355	98	268	14:35:23.335	17JNJUPRTS03*		-----STOP-------		2R3	4	0	: :
356	98	268	15:01:06.066	165CF4A	7SCAN	NORM,279.169998,	Check S/P Position	2R3	4	0	4,665,940:90:0
357	98	268	15:05:08.066	165CF4B	7VECT		Inert vect update UTC	2R3	4	0	4,665,944:89:0
358	98	268	16:16:15.400	488AC6A	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R3	4	0	4,666,015:29:0
359	98	268	17:50:07.400	488AC6B	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R3	4	0	4,666,108:14:0
360	98	268	18:04:16.733	165ID4A	7SCAN	NORM,271.887997,	Check S/P Position	2R3	4	0	4,666,122:14:0
361	98	268	18:07:13.400	118ID	SMOS	GS		2R3	4	0	4,666,125:06:0
362	98	268	18:07:38.066	165ID4B	7VECT		Inert vect update UTC	2R3	4	0	4,666,125:43:0
363	98	268	18:07:46.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3325.68 +/-	2R3	4	0	4,666,125:55:0
364	98	268	18:07:46.066	175ID422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,666,125:55:0
365	98	268	18:07:52.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3325.68 +/-	2R3	4	0	4,666,125:65:0
366	98	268	18:07:56.066	175ID176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,666,125:70:0
367	98	268	18:07:56.733	118ID110A111A4A	7STRP	0.00772,0.0,182,	Slew =,3.51	2R3	4	0	4,666,125:71:0
368	98	268	18:07:56.733		DMS:	: *RECORD	R115, TRACK 1, FWD, TIC *3331.98 +/-	2R3	4	0	4,666,125:71:0
369	98	268	18:07:56.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3331.98 +/-	2R3	4	0	4,666,125:71:0
370	98	268	18:08:03.400	175ID422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,125:81:0
371	98	268	18:08:03.400		DMS:	: *RUNDOWN	R115, TRACK 1, FWD, TIC *3355.42 +/-	2R3	4	0	4,666,125:81:0
372	98	268	18:08:04.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3356.42 +/-	2R3	4	0	4,666,125:82:8
373	98	268	18:08:46.733	175JD422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,666,126:55:0
374	98	268	18:08:46.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3356.42 +/-	2R3	4	0	4,666,126:55:0
375	98	268	18:08:53.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3356.42 +/-	2R3	4	0	4,666,126:65:0
376	98	268	18:08:56.733	175JD176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,666,126:70:0
377	98	268	18:08:57.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3362.72 +/-	2R3	4	0	4,666,126:71:0
378	98	268	18:08:57.400		DMS:	: *RECORD	R115, TRACK 1, FWD, TIC *3362.72 +/-	2R3	4	0	4,666,126:71:0
379	98	268	18:08:57.400	118ID11A	SMOS	GE		2R3	4	0	4,666,126:71:0
380	98	268	18:09:04.066	175JD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,126:81:0
381	98	268	18:09:04.066		DMS:	: *RUNDOWN	R115, TRACK 1, FWD, TIC *3386.15 +/-	2R3	4	0	4,666,126:81:0
382	98	268	18:09:05.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3387.15 +/-	2R3	4	0	4,666,126:82:8
383	98	268	18:09:06.733	165IE4A	7SCAN	NORM,289.198997,	Check S/P Position	2R3	4	0	4,666,126:85:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	98	268	18:11:16.066	118IE	**SMOS**	GS		2R3	4	0	4,666,129:06:0	
385	98	268	18:11:40.733	165IE4B	7VECT		Inert vect update UTC	2R3	4	0	4,666,129:43:0	
386	98	268	18:11:48.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3387.15 +/-	2R3	4	0	4,666,129:55:0	
387	98	268	18:11:48.733	175IE422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,666,129:55:0	
388	98	268	18:11:55.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3387.15 +/-	2R3	4	0	4,666,129:65:0	
389	98	268	18:11:58.733	175IE176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,666,129:70:0	
390	98	268	18:11:59.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3393.45 +/-	2R3	4	0	4,666,129:71:0	
391	98	268	18:11:59.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3393.45 +/-	2R3	4	0	4,666,129:71:0	
392	98	268	18:11:59.400	118IE110A111A4A	7STRP	0.00731,0.0005,1	Slew =,3.51	2R3	4	0	4,666,129:71:0	
393	98	268	18:12:06.066	175IE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,129:81:0	
394	98	268	18:12:06.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3416.89 +/-	2R3	4	0	4,666,129:81:0	
395	98	268	18:12:07.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3417.89 +/-	2R3	4	0	4,666,129:82:8	
396	98	268	18:12:49.400	175JE422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,666,130:55:0	
397	98	268	18:12:49.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3417.89 +/-	2R3	4	0	4,666,130:55:0	
398	98	268	18:12:56.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3417.89 +/-	2R3	4	0	4,666,130:65:0	
399	98	268	18:12:59.400	175JE176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,666,130:70:0	
400	98	268	18:13:00.066	118IE11A	**SMOS**	GE		2R3	4	0	4,666,130:71:0	
401	98	268	18:13:00.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3424.19 +/-	2R3	4	0	4,666,130:71:0	
402	98	268	18:13:00.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3424.19 +/-	2R3	4	0	4,666,130:71:0	
403	98	268	18:13:06.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3447.63 +/-	2R3	4	0	4,666,130:81:0	
404	98	268	18:13:06.733	175JE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,130:81:0	
405	98	268	18:13:07.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3448.63 +/-	2R3	4	0	4,666,130:82:8	
406	98	268	18:13:12.733	165CG4A	7SCAN	NORM,251.196999,	Check S/P Position	2R3	4	0	4,666,130:90:0	
407	98	268	18:16:14.066	165CG4B	7VECT		Inert vect update UTC	2R3	4	0	4,666,133:89:0	
408	98	268	18:37:03.400	488AC6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R3	4	0	4,666,154:52:0	
409	98	268	18:38:58.066	165CG4C	7VECT		Inert vect update UTC	2R3	4	0	4,666,156:42:0	
410	98	268	19:01:42.066	165CG4D	7VECT		Inert vect update UTC	2R3	4	0	4,666,178:86:0	
411	98	268	19:02:31.400	488AC6D	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	2R3	4	0	4,666,179:69:0	
412	98	268	19:24:26.066	165CG4E	7VECT		Inert vect update UTC	2R3	4	0	4,666,201:39:0	
413	98	268	19:41:37.400	488AC6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R3	4	0	4,666,218:39:0	
414	98	268	20:16:34.733	192GB4A	**7CONE**	**17.4,0.0**	Check S/P Position	2R3	4	0	4,666,253:00:0	
415	98	268	20:19:36.733	176GB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,666,256:00:0	
416	98	268	20:21:51.400	176GB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,666,258:20:0	
417	98	268	20:21:53.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,666,258:23:0	
418	98	268	20:21:53.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3448.63 +/-	2R3	4	0	4,666,258:23:0	
419	98	268	20:22:00.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3448.63 +/-	2R3	4	0	4,666,258:33:0	
420	98	268	20:22:01.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3448.75 +/-	2R3	4	0	4,666,258:35:1	
421	98	268	20:22:03.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3449.20 +/-	2R3	4	0	4,666,258:38:0	
422	98	268	20:22:14.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3451.86 +/-	2R3	4	0	4,666,258:55:0	
423	98	268	20:22:14.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,258:55:0	
424	98	268	20:22:15.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3451.92 +/-	2R3	4	0	4,666,258:56:8	
425	98	268	20:24:39.400	165GB4A	7SCAN	NORM,287.995998,	Check S/P Position	2R3	4	0	4,666,260:90:0	
426	98	268	20:27:42.066	176GC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,666,264:00:0	
427	98	268	20:28:33.400	117GB	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,666,264:77:0	
428	98	268	20:28:42.733	117GB105A106A4A	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,265:00:0	
429	98	268	20:30:10.066	117GB105A106A4B	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,266:40:0	
430	98	268	20:30:21.400	117GB105A106A4C	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,266:57:0	
431	98	268	20:31:48.733	117GB105A106A4D	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,268:06:0	
432	98	268	20:32:00.066	117GB105A106A4E	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,268:23:0	
433	98	268	20:33:27.400	117GB105A106A4F	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,269:63:0	
434	98	268	20:33:38.733	117GB105A106A4G	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,269:80:0	
435	98	268	20:35:06.066	117GB105A106A4H	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,271:29:0	
436	98	268	20:35:17.400	117GB105A106A4I	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,271:46:0	
437	98	268	20:36:44.733	117GB105A106A4J	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,272:86:0	
438	98	268	20:36:56.066	117GB105A106A4K	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,273:12:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
439	98	268	20:38:23.400	117GB105A106A4L	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,274:52:0
440	98	268	20:38:34.733	117GB105A106A4M	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,274:69:0
441	98	268	20:40:02.066	117GB105A106A4N	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,276:18:0
442	98	268	20:40:13.400	117GB105A106A4O	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,276:35:0
443	98	268	20:40:16.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,666,276:40:0
444	98	268	20:40:16.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3451.92 +/-	2R3	4	0	4,666,276:40:0
445	98	268	20:40:23.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3451.92 +/-	2R3	4	0	4,666,276:50:0
446	98	268	20:40:24.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3452.04 +/-	2R3	4	0	4,666,276:52:1
447	98	268	20:40:42.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3456.09 +/-	2R3	4	0	4,666,276:78:0
448	98	268	20:41:04.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3461.40 +/-	2R3	4	0	4,666,277:21:0
449	98	268	20:41:04.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,277:21:0
450	98	268	20:41:05.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3461.46 +/-	2R3	4	0	4,666,277:22:8
451	98	268	20:41:40.733	117GB105A106A4P	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,277:75:0
452	98	268	20:41:52.066	117GB105A106A4Q	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,278:01:0
453	98	268	20:43:19.400	117GB105A106A4R	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,279:41:0
454	98	268	20:43:30.733	117GB105A106A4S	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,279:58:0
455	98	268	20:44:58.066	117GB105A106A4T	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,281:07:0
456	98	268	20:45:09.400	117GB105A106A4U	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,281:24:0
457	98	268	20:46:36.733	117GB105A106A4V	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,282:64:0
458	98	268	20:46:48.066	117GB105A106A4W	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,282:81:0
459	98	268	20:48:15.400	117GB105A106A4X	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,284:30:0
460	98	268	20:48:26.733	117GB105A106A4Y	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,284:47:0
461	98	268	20:49:54.066	117GB105A106A4Z	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,285:87:0
462	98	268	20:50:05.400	117GB105A106A4AA	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,286:13:0
463	98	268	20:51:32.733	117GB105A106A4AB	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,287:53:0
464	98	268	20:51:44.066	117GB105A106A4AC	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,287:70:0
465	98	268	20:53:11.400	117GB105A106A4AD	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,289:19:0
466	98	268	20:53:18.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,666,289:30:0
467	98	268	20:53:18.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3461.46 +/-	2R3	4	0	4,666,289:30:0
468	98	268	20:53:22.733	117GB105A106A4AE	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,289:36:0
469	98	268	20:53:25.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3461.46 +/-	2R3	4	0	4,666,289:40:0
470	98	268	20:53:26.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3461.58 +/-	2R3	4	0	4,666,289:42:1
471	98	268	20:53:44.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3465.62 +/-	2R3	4	0	4,666,289:68:0
472	98	268	20:54:06.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3470.94 +/-	2R3	4	0	4,666,290:11:0
473	98	268	20:54:06.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,290:11:0
474	98	268	20:54:07.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3471.00 +/-	2R3	4	0	4,666,290:12:8
475	98	268	20:54:50.066	117GB105A106A4AF	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,290:76:0
476	98	268	20:55:01.400	117GB105A106A4AG	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,291:02:0
477	98	268	20:56:28.733	117GB105A106A4AH	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,292:42:0
478	98	268	20:56:40.066	117GB105A106A4AI	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,292:59:0
479	98	268	20:58:07.400	117GB105A106A4AJ	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,294:08:0
480	98	268	20:58:18.733	117GB105A106A4AK	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,294:25:0
481	98	268	20:59:46.066	117GB105A106A4AL	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,295:65:0
482	98	268	20:59:57.400	117GB105A106A4AM	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,295:82:0
483	98	268	21:01:24.733	117GB105A106A4AN	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,297:31:0
484	98	268	21:01:36.066	117GB105A106A4AO	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,297:48:0
485	98	268	21:03:03.400	117GB105A106A4AP	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,298:88:0
486	98	268	21:03:14.733	117GB105A106A4AQ	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,299:14:0
487	98	268	21:04:42.066	117GB105A106A4AR	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,300:54:0
488	98	268	21:04:53.400	117GB105A106A4AS	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,300:71:0
489	98	268	21:06:20.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3471.00 +/-	2R3	4	0	4,666,302:20:0
490	98	268	21:06:20.733	117GB105A106A4AT	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,302:20:0
491	98	268	21:06:20.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,666,302:20:0
492	98	268	21:06:27.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3471.00 +/-	2R3	4	0	4,666,302:30:0
493	98	268	21:06:28.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3471.12 +/-	2R3	4	0	4,666,302:32:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	98	268	21:06:32.066	117GB105A106A4AU	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,302:37:0	
495	98	268	21:06:46.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3475.16 +/-	2R3	4	0	4,666,302:58:0	
496	98	268	21:07:08.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3480.48 +/-	2R3	4	0	4,666,303:01:0	
497	98	268	21:07:08.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,303:01:0	
498	98	268	21:07:09.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3480.54 +/-	2R3	4	0	4,666,303:02:8	
499	98	268	21:07:59.400	117GB105A106A4AV	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,303:77:0	
500	98	268	21:08:10.733	117GB105A106A4AW	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,304:03:0	
501	98	268	21:09:38.066	117GB105A106A4AX	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,305:43:0	
502	98	268	21:09:49.400	117GB105A106A4AY	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,305:60:0	
503	98	268	21:11:16.733	117GB105A106A4AZ	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,307:09:0	
504	98	268	21:11:28.066	117GB105A106A4BA	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,307:26:0	
505	98	268	21:12:55.400	117GB105A106A4BB	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,308:66:0	
506	98	268	21:13:06.733	117GB105A106A4BC	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,308:83:0	
507	98	268	21:14:34.066	117GB105A106A4BD	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,310:32:0	
508	98	268	21:14:45.400	117GB105A106A4BE	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,310:49:0	
509	98	268	21:16:12.733	117GB105A106A4BF	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,311:89:0	
510	98	268	21:16:24.066	117GB105A106A4BG	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,312:15:0	
511	98	268	21:17:51.400	117GB105A106A4BH	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,313:55:0	
512	98	268	21:18:02.733	117GB105A106A4BI	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,313:72:0	
513	98	268	21:19:23.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,666,315:11:0	
514	98	268	21:19:23.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3480.54 +/-	2R3	4	0	4,666,315:11:0	
515	98	268	21:19:30.066	117GB105A106A4BJ	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,315:21:0	
516	98	268	21:19:30.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3480.54 +/-	2R3	4	0	4,666,315:21:0	
517	98	268	21:19:31.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3480.66 +/-	2R3	4	0	4,666,315:23:1	
518	98	268	21:19:41.400	117GB105A106A4BK	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,315:38:0	
519	98	268	21:19:48.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3484.55 +/-	2R3	4	0	4,666,315:48:0	
520	98	268	21:20:10.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3489.86 +/-	2R3	4	0	4,666,315:82:0	
521	98	268	21:20:10.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,315:82:0	
522	98	268	21:20:11.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3489.92 +/-	2R3	4	0	4,666,315:83:8	
523	98	268	21:21:08.733	117GB105A106A4BL	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,316:78:0	
524	98	268	21:21:20.066	117GB105A106A4BM	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,317:04:0	
525	98	268	21:22:47.400	117GB105A106A4BN	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,318:44:0	
526	98	268	21:22:58.733	117GB105A106A4BO	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,318:61:0	
527	98	268	21:24:26.066	117GB105A106A4BP	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,320:10:0	
528	98	268	21:24:37.400	117GB105A106A4BQ	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,320:27:0	
529	98	268	21:26:04.733	117GB105A106A4BR	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,321:67:0	
530	98	268	21:26:16.066	117GB105A106A4BS	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,321:84:0	
531	98	268	21:27:43.400	117GB105A106A4BT	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,323:33:0	
532	98	268	21:27:54.733	117GB105A106A4BU	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,323:50:0	
533	98	268	21:29:22.066	117GB105A106A4BV	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,324:90:0	
534	98	268	21:29:33.400	117GB105A106A4BW	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,325:16:0	
535	98	268	21:31:00.733	117GB105A106A4BX	7STRP	-0.0023,0.050133	Slew =12.01	2R3	4	0	4,666,326:56:0	
536	98	268	21:31:12.066	117GB105A106A4BY	7STRP	0.004,-0.050053,	Slew =0,0.7	2R3	4	0	4,666,326:73:0	
537	98	268	21:32:25.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,666,328:01:0	
538	98	268	21:32:25.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3489.92 +/-	2R3	4	0	4,666,328:01:0	
539	98	268	21:32:32.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3489.92 +/-	2R3	4	0	4,666,328:11:0	
540	98	268	21:32:33.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3490.04 +/-	2R3	4	0	4,666,328:13:1	
541	98	268	21:32:39.400	117GB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,666,328:22:0	
542	98	268	21:32:50.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3494.09 +/-	2R3	4	0	4,666,328:39:0	
543	98	268	21:33:13.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3499.40 +/-	2R3	4	0	4,666,328:73:0	
544	98	268	21:33:13.400	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,328:73:0	
545	98	268	21:33:14.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3499.46 +/-	2R3	4	0	4,666,328:74:8	
546	98	268	21:39:25.400	176GC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,666,334:85:0	
547	98	268	21:39:27.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,666,334:88:0	
548	98	268	21:39:27.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3499.46 +/-	2R3	4	0	4,666,334:88:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
549	98	268	21:39:34.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3499.46 +/-	2R3	4	0	4,666,335:07:0
550	98	268	21:39:35.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3499.58 +/-	2R3	4	0	4,666,335:09:1
551	98	268	21:39:37.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3500.03 +/-	2R3	4	0	4,666,335:12:0
552	98	268	21:39:53.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,335:36:0
553	98	268	21:39:53.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3503.78 +/-	2R3	4	0	4,666,335:36:0
554	98	268	21:39:54.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3503.84 +/-	2R3	4	0	4,666,335:37:8
555	98	268	21:40:29.400	165GC4A	7SCAN	NORM,291.280998,	Check S/P Position	2R3	4	0	4,666,335:90:0
556	98	268	21:43:32.066	176GD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,666,339:00:0
557	98	268	21:44:23.400	117GC	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,666,339:77:0
558	98	268	21:44:32.733	117GC105A106A4A	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,340:00:0
559	98	268	21:46:03.400	117GC105A106A4B	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,341:45:0
560	98	268	21:46:14.733	117GC105A106A4C	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,341:62:0
561	98	268	21:47:45.400	117GC105A106A4D	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,343:16:0
562	98	268	21:47:56.733	117GC105A106A4E	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,343:33:0
563	98	268	21:49:27.400	117GC105A106A4F	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,344:78:0
564	98	268	21:49:38.733	117GC105A106A4G	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,345:04:0
565	98	268	21:51:09.400	117GC105A106A4H	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,346:49:0
566	98	268	21:51:20.733	117GC105A106A4I	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,346:66:0
567	98	268	21:52:51.400	117GC105A106A4J	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,348:20:0
568	98	268	21:53:02.733	117GC105A106A4K	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,348:37:0
569	98	268	21:54:33.400	117GC105A106A4L	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,349:82:0
570	98	268	21:54:44.733	117GC105A106A4M	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,350:08:0
571	98	268	21:56:06.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3503.84 +/-	2R3	4	0	4,666,351:40:0
572	98	268	21:56:06.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,666,351:40:0
573	98	268	21:56:13.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3503.84 +/-	2R3	4	0	4,666,351:50:0
574	98	268	21:56:14.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3503.96 +/-	2R3	4	0	4,666,351:52:1
575	98	268	21:56:15.400	117GC105A106A4N	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,351:53:0
576	98	268	21:56:26.733	117GC105A106A4O	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,351:70:0
577	98	268	21:56:32.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3508.01 +/-	2R3	4	0	4,666,351:78:0
578	98	268	21:56:54.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3513.32 +/-	2R3	4	0	4,666,352:21:0
579	98	268	21:56:54.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,352:21:0
580	98	268	21:56:55.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3513.38 +/-	2R3	4	0	4,666,352:22:8
581	98	268	21:57:57.400	117GC105A106A4P	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,353:24:0
582	98	268	21:58:08.733	117GC105A106A4Q	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,353:41:0
583	98	268	21:59:39.400	117GC105A106A4R	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,354:86:0
584	98	268	21:59:50.733	117GC105A106A4S	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,355:12:0
585	98	268	22:01:21.400	117GC105A106A4T	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,356:57:0
586	98	268	22:01:32.733	117GC105A106A4U	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,356:74:0
587	98	268	22:03:03.400	117GC105A106A4V	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,358:28:0
588	98	268	22:03:14.733	117GC105A106A4W	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,358:45:0
589	98	268	22:04:45.400	117GC105A106A4X	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,359:90:0
590	98	268	22:04:56.733	117GC105A106A4Y	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,360:16:0
591	98	268	22:06:27.400	117GC105A106A4Z	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,361:61:0
592	98	268	22:06:38.733	117GC105A106A4AA	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,361:78:0
593	98	268	22:08:09.400	117GC105A106A4AB	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,363:32:0
594	98	268	22:08:20.733	117GC105A106A4AC	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,363:49:0
595	98	268	22:09:08.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3513.38 +/-	2R3	4	0	4,666,364:30:0
596	98	268	22:09:08.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,666,364:30:0
597	98	268	22:09:15.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3513.38 +/-	2R3	4	0	4,666,364:40:0
598	98	268	22:09:16.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3513.50 +/-	2R3	4	0	4,666,364:42:1
599	98	268	22:09:34.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3517.55 +/-	2R3	4	0	4,666,364:68:0
600	98	268	22:09:51.400	117GC105A106A4AD	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,365:03:0
601	98	268	22:09:56.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3522.86 +/-	2R3	4	0	4,666,365:11:0
602	98	268	22:09:56.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,365:11:0
603	98	268	22:09:57.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3522.92 +/-	2R3	4	0	4,666,365:12:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	98	268	22:10:02.733	117GC105A106A4AE	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,365:20:0	
605	98	268	22:11:33.400	117GC105A106A4AF	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,366:65:0	
606	98	268	22:11:44.733	117GC105A106A4AG	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,366:82:0	
607	98	268	22:13:15.400	117GC105A106A4AH	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,368:36:0	
608	98	268	22:13:26.733	117GC105A106A4AI	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,368:53:0	
609	98	268	22:14:57.400	117GC105A106A4AJ	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,370:07:0	
610	98	268	22:15:08.733	117GC105A106A4AK	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,370:24:0	
611	98	268	22:16:39.400	117GC105A106A4AL	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,371:69:0	
612	98	268	22:16:50.733	117GC105A106A4AM	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,371:86:0	
613	98	268	22:18:21.400	117GC105A106A4AN	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,373:40:0	
614	98	268	22:18:32.733	117GC105A106A4AO	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,373:57:0	
615	98	268	22:20:03.400	117GC105A106A4AP	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,375:11:0	
616	98	268	22:20:14.733	117GC105A106A4AQ	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,375:28:0	
617	98	268	22:21:45.400	117GC105A106A4AR	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,376:73:0	
618	98	268	22:21:56.733	117GC105A106A4AS	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,376:90:0	
619	98	268	22:22:10.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,666,377:20:0	
620	98	268	22:22:10.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3522.92 +/-	2R3	4	0	4,666,377:20:0	
621	98	268	22:22:17.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3522.92 +/-	2R3	4	0	4,666,377:30:0	
622	98	268	22:22:18.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3523.04 +/-	2R3	4	0	4,666,377:32:1	
623	98	268	22:22:36.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3527.09 +/-	2R3	4	0	4,666,377:58:0	
624	98	268	22:22:58.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,378:01:0	
625	98	268	22:22:58.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3532.40 +/-	2R3	4	0	4,666,378:01:0	
626	98	268	22:22:59.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3532.46 +/-	2R3	4	0	4,666,378:02:8	
627	98	268	22:23:27.400	117GC105A106A4AT	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,378:44:0	
628	98	268	22:23:38.733	117GC105A106A4AU	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,378:61:0	
629	98	268	22:25:09.400	117GC105A106A4AV	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,380:15:0	
630	98	268	22:25:20.733	117GC105A106A4AW	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,380:32:0	
631	98	268	22:26:51.400	117GC105A106A4AX	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,381:77:0	
632	98	268	22:27:02.733	117GC105A106A4AY	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,382:03:0	
633	98	268	22:28:33.400	117GC105A106A4AZ	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,383:48:0	
634	98	268	22:28:44.733	117GC105A106A4BA	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,383:65:0	
635	98	268	22:30:15.400	117GC105A106A4BB	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,385:19:0	
636	98	268	22:30:26.733	117GC105A106A4BC	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,385:36:0	
637	98	268	22:31:57.400	117GC105A106A4BD	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,386:81:0	
638	98	268	22:32:08.733	117GC105A106A4BE	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,387:07:0	
639	98	268	22:33:39.400	117GC105A106A4BF	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,388:52:0	
640	98	268	22:33:50.733	117GC105A106A4BG	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,388:69:0	
641	98	268	22:35:13.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3532.46 +/-	2R3	4	0	4,666,390:11:0	
642	98	268	22:35:13.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,666,390:11:0	
643	98	268	22:35:20.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3532.46 +/-	2R3	4	0	4,666,390:21:0	
644	98	268	22:35:21.400	117GC105A106A4BH	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,390:23:0	
645	98	268	22:35:21.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3532.58 +/-	2R3	4	0	4,666,390:23:1	
646	98	268	22:35:32.733	117GC105A106A4BI	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,390:40:0	
647	98	268	22:35:38.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3536.47 +/-	2R3	4	0	4,666,390:48:0	
648	98	268	22:36:00.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,390:82:0	
649	98	268	22:36:00.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3541.78 +/-	2R3	4	0	4,666,390:82:0	
650	98	268	22:36:01.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3541.84 +/-	2R3	4	0	4,666,390:83:8	
651	**98**	**268**	**22:36:40.847**	**17NNGLOBAL01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
652	98	268	22:37:03.400	117GC105A106A4BJ	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,391:85:0	
653	98	268	22:37:14.733	117GC105A106A4BK	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,392:11:0	
654	98	268	22:38:45.400	117GC105A106A4BL	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,393:56:0	
655	98	268	22:38:56.733	117GC105A106A4BM	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,393:73:0	
656	98	268	22:40:27.400	117GC105A106A4BN	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,395:27:0	
657	98	268	22:40:38.733	117GC105A106A4BO	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,395:44:0	
658	98	268	22:42:09.400	117GC105A106A4BP	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,396:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	98	268	22:42:20.733	117GC105A106A4BQ	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,397:15:0	
660	98	268	22:43:51.400	117GC105A106A4BR	7STRP	-0.0072,0.050137	Slew =12.01	2R3	4	0	4,666,398:60:0	
661	98	268	22:44:02.733	117GC105A106A4BS	7STRP	0.009,-0.050056,	Slew =0,0.7	2R3	4	0	4,666,398:77:0	
662	98	268	22:45:33.400	117GC11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	4,666,400:31:0	
663	98	268	22:46:47.513	17ENGLOBAL01-		-----START------		2R3	4	0	: :	
664	98	268	22:46:47.513	17NNGLOBAL01-		-----STOP-------		2R3	4	0	: :	
665	98	268	22:47:14.066	176GD6B	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	4,666,402:00:0	
666	98	268	22:47:16.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,666,402:03:0	
667	98	268	22:47:16.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3541.84 +/-	2R3	4	0	4,666,402:03:0	
668	98	268	22:47:22.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3541.84 +/-	2R3	4	0	4,666,402:13:0	
669	98	268	22:47:24.133		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *3541.96 +/-	2R3	4	0	4,666,402:15:1	
670	98	268	22:47:26.066		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *3542.42 +/-	2R3	4	0	4,666,402:18:0	
671	98	268	22:47:46.733		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *3547.26 +/-	2R3	4	0	4,666,402:49:0	
672	98	268	22:47:46.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,666,402:49:0	
673	98	268	22:47:47.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3547.32 +/-	2R3	4	0	4,666,402:50:8	
674	98	268	22:49:30.066	20DD5A	37PL		Program Load (halts microprocessor & unwri	2R3	4	0	4,666,404:22:0	
675	98	268	22:49:31.400	20DD5B	37MRL		Memory Realocate (software operates from R	2R3	4	0	4,666,404:24:0	
676	98	268	22:49:33.400	20DD6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	2R3	4	0	4,666,404:27:0	
677	98	268	22:49:43.400	20DD6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	2R3	4	0	4,666,404:42:0	
678	98	268	22:49:56.733	20DD5C	37IRT		Instrument Reset (goes into POR state)	260	4	0	4,666,404:62:0	
679	98	268	22:50:00.066	20DD5D	37MN		Memory Normal (software operates from ROM)	260	4	0	4,666,404:67:0	
680	98	268	22:50:10.066	20DD4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	4,666,404:82:0	
681	98	268	22:51:16.066	165DD4A	7SCAN	NORM,276.917999,	Check S/P Position	2R0	4	0	4,666,405:90:0	
682	98	268	22:52:12.733	125DD4A	37IST	0,2,0,OFF,0,1,2	Gain State 3	3R0	4	0	4,666,406:84:0	
683	98	268	22:52:12.733	125DD	NIMSINIT	GS	##### GROUP START INIT	3R0	4	0	4,666,406:84:0	
684	98	268	22:53:13.400	125DD4B	37MB	0,0,0,0,0,0	Selects mirror (spatial) edit table	3R0	4	0	4,666,407:84:0	
685	98	268	22:53:13.400	125DD11A	NIMSINIT	GE	##### GROUP END INIT	3R0	4	0	4,666,407:84:0	
686	98	268	22:55:06.066	175DD422A6A	6DMSC	R28,1	DMS Control	3R0	4	0	4,666,409:71:0	
687	98	268	22:55:06.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3547.32 +/-	3R0	4	0	4,666,409:71:0	
688	98	268	22:55:10.066	117DD	CSMOS	GS	***** GROUP START CSMOS	3R0	4	0	4,666,409:77:0	
689	98	268	22:55:12.733		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 3547.32 +/-	3R0	4	0	4,666,409:81:0	
690	98	268	22:55:14.733	127DD4A	37IOP	3,0	Long Map, Grating Start Position =00	3R3	4	0	4,666,409:84:0	
691	98	268	22:55:14.733	127DD	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	4,666,409:84:0	
692	98	268	22:55:15.400	127DD4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	3R3	4	0	4,666,409:85:0	
693	98	268	22:55:16.066	175DD176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R3	4	0	4,666,409:86:0	
694	98	268	22:55:16.733		DMS:	: *RECORD	R28, TRACK 1, FWD, TIC *3548.82 +/-	3R3	4	0	4,666,409:87:0	
695	98	268	22:55:16.733		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 3548.82 +/-	3R3	4	0	4,666,409:87:0	
696	98	268	22:55:18.066	165DD4B	7VECT		Inert vect update UTC	3R3	4	0	4,666,409:89:0	
697	98	268	22:55:19.400	17ENGLOBAL01-	NIMPBK	301DD	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
698	98	268	22:55:19.400	117DD105A106A4A	7STRP	-0.020203,0.0,0,	Slew =,0.03	3R3	4	0	4,666,410:00:0	
699	98	268	22:55:23.400	127DD11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	4,666,410:06:0	
700	98	268	23:06:36.066	17ENGLOBAL01-	DESELC	300DD	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
701	98	268	23:06:36.066	117DD105A106A4B	7STRP	0.020003,-0.0073	Slew =12.01	3R3	4	0	4,666,421:14:0	
702	98	268	23:06:42.733	17ENGLOBAL01-	NIMPBK	301DP	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
703	98	268	23:06:42.733	117DD105A106A4C	7STRP	-0.020203,0.0,0,	Slew =,0.03	3R3	4	0	4,666,421:24:0	
704	98	268	23:14:12.666	17ENGLOBAL01-	NIMPBK	301DA	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
705	98	268	23:14:42.000	17ENGLOBAL01-	DESELC	300DA	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
706	98	268	23:16:31.333	17ENGLOBAL01-	NIMPBK	301DB	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
707	98	268	23:16:38.000	17ENGLOBAL01-	DESELC	300DB	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
708	98	268	23:17:59.400	117DD105A106A4D	7STRP	0.020003,-0.0073	Slew =12.01	3R3	4	0	4,666,432:38:0	
709	98	268	23:18:06.066	117DD105A106A4E	7STRP	-0.020203,0.0,0,	Slew =,0.03	3R3	4	0	4,666,432:48:0	
710	98	268	23:22:00.666	17ENGLOBAL01-	NIMPBK	301DC	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
711	98	268	23:23:10.000	17ENGLOBAL01-	DESELC	300DC	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
712	98	268	23:23:36.000	17ENGLOBAL01-	NIMPBK	301DR	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
713	98	268	23:23:51.000	17ENGLOBAL01-	DESELC	300DR	EUROPA GLOBAL MAPPING	3R3	4	0	: :	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
714	98	268	23:29:22.733	17ENGLOBAL01-	DESELC	300DP	EUROPA GLOBAL MAPPING	3R3	4	0	: :
715	98	268	23:29:22.733	117DD105A106A4F	7STRP	0.020003,-0.0073	Slew =12.01	3R3	4	0	4,666,443:62:0
716	98	268	23:29:29.400	117DD105A106A4G	7STRP	-0.020203,0.0,0,	Slew =,0.03	3R3	4	0	4,666,443:72:0
717	98	268	23:29:29.400	17ENGLOBAL01-	NIMPBK	301DQ	EUROPA GLOBAL MAPPING	3R3	4	0	: :
718	98	268	23:37:20.847	17ENGLOBAL01-		-----STOP-------		3R3	4	0	: :
719	98	268	23:40:14.733	17ENGLOBAL01-	DESELC	300DQ	EUROPA GLOBAL MAPPING	3R3	4	0	: :
720	98	268	23:40:16.733	175DD422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,454:42:0
721	98	268	23:40:16.733		DMS:	: *RUNDOWN	R28, TRACK 1, FWD, TIC *5921.87 +/-	3R3	4	0	4,666,454:42:0
722	98	268	23:40:17.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5922.17 +/-	3R3	4	0	4,666,454:43:8
723	98	268	23:40:46.066	117DD11A	CSMOS	GE	***** GROUP END CSMOS	3R3	4	0	4,666,454:86:0
724	98	269	00:00:00.066	481UA4A	7VECT		Inert vect update UTC	3R3	4	0	4,666,473:88:0
725	98	269	00:25:18.066	165GD4A	7SCAN	NORM,277.085999,	Check S/P Position	3R3	4	0	4,666,498:90:0
726	98	269	00:25:18.733	176GE6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	4,666,499:00:0
727	98	269	00:26:10.066	117GD	CSMOS	GS	***** GROUP START CSMOS	3R3	4	0	4,666,499:77:0
728	98	269	00:26:19.400	117GD105A106A4A	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,500:00:0
729	98	269	00:27:47.400	117GD105A106A4B	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,501:41:0
730	98	269	00:27:58.066	117GD105A106A4C	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,501:57:0
731	98	269	00:29:26.066	117GD105A106A4D	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,503:07:0
732	98	269	00:29:36.733	117GD105A106A4E	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,503:23:0
733	98	269	00:31:04.733	117GD105A106A4F	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,504:64:0
734	98	269	00:31:15.400	117GD105A106A4G	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,504:80:0
735	98	269	00:32:43.400	117GD105A106A4H	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,506:30:0
736	98	269	00:32:54.066	117GD105A106A4I	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,506:46:0
737	98	269	00:34:22.066	117GD105A106A4J	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,507:87:0
738	98	269	00:34:32.733	117GD105A106A4K	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,508:12:0
739	98	269	00:36:00.733	117GD105A106A4L	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,509:53:0
740	98	269	00:36:11.400	117GD105A106A4M	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,509:69:0
741	98	269	00:37:39.400	117GD105A106A4N	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,511:19:0
742	98	269	00:37:50.066	117GD105A106A4O	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,511:35:0
743	98	269	00:37:53.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5922.17 +/-	3R3	4	0	4,666,511:40:0
744	98	269	00:37:53.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,666,511:40:0
745	98	269	00:38:00.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5922.17 +/-	3R3	4	0	4,666,511:50:0
746	98	269	00:38:01.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5922.29 +/-	3R3	4	0	4,666,511:52:1
747	98	269	00:38:18.733		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *5926.33 +/-	3R3	4	0	4,666,511:78:0
748	98	269	00:38:41.400		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *5931.65 +/-	3R3	4	0	4,666,512:21:0
749	98	269	00:38:41.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,512:21:0
750	98	269	00:38:42.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5931.71 +/-	3R3	4	0	4,666,512:22:8
751	98	269	00:39:18.066	117GD105A106A4P	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,512:76:0
752	98	269	00:39:28.733	117GD105A106A4Q	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,513:01:0
753	98	269	00:40:56.733	117GD105A106A4R	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,514:42:0
754	98	269	00:41:07.400	117GD105A106A4S	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,514:58:0
755	98	269	00:42:35.400	117GD105A106A4T	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,516:08:0
756	98	269	00:42:46.066	117GD105A106A4U	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,516:24:0
757	98	269	00:44:14.066	117GD105A106A4V	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,517:65:0
758	98	269	00:44:24.733	117GD105A106A4W	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,517:81:0
759	98	269	00:45:52.733	117GD105A106A4X	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,519:31:0
760	98	269	00:46:03.400	117GD105A106A4Y	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,519:47:0
761	98	269	00:47:31.400	117GD105A106A4Z	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,520:88:0
762	98	269	00:47:42.066	117GD105A106A4AA	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,521:13:0
763	98	269	00:49:10.066	117GD105A106A4AB	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,522:54:0
764	98	269	00:49:20.733	117GD105A106A4AC	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,522:70:0
765	98	269	00:50:48.733	117GD105A106A4AD	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,524:20:0
766	98	269	00:50:55.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,666,524:30:0
767	98	269	00:50:55.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5931.71 +/-	3R3	4	0	4,666,524:30:0
768	98	269	00:50:59.400	117GD105A106A4AE	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,524:36:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
769	98	269	00:51:02.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5931.71 +/-	3R3	4	0	4,666,524:40:0
770	98	269	00:51:03.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5931.83 +/-	3R3	4	0	4,666,524:42:1
771	98	269	00:51:20.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5935.87 +/-	3R3	4	0	4,666,524:68:0
772	98	269	00:51:43.400	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,525:11:0
773	98	269	00:51:43.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5941.19 +/-	3R3	4	0	4,666,525:11:0
774	98	269	00:51:44.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5941.25 +/- 1	3R3	4	0	4,666,525:12:8
775	98	269	00:52:27.400	117GD105A106A4AF	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,525:77:0
776	98	269	00:52:38.066	117GD105A106A4AG	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,526:02:0
777	98	269	00:54:06.066	117GD105A106A4AH	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,527:43:0
778	98	269	00:54:16.733	117GD105A106A4AI	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,527:59:0
779	98	269	00:55:44.733	117GD105A106A4AJ	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,529:09:0
780	98	269	00:55:55.400	117GD105A106A4AK	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,529:25:0
781	98	269	00:57:23.400	117GD105A106A4AL	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,530:66:0
782	98	269	00:57:34.066	117GD105A106A4AM	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,530:82:0
783	98	269	00:59:02.066	117GD105A106A4AN	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,532:32:0
784	98	269	00:59:12.733	117GD105A106A4AO	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,532:48:0
785	98	269	01:00:40.733	117GD105A106A4AP	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,533:89:0
786	98	269	01:00:51.400	117GD105A106A4AQ	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,534:14:0
787	98	269	01:02:19.400	117GD105A106A4AR	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,535:55:0
788	98	269	01:02:30.066	117GD105A106A4AS	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,535:71:0
789	98	269	01:03:57.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5941.25 +/- 1	3R3	4	0	4,666,537:20:0
790	98	269	01:03:57.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,666,537:20:0
791	98	269	01:03:58.066	117GD105A106A4AT	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,537:21:0
792	98	269	01:04:04.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5941.25 +/- 1	3R3	4	0	4,666,537:30:0
793	98	269	01:04:05.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5941.37 +/- 1	3R3	4	0	4,666,537:32:1
794	98	269	01:04:08.733	117GD105A106A4AU	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,537:37:0
795	98	269	01:04:22.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5945.41 +/- 1	3R3	4	0	4,666,537:58:0
796	98	269	01:04:45.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,538:01:0
797	98	269	01:04:45.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5950.72 +/- 1	3R3	4	0	4,666,538:01:0
798	98	269	01:04:46.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5950.78 +/- 1	3R3	4	0	4,666,538:02:8
799	98	269	01:05:36.733	117GD105A106A4AV	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,538:78:0
800	98	269	01:05:47.400	117GD105A106A4AW	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,539:03:0
801	98	269	01:07:15.400	117GD105A106A4AX	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,540:44:0
802	98	269	01:07:26.066	117GD105A106A4AY	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,540:60:0
803	98	269	01:08:54.066	117GD105A106A4AZ	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,542:10:0
804	98	269	01:09:04.733	117GD105A106A4BA	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,542:26:0
805	98	269	01:10:32.733	117GD105A106A4BB	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,543:67:0
806	98	269	01:10:43.400	117GD105A106A4BC	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,543:83:0
807	98	269	01:12:11.400	117GD105A106A4BD	7STRP	0.00027,-0.00054	Slew =12.01	3R3	4	0	4,666,545:33:0
808	98	269	01:12:22.066	117GD105A106A4BE	7STRP	-0.03101,0.0,0,0	Slew =,0.37	3R3	4	0	4,666,545:49:0
809	98	269	01:13:50.066	117GD11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	4,666,546:90:0
810	98	269	01:14:51.400	176GE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	4,666,548:00:0
811	98	269	01:14:53.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5950.78 +/- 1	3R3	4	0	4,666,548:03:0
812	98	269	01:14:53.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,666,548:03:0
813	98	269	01:15:00.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5950.78 +/- 1	3R3	4	0	4,666,548:13:0
814	98	269	01:15:01.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5950.90 +/- 1	3R3	4	0	4,666,548:15:1
815	98	269	01:15:03.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5951.36 +/- 1	3R3	4	0	4,666,548:18:0
816	98	269	01:15:22.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5955.89 +/- 1	3R3	4	0	4,666,548:47:0
817	98	269	01:15:22.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,548:47:0
818	98	269	01:15:23.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5955.95 +/- 1	3R3	4	0	4,666,548:48:8
819	98	269	01:15:51.400	165GI4A	7SCAN	NORM,277.314999,	Check S/P Position	3R3	4	0	4,666,548:90:0
820	98	269	01:15:52.066	176GM6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	4,666,549:00:0
821	98	269	01:16:43.400	117GI	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	4,666,549:77:0
822	98	269	01:16:52.733	117GI105A106A4A	7STRP	0.024005,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,550:00:0
823	98	269	01:17:36.066	117GI105A106A4B	7STRP	0.0004,-0.0006,0	Slew =12.01	3R3	4	0	4,666,550:65:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	98	269	01:17:46.066	117GI105A106A4C	7STRP	0.024005,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,550:80:0	
825	98	269	01:18:29.400	117GI105A106A4D	7STRP	0.0004,-0.0006,0	Slew =12.01	3R3	4	0	4,666,551:54:0	
826	98	269	01:18:39.400	117GI105A106A4E	7STRP	0.024005,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,551:69:0	
827	98	269	01:19:22.733	117GI105A106A4F	7STRP	0.0004,-0.0006,0	Slew =12.01	3R3	4	0	4,666,552:43:0	
828	98	269	01:19:32.733	117GI105A106A4G	7STRP	0.024005,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,552:58:0	
829	98	269	01:20:16.066	117GI105A106A4H	7STRP	0.0004,-0.0006,0	Slew =12.01	3R3	4	0	4,666,553:32:0	
830	98	269	01:20:26.066	117GI105A106A4I	7STRP	0.024005,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,553:47:0	
831	98	269	01:21:09.400	117GI105A106A4J	7STRP	0.0004,-0.0006,0	Slew =12.01	3R3	4	0	4,666,554:21:0	
832	98	269	01:21:19.400	117GI105A106A4K	7STRP	0.024005,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,554:36:0	
833	98	269	01:22:02.733	117GI105A106A4L	7STRP	0.0004,-0.0006,0	Slew =12.01	3R3	4	0	4,666,555:10:0	
834	98	269	01:22:12.733	117GI105A106A4M	7STRP	0.024005,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,555:25:0	
835	98	269	01:22:56.066	117GI105A106B4A	7STRP	0.0035,-0.039022	Slew =12.01	3R3	4	0	4,666,555:90:0	
836	98	269	01:23:09.400	117GI105A106B4B	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,556:19:0	
837	98	269	01:23:50.733	117GI105A106C4A	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,556:81:0	
838	98	269	01:24:01.400	117GI105A106C4B	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,557:06:0	
839	98	269	01:24:42.733	117GI105A106C4C	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,557:68:0	
840	98	269	01:24:53.400	117GI105A106C4D	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,557:84:0	
841	98	269	01:25:34.733	117GI105A106C4E	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,558:55:0	
842	98	269	01:25:45.400	117GI105A106C4F	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,558:71:0	
843	98	269	01:26:26.733	117GI105A106C4G	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,559:42:0	
844	98	269	01:26:37.400	117GI105A106C4H	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,559:58:0	
845	98	269	01:27:18.733	117GI105A106C4I	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,560:29:0	
846	98	269	01:27:29.400	117GI105A106C4J	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,560:45:0	
847	98	269	01:28:10.733	117GI105A106C4K	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,561:16:0	
848	98	269	01:28:21.400	117GI105A106C4L	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,561:32:0	
849	98	269	01:28:26.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5955.95 +/- 1	3R3	4	0	4,666,561:40:0	
850	98	269	01:28:26.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,666,561:40:0	
851	98	269	01:28:33.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5955.95 +/- 1	3R3	4	0	4,666,561:50:0	
852	98	269	01:28:34.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5956.07 +/- 1	3R3	4	0	4,666,561:52:1	
853	98	269	01:28:52.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5960.12 +/- 1	3R3	4	0	4,666,561:78:0	
854	98	269	01:29:02.733	117GI105A106C4M	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,562:03:0	
855	98	269	01:29:13.400	117GI105A106C4N	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,562:19:0	
856	98	269	01:29:14.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5965.43 +/- 1	3R3	4	0	4,666,562:21:0	
857	98	269	01:29:14.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,562:21:0	
858	98	269	01:29:15.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5965.49 +/- 1	3R3	4	0	4,666,562:22:8	
859	98	269	01:29:54.733	117GI105A106C4O	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,562:81:0	
860	98	269	01:30:05.400	117GI105A106C4P	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,563:06:0	
861	98	269	01:30:46.733	117GI105A106C4Q	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,563:68:0	
862	98	269	01:30:57.400	117GI105A106C4R	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,563:84:0	
863	98	269	01:31:38.733	117GI105A106C4S	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,564:55:0	
864	98	269	01:31:49.400	117GI105A106C4T	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,564:71:0	
865	98	269	01:32:30.733	117GI105A106C4U	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,565:42:0	
866	98	269	01:32:41.400	117GI105A106C4V	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,565:58:0	
867	98	269	01:33:22.733	117GI105A106C4W	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,566:29:0	
868	98	269	01:33:33.400	117GI105A106C4X	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,566:45:0	
869	98	269	01:34:14.733	117GI105A106C4Y	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,567:16:0	
870	98	269	01:34:25.400	117GI105A106C4Z	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,567:32:0	
871	98	269	01:35:06.733	117GI105A106C4AA	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,568:03:0	
872	98	269	01:35:17.400	117GI105A106C4AB	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,568:19:0	
873	98	269	01:35:58.733	117GI105A106C4AC	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,568:81:0	
874	98	269	01:36:09.400	117GI105A106C4AD	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,569:06:0	
875	98	269	01:36:50.733	117GI105A106C4AE	7STRP	0.0001,-0.0005,0	Slew =12.01	3R3	4	0	4,666,569:68:0	
876	98	269	01:37:01.400	117GI105A106C4AF	7STRP	0.023004,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,569:84:0	
877	98	269	01:37:19.400	488AD6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	3R3	4	0	4,666,570:20:0	
878	98	269	01:37:42.733	117GI11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	4,666,570:55:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
879	98	269	01:39:07.400	176GM6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	4,666,572:00:0
880	98	269	01:39:09.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5965.49 +/- 1	3R3	4	0	4,666,572:03:0
881	98	269	01:39:09.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,666,572:03:0
882	98	269	01:39:16.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5965.49 +/- 1	3R3	4	0	4,666,572:13:0
883	98	269	01:39:17.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5965.61 +/- 1	3R3	4	0	4,666,572:15:1
884	98	269	01:39:19.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5966.06 +/- 1	3R3	4	0	4,666,572:18:0
885	98	269	01:39:38.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5970.59 +/- 1	3R3	4	0	4,666,572:47:0
886	98	269	01:39:38.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,572:47:0
887	98	269	01:39:39.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5970.65 +/- 1	3R3	4	0	4,666,572:48:8
888	98	269	01:40:08.066	465KB6A	6DMSC	RDY,2	DMS Control Tape stop	3R3	4	0	4,666,573:00:0
889	98	269	01:40:08.066		DMS:	: READY	RDY, TRACK *2, *REV, TIC 5970.65 +/- 1	3R3	4	0	4,666,573:00:0
890	98	269	01:42:08.733	165GE4A	7SCAN	NORM,278.23,-18.	Check S/P Position	3R3	4	0	4,666,574:90:0
891	98	269	01:42:09.400	176GF6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	4,666,575:00:0
892	98	269	01:43:00.733	117GE	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	4,666,575:77:0
893	98	269	01:43:08.733	165GE4B	7VECT		Inert vect update UTC	3R3	4	0	4,666,575:89:0
894	98	269	01:43:10.066	117GE105A106A4A	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,576:00:0
895	98	269	01:43:56.066	117GE105A106A4B	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,576:69:0
896	98	269	01:44:05.400	117GE105A106A4C	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,576:83:0
897	98	269	01:44:51.400	117GE105A106A4D	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,577:61:0
898	98	269	01:45:00.733	117GE105A106A4E	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,577:75:0
899	98	269	01:45:46.733	117GE105A106A4F	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,578:53:0
900	98	269	01:45:56.066	117GE105A106A4G	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,578:67:0
901	98	269	01:46:42.066	117GE105A106A4H	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,579:45:0
902	98	269	01:46:51.400	117GE105A106A4I	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,579:59:0
903	98	269	01:47:37.400	117GE105A106A4J	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,580:37:0
904	98	269	01:47:46.733	117GE105A106A4K	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,580:51:0
905	98	269	01:48:32.733	117GE105A106A4L	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,581:29:0
906	98	269	01:48:42.066	117GE105A106A4M	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,581:43:0
907	98	269	01:49:28.066	117GE105A106A4N	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,582:21:0
908	98	269	01:49:37.400	117GE105A106A4O	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,582:35:0
909	98	269	01:50:23.400	117GE105A106A4P	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,583:13:0
910	98	269	01:50:32.733	117GE105A106A4Q	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,583:27:0
911	98	269	01:51:18.733	117GE105A106A4R	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,584:05:0
912	98	269	01:51:28.066	117GE105A106A4S	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,584:19:0
913	98	269	01:52:14.066	117GE105A106A4T	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,584:88:0
914	98	269	01:52:15.400	488AD6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	3R3	4	0	4,666,584:90:0
915	98	269	01:52:23.400	117GE105A106A4U	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,585:11:0
916	98	269	01:53:09.400	117GE105A106A4V	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,585:80:0
917	98	269	01:53:18.733	117GE105A106A4W	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,586:03:0
918	98	269	01:53:20.733	488AD6C	6TMSED	NORM,GL5	Sci, Eng, and D/L Chan	3R3	4	0	4,666,586:06:0
919	98	269	01:53:21.400	282NE432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	3R3	4	0	4,666,586:07:0
920	98	269	01:53:22.066	282NE432A6A	6RTSL1		R/T Select of DDS and	3R3	4	0	4,666,586:08:0
921	98	269	01:54:04.733	117GE105A106A4X	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,586:72:0
922	98	269	01:54:14.066	117GE105A106A4Y	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,586:86:0
923	98	269	01:54:44.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5970.65 +/- 1	3R3	4	0	4,666,587:40:0
924	98	269	01:54:44.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,666,587:40:0
925	98	269	01:54:45.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5970.77 +/- 1	3R3	4	0	4,666,587:42:1
926	98	269	01:54:50.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5972.01 +/- 1	3R3	4	0	4,666,587:50:0
927	98	269	01:54:51.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5972.07 +/- 1	3R3	4	0	4,666,587:51:8
928	98	269	01:54:53.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5971.95 +/- 1	3R3	4	0	4,666,587:53:9
929	98	269	01:55:00.066	117GE105A106A4Z	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,587:64:0
930	98	269	01:55:09.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5968.18 +/- 1	3R3	4	0	4,666,587:78:0
931	98	269	01:55:09.400	117GE105A106A4AA	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,587:78:0
932	98	269	01:55:32.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5962.87 +/- 1	3R3	4	0	4,666,588:21:0
933	98	269	01:55:32.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,588:21:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	98	269	01:55:33.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5962.81 +/- 1	3R3	4	0	4,666,588:22:8	
935	98	269	01:55:55.400	117GE105A106A4AB	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,588:56:0	
936	98	269	01:56:04.733	117GE105A106A4AC	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,588:70:0	
937	98	269	01:56:50.733	117GE105A106A4AD	7STRP	0.00025,-0.0009,	Slew =12.01	3R3	4	0	4,666,589:48:0	
938	98	269	01:57:00.066	117GE105A106A4AE	7STRP	0.026006,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,589:62:0	
939	98	269	01:57:46.066	117GE105A106B4A	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,590:40:0	
940	98	269	01:57:55.400	117GE105A106B4B	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,590:54:0	
941	98	269	01:58:53.400	117GE105A106B4C	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,591:50:0	
942	98	269	01:59:02.733	117GE105A106B4D	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,591:64:0	
943	98	269	02:00:00.733	117GE105A106B4E	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,592:60:0	
944	98	269	02:00:10.066	117GE105A106B4F	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,592:74:0	
945	98	269	02:01:08.066	117GE105A106B4G	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,593:70:0	
946	98	269	02:01:17.400	117GE105A106B4H	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,593:84:0	
947	98	269	02:02:15.400	117GE105A106B4I	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,594:80:0	
948	98	269	02:02:24.733	117GE105A106B4J	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,595:03:0	
949	98	269	02:03:22.733	117GE105A106B4K	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,595:90:0	
950	98	269	02:03:32.066	117GE105A106B4L	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,596:13:0	
951	98	269	02:04:30.066	117GE105A106B4M	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,597:09:0	
952	98	269	02:04:39.400	117GE105A106B4N	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,597:23:0	
953	98	269	02:05:37.400	117GE105A106B4O	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,598:19:0	
954	98	269	02:05:46.733	117GE105A106B4P	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,598:33:0	
955	98	269	02:06:44.733	117GE105A106B4Q	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,599:29:0	
956	98	269	02:06:54.066	117GE105A106B4R	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,599:43:0	
957	98	269	02:07:46.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5962.81 +/- 1	3R3	4	0	4,666,600:30:0	
958	98	269	02:07:46.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,666,600:30:0	
959	98	269	02:07:47.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5962.93 +/- 1	3R3	4	0	4,666,600:32:1	
960	98	269	02:07:52.066	117GE105A106B4S	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,600:39:0	
961	98	269	02:07:52.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5964.16 +/- 1	3R3	4	0	4,666,600:40:0	
962	98	269	02:07:53.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5964.22 +/- 1	3R3	4	0	4,666,600:41:8	
963	98	269	02:07:55.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5964.10 +/- 1	3R3	4	0	4,666,600:43:9	
964	98	269	02:08:01.400	117GE105A106B4T	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,600:53:0	
965	98	269	02:08:11.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5960.34 +/- 1	3R3	4	0	4,666,600:68:0	
966	98	269	02:08:34.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5955.03 +/- 1	3R3	4	0	4,666,601:11:0	
967	98	269	02:08:34.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,601:11:0	
968	98	269	02:08:35.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5954.97 +/- 1	3R3	4	0	4,666,601:12:8	
969	98	269	02:08:59.400	117GE105A106B4U	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,601:49:0	
970	98	269	02:09:08.733	117GE105A106B4V	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,601:63:0	
971	98	269	02:10:06.733	117GE105A106B4W	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,602:59:0	
972	98	269	02:10:16.066	117GE105A106B4X	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,602:73:0	
973	98	269	02:11:14.066	117GE105A106B4Y	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,603:69:0	
974	98	269	02:11:23.400	117GE105A106B4Z	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,603:83:0	
975	98	269	02:12:21.400	117GE105A106B4AA	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,604:79:0	
976	98	269	02:12:30.733	117GE105A106B4AB	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,605:02:0	
977	98	269	02:13:28.733	117GE105A106B4AC	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,605:89:0	
978	98	269	02:13:38.066	117GE105A106B4AD	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,606:12:0	
979	98	269	02:14:36.066	117GE105A106B4AE	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,607:08:0	
980	98	269	02:14:45.400	117GE105A106B4AF	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,607:22:0	
981	98	269	02:15:43.400	117GE105A106B4AG	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,608:18:0	
982	98	269	02:15:52.733	117GE105A106B4AH	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,608:32:0	
983	98	269	02:16:50.733	117GE105A106B4AI	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,609:28:0	
984	98	269	02:17:00.066	117GE105A106B4AJ	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,609:42:0	
985	98	269	02:17:58.066	117GE105A106B4AK	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,610:38:0	
986	98	269	02:18:07.400	117GE105A106B4AL	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,610:52:0	
987	98	269	02:19:05.400	117GE105A106B4AM	7STRP	0.0002,-0.0011,0	Slew =12.01	3R3	4	0	4,666,611:48:0	
988	98	269	02:19:14.733	117GE105A106B4AN	7STRP	0.033012,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,611:62:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
989	98	269	02:20:12.733	117GE105A106C4A	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,612:58:0
990	98	269	02:20:23.400	117GE105A106C4B	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,612:74:0
991	98	269	02:20:48.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5954.97 +/- 1	3R3	4	0	4,666,613:20:0
992	98	269	02:20:48.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,666,613:20:0
993	98	269	02:20:49.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5955.09 +/- 1	3R3	4	0	4,666,613:22:1
994	98	269	02:20:54.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5956.32 +/- 1	3R3	4	0	4,666,613:30:0
995	98	269	02:20:55.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5956.38 +/- 1	3R3	4	0	4,666,613:31:8
996	98	269	02:20:57.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5956.26 +/- 1	3R3	4	0	4,666,613:33:9
997	98	269	02:21:13.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5952.49 +/- 1	3R3	4	0	4,666,613:58:0
998	98	269	02:21:28.066	117GE105A106C4C	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,613:80:0
999	98	269	02:21:36.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5947.18 +/- 1	3R3	4	0	4,666,614:01:0
1000	98	269	02:21:36.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,614:01:0
1001	98	269	02:21:37.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5947.12 +/- 1	3R3	4	0	4,666,614:02:8
1002	98	269	02:21:38.733	117GE105A106C4D	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,614:05:0
1003	98	269	02:22:43.400	117GE105A106C4E	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,615:11:0
1004	98	269	02:22:54.066	117GE105A106C4F	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,615:27:0
1005	98	269	02:23:58.733	117GE105A106C4G	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,616:33:0
1006	98	269	02:24:09.400	117GE105A106C4H	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,616:49:0
1007	98	269	02:25:14.066	117GE105A106C4I	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,617:55:0
1008	98	269	02:25:24.733	117GE105A106C4J	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,617:71:0
1009	98	269	02:26:29.400	117GE105A106C4K	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,618:77:0
1010	98	269	02:26:40.066	117GE105A106C4L	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,619:02:0
1011	98	269	02:27:44.733	117GE105A106C4M	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,620:08:0
1012	98	269	02:27:55.400	117GE105A106C4N	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,620:24:0
1013	98	269	02:29:00.066	117GE105A106C4O	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,621:30:0
1014	98	269	02:29:10.733	117GE105A106C4P	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,621:46:0
1015	98	269	02:30:15.400	117GE105A106C4Q	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,622:52:0
1016	98	269	02:30:26.066	117GE105A106C4R	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,622:68:0
1017	98	269	02:31:30.733	117GE105A106C4S	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,623:74:0
1018	98	269	02:31:41.400	117GE105A106C4T	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,623:90:0
1019	98	269	02:32:30.733	488AD6D	6TMSED	FILL,GL5	Sci, Eng, and D/L Chan	3R3	4	0	4,666,624:73:0
1020	98	269	02:32:46.066	117GE105A106C4U	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,625:05:0
1021	98	269	02:32:56.733	117GE105A106C4V	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,625:21:0
1022	98	269	02:33:50.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5947.12 +/- 1	3R3	4	0	4,666,626:11:0
1023	98	269	02:33:50.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,666,626:11:0
1024	98	269	02:33:52.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5947.24 +/- 1	3R3	4	0	4,666,626:13:1
1025	98	269	02:33:57.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5948.48 +/- 1	3R3	4	0	4,666,626:21:0
1026	98	269	02:33:58.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5948.54 +/- 1	3R3	4	0	4,666,626:22:8
1027	98	269	02:34:00.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5948.42 +/- 1	3R3	4	0	4,666,626:24:9
1028	98	269	02:34:01.400	117GE105A106C4W	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,626:27:0
1029	98	269	02:34:12.066	117GE105A106C4X	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,626:43:0
1030	98	269	02:34:15.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5944.81 +/- 1	3R3	4	0	4,666,626:48:0
1031	98	269	02:34:38.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5939.49 +/- 1	3R3	4	0	4,666,626:82:0
1032	98	269	02:34:38.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,626:82:0
1033	98	269	02:34:39.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5939.43 +/- 1	3R3	4	0	4,666,626:83:8
1034	98	269	02:35:16.733	117GE105A106C4Y	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,627:49:0
1035	98	269	02:35:27.400	117GE105A106C4Z	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,627:65:0
1036	98	269	02:36:32.066	117GE105A106C4AA	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,628:71:0
1037	98	269	02:36:42.733	117GE105A106C4AB	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,628:87:0
1038	98	269	02:37:47.400	117GE105A106C4AC	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,630:02:0
1039	98	269	02:37:58.066	117GE105A106C4AD	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,630:18:0
1040	98	269	02:39:02.733	117GE105A106C4AE	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,631:24:0
1041	98	269	02:39:13.400	117GE105A106C4AF	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,631:40:0
1042	98	269	02:40:18.066	117GE105A106C4AG	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,632:46:0
1043	98	269	02:40:28.733	117GE105A106C4AH	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,632:62:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1044	98	269	02:41:33.400	117GE105A106C4AI	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,633:68:0
1045	98	269	02:41:44.066	117GE105A106C4AJ	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,633:84:0
1046	98	269	02:42:48.733	117GE105A106C4AK	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,634:90:0
1047	98	269	02:42:59.400	117GE105A106C4AL	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,635:15:0
1048	98	269	02:44:04.066	117GE105A106C4AM	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,636:21:0
1049	98	269	02:44:14.733	117GE105A106C4AN	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,636:37:0
1050	98	269	02:45:19.400	117GE105A106C4AO	7STRP	0.0002,-0.0014,0	Slew =12.01	3R3	4	0	4,666,637:43:0
1051	98	269	02:45:30.066	117GE105A106C4AP	7STRP	0.036817,0.0,0,0	Slew =,0.61	3R3	4	0	4,666,637:59:0
1052	98	269	02:46:34.733	117GE11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	4,666,638:65:0
1053	98	269	02:46:35.400	176GF6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	4,666,638:66:0
1054	98	269	02:46:37.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5939.43 +/- 1	3R3	4	0	4,666,638:69:0
1055	98	269	02:46:37.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	4,666,638:69:0
1056	98	269	02:46:38.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5939.55 +/- 1	3R3	4	0	4,666,638:71:1
1057	98	269	02:46:44.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5940.79 +/- 1	3R3	4	0	4,666,638:79:0
1058	98	269	02:46:45.266		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5940.85 +/- 1	3R3	4	0	4,666,638:80:8
1059	98	269	02:46:46.666		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5940.73 +/- 1	3R3	4	0	4,666,638:82:9
1060	98	269	02:46:47.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5940.56 +/- 1	3R3	4	0	4,666,638:84:0
1061	98	269	02:47:08.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5935.56 +/- 1	3R3	4	0	4,666,639:25:0
1062	98	269	02:47:08.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,639:25:0
1063	98	269	02:47:09.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5935.50 +/- 1	3R3	4	0	4,666,639:26:8
1064	98	269	02:48:47.400	165IF4A	7SCAN	NORM,282.693996,	Check S/P Position	3R3	4	0	4,666,640:82:0
1065	98	269	02:48:57.400	118IF	**SMOS**	GS		3R3	4	0	4,666,641:06:0
1066	98	269	02:49:16.733	175IF422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	3R3	4	0	4,666,641:35:0
1067	98	269	02:49:16.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5935.50 +/- 1	3R3	4	0	4,666,641:35:0
1068	98	269	02:49:18.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5935.62 +/- 1	3R3	4	0	4,666,641:37:1
1069	98	269	02:49:23.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5936.85 +/- 1	3R3	4	0	4,666,641:45:0
1070	98	269	02:49:24.600		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *5936.91 +/- 1	3R3	4	0	4,666,641:46:8
1071	98	269	02:49:26.733	165IF4B	7VECT		Inert vect update UTC	3R3	4	0	4,666,641:50:0
1072	98	269	02:49:29.400	175IF176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	4,666,641:54:0
1073	98	269	02:49:29.866		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *5870.91 +/- 1	3R3	4	0	4,666,641:54:7
1074	98	269	02:49:29.866		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 5870.91 +/- 1	3R3	4	0	4,666,641:54:7
1075	98	269	02:49:30.066	118IF110A111A4A	7STRP	0.001,-0.00731,2	Slew =,3.71	3R3	4	0	4,666,641:55:0
1076	98	269	02:49:38.733	118IF110A111B4A	7STRP	-0.00731,0.0,0,0	Slew =,3.51	3R3	4	0	4,666,641:68:0
1077	98	269	02:49:47.400	118IF110A111B4B	7STRP	0.001,-0.00731,2	Slew =,3.71	3R3	4	0	4,666,641:81:0
1078	98	269	02:50:13.400	118IF11A	**SMOS**	GE		3R3	4	0	4,666,642:29:0
1079	98	269	02:50:14.066	116IF4A	7STRP	-0.00731,-0.0057	Slew =,3.51	3R3	4	0	4,666,642:30:0
1080	98	269	02:50:22.066	116JF4A	7STRP	0.00731,-0.00161	Slew =,3.51	3R3	4	0	4,666,642:42:0
1081	98	269	02:50:30.733	116JD4A	7STRP	-0.0004,-0.00731	Slew =,3.71	3R3	4	0	4,666,642:55:0
1082	98	269	02:50:39.400	116JE4A	7STRP	-0.0012,-0.00731	Slew =,3.71	3R3	4	0	4,666,642:68:0
1083	98	269	02:50:48.066	116JI4A	7STRP	-0.0012,-0.00731	Slew =,3.71	3R3	4	0	4,666,642:81:0
1084	98	269	02:50:56.733	116JJ4A	7STRP	-0.0012,-0.00731	Slew =,3.71	3R3	4	0	4,666,643:03:0
1085	98	269	02:51:05.400	116JK4A	7STRP	-0.0004,-0.00731	Slew =,3.71	3R3	4	0	4,666,643:16:0
1086	98	269	02:51:14.066	116JM4A	7STRP	-0.0004,-0.00731	Slew =,3.71	3R3	4	0	4,666,643:29:0
1087	98	269	02:51:22.733	116JS4A	7STRP	0.001,-0.00731,0	Slew =,3.51	3R3	4	0	4,666,643:42:0
1088	98	269	02:51:31.400	116JQ4A	7STRP	-0.00731,-0.002,	Slew =,3.51	3R3	4	0	4,666,643:55:0
1089	98	269	02:51:40.066	116JR4A	7STRP	-0.00731,0.003,0	Slew =,3.51	3R3	4	0	4,666,643:68:0
1090	98	269	02:51:48.733	116JP4A	7STRP	-0.0065,0.0068,0	Slew =,3.51	3R3	4	0	4,666,643:81:0
1091	98	269	02:51:57.400	116JA4A	7STRP	-0.00731,-0.001,	Slew =,3.51	3R3	4	0	4,666,644:03:0
1092	98	269	02:52:12.733	175IF422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,644:26:0
1093	98	269	02:52:12.733		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *1862.86 +/- 1	3R3	4	0	4,666,644:26:0
1094	98	269	02:52:15.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1851.36 +/- 1	3R3	4	0	4,666,644:30:1
1095	98	269	02:52:22.733	165IG4A	7SCAN	NORM,283.393997,	Check S/P Position	3R3	4	0	4,666,644:41:0
1096	98	269	02:53:00.066	118IG	**SMOS**	GS		3R3	4	0	4,666,645:06:0
1097	98	269	02:53:20.733	175IG422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	3R3	4	0	4,666,645:37:0
1098	98	269	02:53:20.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1851.36 +/- 1	3R3	4	0	4,666,645:37:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	98	269	02:53:22.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1851.48 +/- 1	3R3	4	0	4,666,645:39:1	
1100	98	269	02:53:27.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1852.72 +/- 1	3R3	4	0	4,666,645:47:0	
1101	98	269	02:53:28.600		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC *1852.78 +/- 1	3R3	4	0	4,666,645:48:8	
1102	98	269	02:53:29.400	165IG4B	7VECT		Inert vect update UTC	3R3	4	0	4,666,645:50:0	
1103	98	269	02:53:32.066	175IG176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	4,666,645:54:0	
1104	98	269	02:53:32.466		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC *1829.78 +/- 1	3R3	4	0	4,666,645:54:6	
1105	98	269	02:53:32.466		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 1829.78 +/- 1	3R3	4	0	4,666,645:54:6	
1106	98	269	02:53:32.733	118IG110A111A4A	7STRP	0.001,-0.00731,2	Slew =,3.71	3R3	4	0	4,666,645:55:0	
1107	98	269	02:53:50.066	118IG11A	**SMOS**	GE		3R3	4	0	4,666,645:81:0	
1108	98	269	02:53:50.733	116IZ4A	7STRP	0.0,-0.00731,0,0	Slew =,3.71	3R3	4	0	4,666,645:82:0	
1109	98	269	02:53:58.733	116IG4A	7STRP	-0.0005,-0.00731	Slew =,3.71	3R3	4	0	4,666,646:03:0	
1110	98	269	02:54:07.400	116JG4A	7STRP	-0.00125,-0.0073	Slew =,3.71	3R3	4	0	4,666,646:16:0	
1111	98	269	02:54:16.066	116JX4A	7STRP	-0.00125,-0.0073	Slew =,3.71	3R3	4	0	4,666,646:29:0	
1112	98	269	02:54:24.733	116JY4A	7STRP	-0.0014,-0.00731	Slew =,3.71	3R3	4	0	4,666,646:42:0	
1113	98	269	02:54:33.400	116JZ4A	7STRP	-0.0004,-0.00731	Slew =,3.71	3R3	4	0	4,666,646:55:0	
1114	98	269	02:54:48.733	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,646:78:0	
1115	98	269	02:54:48.733		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC * 891.34 +/- 1	3R3	4	0	4,666,646:78:0	
1116	98	269	02:54:51.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 887.34 +/- 1	3R3	4	0	4,666,646:82:1	
1117	98	269	02:55:05.400	165IH4A	7SCAN	NORM,282.723999,	Check S/P Position	3R3	4	0	4,666,647:12:0	
1118	98	269	02:55:56.733	175IH422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	3R3	4	0	4,666,647:89:0	
1119	98	269	02:55:56.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 887.34 +/- 1	3R3	4	0	4,666,647:89:0	
1120	98	269	02:55:58.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 887.46 +/- 1	3R3	4	0	4,666,648:00:1	
1121	98	269	02:56:03.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 888.70 +/- 1	3R3	4	0	4,666,648:08:0	
1122	98	269	02:56:04.600		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC * 888.76 +/- 1	3R3	4	0	4,666,648:09:8	
1123	98	269	02:56:05.400	165IH4B	7VECT		Inert vect update UTC	3R3	4	0	4,666,648:11:0	
1124	98	269	02:56:08.066	175IH176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	4,666,648:15:0	
1125	98	269	02:56:08.466		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC * 865.76 +/- 1	3R3	4	0	4,666,648:15:6	
1126	98	269	02:56:08.466		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 865.76 +/- 2	3R3	4	0	4,666,648:15:6	
1127	98	269	02:56:08.733	116IH4A	7STRP	-0.0061,-0.00036	Slew =0,3.1	3R3	4	0	4,666,648:16:0	
1128	98	269	02:56:12.066	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,648:21:0	
1129	98	269	02:56:12.066		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC * 821.46 +/- 2	3R3	4	0	4,666,648:21:0	
1130	98	269	02:56:14.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 817.46 +/- 2	3R3	4	0	4,666,648:25:1	
1131	98	269	02:57:23.400	175JW422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	3R3	4	0	4,666,649:37:0	
1132	98	269	02:57:23.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 817.46 +/- 2	3R3	4	0	4,666,649:37:0	
1133	98	269	02:57:24.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 817.58 +/- 2	3R3	4	0	4,666,649:39:1	
1134	98	269	02:57:30.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 818.81 +/- 2	3R3	4	0	4,666,649:47:0	
1135	98	269	02:57:31.266		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC * 818.87 +/- 2	3R3	4	0	4,666,649:48:8	
1136	98	269	02:57:34.733	175JW176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	4,666,649:54:0	
1137	98	269	02:57:35.133		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 795.87 +/- 2	3R3	4	0	4,666,649:54:6	
1138	98	269	02:57:35.133		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC * 795.87 +/- 2	3R3	4	0	4,666,649:54:6	
1139	98	269	02:57:35.400	116JH4A	7STRP	-0.0061,0.00025,	Slew =0,3.1	3R3	4	0	4,666,649:55:0	
1140	98	269	02:57:38.733	175JW422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,649:60:0	
1141	98	269	02:57:38.733		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC * 751.58 +/- 2	3R3	4	0	4,666,649:60:0	
1142	98	269	02:57:41.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 747.58 +/- 2	3R3	4	0	4,666,649:64:1	
1143	98	269	02:58:50.066	175JX422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	3R3	4	0	4,666,650:76:0	
1144	98	269	02:58:50.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 747.58 +/- 2	3R3	4	0	4,666,650:76:0	
1145	98	269	02:58:51.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 747.70 +/- 2	3R3	4	0	4,666,650:78:1	
1146	98	269	02:58:56.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 748.93 +/- 2	3R3	4	0	4,666,650:86:0	
1147	98	269	02:58:57.933		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC * 748.99 +/- 2	3R3	4	0	4,666,650:87:8	
1148	98	269	02:59:01.400	175JX176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	4,666,651:02:0	
1149	98	269	02:59:01.800		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 725.99 +/- 2	3R3	4	0	4,666,651:02:6	
1150	98	269	02:59:01.800		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC * 725.99 +/- 2	3R3	4	0	4,666,651:02:6	
1151	98	269	02:59:02.066	116JW4A	7STRP	-0.0061,-0.00141	Slew =0,3.1	3R3	4	0	4,666,651:03:0	
1152	98	269	02:59:05.400		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC * 681.69 +/- 2	3R3	4	0	4,666,651:08:0	
1153	98	269	02:59:05.400	175JX422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,651:08:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	98	269	02:59:08.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 677.69 +/- 3	3R3	4	0	4,666,651:12:1	
1155	98	269	03:00:00.066	481UB4A	7VECT	BB2	Inert vect update UTC	3R3	4	0	4,666,651:90:0	
1156	98	269	03:00:16.733	175JY422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	3R3	4	0	4,666,652:24:0	
1157	98	269	03:00:16.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 677.69 +/- 3	3R3	4	0	4,666,652:24:0	
1158	98	269	03:00:18.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 677.81 +/- 3	3R3	4	0	4,666,652:26:1	
1159	98	269	03:00:23.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 679.05 +/- 3	3R3	4	0	4,666,652:34:0	
1160	98	269	03:00:24.600		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC * 679.11 +/- 3	3R3	4	0	4,666,652:35:8	
1161	98	269	03:00:28.066	175JY176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	4,666,652:41:0	
1162	98	269	03:00:28.466		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC * 656.11 +/- 3	3R3	4	0	4,666,652:41:6	
1163	98	269	03:00:28.466		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 656.11 +/- 3	3R3	4	0	4,666,652:41:6	
1164	98	269	03:00:28.733	116JN4A	7STRP	-0.0061,-0.0021,	Slew =0,3.1	3R3	4	0	4,666,652:42:0	
1165	98	269	03:00:32.066	175JY422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,652:47:0	
1166	98	269	03:00:32.066		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC * 611.81 +/- 3	3R3	4	0	4,666,652:47:0	
1167	98	269	03:00:34.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 607.81 +/- 3	3R3	4	0	4,666,652:51:1	
1168	**98**	**269**	**03:01:35.513**	**17NNSUCOMP01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1169	98	269	03:01:43.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 607.81 +/- 3	3R3	4	0	4,666,653:63:0	
1170	98	269	03:01:43.400	175JZ422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	3R3	4	0	4,666,653:63:0	
1171	98	269	03:01:44.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 607.93 +/- 3	3R3	4	0	4,666,653:65:1	
1172	98	269	03:01:50.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 609.17 +/- 3	3R3	4	0	4,666,653:73:0	
1173	98	269	03:01:51.266		DMS:	: *RUNUP	R403, TRACK *2, *REV, TIC * 609.23 +/- 3	3R3	4	0	4,666,653:74:8	
1174	98	269	03:01:54.733	175JZ176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	4,666,653:80:0	
1175	98	269	03:01:55.133		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 586.23 +/- 3	3R3	4	0	4,666,653:80:6	
1176	98	269	03:01:55.133		DMS:	**: *RECORD**	R403, TRACK 2, REV, TIC * 586.23 +/- 3	3R3	4	0	4,666,653:80:6	
1177	98	269	03:01:58.733		DMS:	**: *RUNDOWN**	R403, TRACK 2, REV, TIC * 541.93 +/- 3	3R3	4	0	4,666,653:86:0	
1178	98	269	03:01:58.733	175JZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,653:86:0	
1179	98	269	03:02:01.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 537.93 +/- 3	3R3	4	0	4,666,653:90:1	
1180	98	269	03:02:12.066	165II4A	7SCAN	NORM,282.825996,	Check S/P Position	3R3	4	0	4,666,654:15:0	
1181	98	269	03:03:10.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 537.93 +/- 3	3R3	4	0	4,666,655:11:0	
1182	98	269	03:03:10.066	175II422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	3R3	4	0	4,666,655:11:0	
1183	98	269	03:03:11.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 538.05 +/- 3	3R3	4	0	4,666,655:13:1	
1184	98	269	03:03:16.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 539.28 +/- 3	3R3	4	0	4,666,655:21:0	
1185	98	269	03:03:17.933		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC * 539.34 +/- 3	3R3	4	0	4,666,655:22:8	
1186	98	269	03:03:18.733	165II4B	7VECT		Inert vect update UTC	3R3	4	0	4,666,655:24:0	
1187	98	269	03:03:21.400	175II176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	3R3	4	0	4,666,655:28:0	
1188	98	269	03:03:21.933		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC * 533.04 +/- 3	3R3	4	0	4,666,655:28:8	
1189	98	269	03:03:21.933		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 533.04 +/- 3	3R3	4	0	4,666,655:28:8	
1190	98	269	03:03:54.733	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	4,666,655:78:0	
1191	98	269	03:03:54.733		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC * 417.73 +/- 3	3R3	4	0	4,666,655:78:0	
1192	98	269	03:03:55.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 416.73 +/- 3	3R3	4	0	4,666,655:79:8	
1193	98	269	03:04:04.733	165IJ4A	7SCAN	NORM,283.125999,	Check S/P Position	3R3	4	0	4,666,656:02:0	
1194	**98**	**269**	**03:04:07.400**	**20DE5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**3R3**	**4**	**0**	**4,666,656:06:0**	
1195	**98**	**269**	**03:04:08.733**	**20DE5B**	**37MRL**		**Memory Realocate (software operates from R**	**3R3**	**4**	**0**	**4,666,656:08:0**	
1196	**98**	**269**	**03:04:10.066**	**20DE6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**3R3**	**4**	**0**	**4,666,656:10:0**	
1197	**98**	**269**	**03:04:20.066**	**20DE6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**3R3**	**4**	**0**	**4,666,656:25:0**	
1198	**98**	**269**	**03:04:30.066**	**20DE5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,666,656:40:0**	
1199	**98**	**269**	**03:04:50.066**	**20DE5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,666,656:70:0**	
1200	**98**	**269**	**03:04:58.066**	**20DE4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,666,656:82:0**	
1201	98	269	03:05:02.733	175IJ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	4,666,656:89:0	
1202	98	269	03:05:02.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 416.73 +/- 3	2R0	4	0	4,666,656:89:0	
1203	98	269	03:05:04.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 416.85 +/- 3	2R0	4	0	4,666,657:00:1	
1204	98	269	03:05:09.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 418.08 +/- 3	2R0	4	0	4,666,657:08:0	
1205	98	269	03:05:10.600		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC * 418.14 +/- 3	2R0	4	0	4,666,657:09:8	
1206	98	269	03:05:11.400	165IJ4B	7VECT		Inert vect update UTC	2R0	4	0	4,666,657:11:0	
1207	98	269	03:05:14.066	175IJ176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R0	4	0	4,666,657:15:0	
1208	98	269	03:05:14.600		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 411.84 +/- 4	2R0	4	0	4,666,657:15:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1209	98	269	03:05:14.600		DMS:	: *RECORD	R115, TRACK 2, REV, TIC * 411.84 +/- 3	2R0	4	0	4,666,657:15:8
1210	98	269	03:05:56.066	175IJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,666,657:78:0
1211	98	269	03:05:56.066		DMS:	: *RUNDOWN	R115, TRACK 2, REV, TIC * 266.06 +/- 4	2R0	4	0	4,666,657:78:0
1212	98	269	03:05:57.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 265.06 +/- 4	2R0	4	0	4,666,657:79:8
1213	98	269	03:06:36.733	488AD6E	6TMSED	NORM,GL5	Sci, Eng, and D/L Chan	2R0	4	0	4,666,658:48:0
1214	**98**	**269**	**03:07:00.733**	**125DE4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,666,658:84:0**
1215	98	269	03:07:00.733	125DE	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,666,658:84:0
1216	98	269	03:07:59.400	465KC6A	6DTRN	CMD,6DTRN,465KC6	DMS TRACK TURNAROUND	4R0	4	0	4,666,659:81:0
1217	98	269	03:07:59.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 265.06 +/- 4	4R0	4	0	4,666,659:81:0
1218	98	269	03:07:59.400		DMS:	: *DMS-TURN	P7, TRACK 2, REV, TIC 265.06 +/- 4	4R0	4	0	4,666,659:81:0
1219	98	269	03:08:00.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 265.18 +/- 4	4R0	4	0	4,666,659:83:1
1220	**98**	**269**	**03:08:01.400**	**125DE4B**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**4,666,659:84:0**
1221	98	269	03:08:01.400	125DE11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,666,659:84:0
1222	98	269	03:08:06.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 266.42 +/- 4	4R0	4	0	4,666,660:00:0
1223	98	269	03:08:07.266		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC * 266.48 +/- 4	4R0	4	0	4,666,660:01:8
1224	98	269	03:08:08.666		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC * 266.36 +/- 4	4R0	4	0	4,666,660:03:9
1225	**98**	**269**	**03:10:02.733**	**127DE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,666,661:84:0**
1226	98	269	03:10:02.733	127DE	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,666,661:84:0
1227	**98**	**269**	**03:10:03.400**	**127DE4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,666,661:85:0**
1228	98	269	03:10:11.400	127DE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,666,662:06:0
1229	**98**	**269**	**03:11:42.180**	**17NNSUCOMP01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
1230	**98**	**269**	**03:11:42.180**	**17ENSUCOMP01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
1231	98	269	03:12:52.266		DMS:	: *REVERSE	P7, TRACK 2, REV, TIC * 199.87 +/- 4	4R3	4	0	4,666,664:65:3
1232	98	269	03:12:53.466		DMS:	: *RUNUP	P7, TRACK 3, FWD, TIC 199.81 +/- 4	4R3	4	0	4,666,664:67:1
1233	98	269	03:12:53.466		DMS:	: *TURNARND	P7, TRACK *3, *FWD, TIC * 199.81 +/- 4	4R3	4	0	4,666,664:67:1
1234	98	269	03:12:54.866		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC * 199.93 +/-	4R3	4	0	4,666,664:69:2
1235	98	269	03:13:06.866		DMS:	: *AUTOSTOP	P7, TRACK 3, FWD, TIC * 202.06 +/-	4R3	4	0	4,666,664:87:2
1236	98	269	03:13:08.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 202.12 +/-	4R3	4	0	4,666,664:89:0
1237	98	269	03:17:11.400	165DE4A	7SCAN	NORM,291.844997,	Check S/P Position	4R3	4	0	4,666,668:90:0
1238	98	269	03:19:05.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 202.12 +/-	4R3	4	0	4,666,670:79:0
1239	98	269	03:19:05.400	465KD6A	6DMSC	P7,3	DMS Control Tape P/B 7.68kbps	4R3	4	0	4,666,670:79:0
1240	98	269	03:19:12.066		DMS:	: *RUNUP	P7, TRACK *3, FWD, TIC 202.12 +/-	4R3	4	0	4,666,670:89:0
1241	98	269	03:19:13.466		DMS:	: *P_SLEW	P7, TRACK 3, FWD, TIC * 202.24 +/-	4R3	4	0	4,666,671:00:1
1242	98	269	03:19:13.466		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC 202.24 +/-	4R3	4	0	4,666,671:00:1
1243	98	269	03:20:14.066		DMS:	: *RUNDOWN	P7, TRACK 3, FWD, TIC * 216.45 +/-	4R3	4	0	4,666,672:00:0
1244	98	269	03:20:14.066	465KD6B	6DMSC	RDY,3	DMS Control Tape stop	4R3	4	0	4,666,672:00:0
1245	98	269	03:20:15.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 216.51 +/-	4R3	4	0	4,666,672:01:8
1246	98	269	03:21:01.400	175DE422A6A	6DMSC	R28,3	DMS Control	4R3	4	0	4,666,672:71:0
1247	98	269	03:21:01.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 216.51 +/-	4R3	4	0	4,666,672:71:0
1248	98	269	03:21:05.400	117DE	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	4,666,672:77:0
1249	98	269	03:21:08.066		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 216.51 +/-	4R3	4	0	4,666,672:81:0
1250	98	269	03:21:11.400	175DE176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,666,672:86:0
1251	98	269	03:21:12.066		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 218.01 +/-	4R3	4	0	4,666,672:87:0
1252	**98**	**269**	**03:21:12.066**	**17ENSUCOMP01-**	**NIMPBK**	**301DE**	**EUROPA SURFACE COMPOSITION**	**4R3**	**4**	**0**	**: :**
1253	98	269	03:21:12.066		DMS:	: *RECORD	R28, TRACK 3, FWD, TIC * 218.01 +/-	4R3	4	0	4,666,672:87:0
1254	98	269	03:21:13.400	165DE4B	7VECT		Inert vect update UTC	4R3	4	0	4,666,672:89:0
1255	98	269	03:21:14.733	117DE105A106A4A	7STRP	-0.034313,0.0,0,	Slew =,0.03	4R3	4	0	4,666,673:00:0
1256	**98**	**269**	**03:23:55.333**	**17ENSUCOMP01-**	**NIMPBK**	**301DJ**	**EUROPA SURFACE COMPOSITION**	**4R3**	**4**	**0**	**: :**
1257	**98**	**269**	**03:24:47.000**	**17ENSUCOMP01-**	**DESELC**	**300DJ**	**EUROPA SURFACE COMPOSITION**	**4R3**	**4**	**0**	**: :**
1258	**98**	**269**	**03:25:32.666**	**17ENSUCOMP01-**	**NIMPBK**	**301DK**	**EUROPA SURFACE COMPOSITION**	**4R3**	**4**	**0**	**: :**
1259	**98**	**269**	**03:25:43.333**	**17ENSUCOMP01-**	**DESELC**	**300DK**	**EUROPA SURFACE COMPOSITION**	**4R3**	**4**	**0**	**: :**
1260	**98**	**269**	**03:26:16.000**	**17ENSUCOMP01-**	**NIMPBK**	**301DL**	**EUROPA SURFACE COMPOSITION**	**4R3**	**4**	**0**	**: :**
1261	**98**	**269**	**03:26:26.666**	**17ENSUCOMP01-**	**DESELC**	**300DL**	**EUROPA SURFACE COMPOSITION**	**4R3**	**4**	**0**	**: :**
1262	**98**	**269**	**03:27:51.333**	**17ENSUCOMP01-**	**NIMPBK**	**301DM**	**EUROPA SURFACE COMPOSITION**	**4R3**	**4**	**0**	**: :**
1263	**98**	**269**	**03:28:18.666**	**17ENSUCOMP01-**	**DESELC**	**300DM**	**EUROPA SURFACE COMPOSITION**	**4R3**	**4**	**0**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	98	269	03:28:43.333	17ENSUCOMP01-	NIMPBK	301DN	EUROPA SURFACE COMPOSITION	4R3	4	0	: :	
1265	98	269	03:28:52.666	17ENSUCOMP01-	DESELC	300DN	EUROPA SURFACE COMPOSITION	4R3	4	0	: :	
1266	98	269	03:29:18.000	17ENSUCOMP01-	NIMPBK	301DO	EUROPA SURFACE COMPOSITION	4R3	4	0	: :	
1267	98	269	03:30:00.666	17ENSUCOMP01-	DESELC	300DO	EUROPA SURFACE COMPOSITION	4R3	4	0	: :	
1268	98	269	03:30:44.666	17ENSUCOMP01-	NIMPBK	301DS	EUROPA SURFACE COMPOSITION	4R3	4	0	: :	
1269	98	269	03:30:55.333	17ENSUCOMP01-	DESELC	300DS	EUROPA SURFACE COMPOSITION	4R3	4	0	: :	
1270	98	269	03:31:45.333	17ENSUCOMP01-	NIMPBK	301DT	EUROPA SURFACE COMPOSITION	4R3	4	0	: :	
1271	98	269	03:32:16.666	17ENSUCOMP01-	DESELC	300DT	EUROPA SURFACE COMPOSITION	4R3	4	0	: :	
1272	98	269	03:35:56.666	17ENSUCOMP01-	NIMPBK	301DU	EUROPA SURFACE COMPOSITION	4R3	4	0	: :	
1273	98	269	03:35:58.180	17ENSUCOMP01-		-----STOP-------		4R3	4	0	: :	
1274	98	269	03:36:46.666	17ENSUCOMP01-	DESELC	300DU	EUROPA SURFACE COMPOSITION	4R3	4	0	: :	
1275	98	269	03:37:32.000	17ENSUCOMP01-	NIMPBK	301DV	EUROPA SURFACE COMPOSITION	4R3	4	0	: :	
1276	98	269	03:37:38.666	17ENSUCOMP01-	DESELC	300DV	EUROPA SURFACE COMPOSITION	4R3	4	0	: :	
1277	98	269	03:40:24.066	117DE11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	4,666,691:86:0	
1278	98	269	03:40:32.733	17ENSUCOMP01-	DESELC	300DE	EUROPA SURFACE COMPOSITION	4R3	4	0	: :	
1279	98	269	03:40:32.733	165IK4A	7SCAN	NORM,313.274998,	Check S/P Position	4R3	4	0	4,666,692:08:0	
1280	98	269	03:41:12.066		DMS:	: *RUNDOWN	R28, TRACK 3, FWD, TIC *1272.69 +/-	4R3	4	0	4,666,692:67:0	
1281	98	269	03:41:12.066	175DE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,692:67:0	
1282	98	269	03:41:13.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1272.99 +/-	4R3	4	0	4,666,692:68:8	
1283	98	269	03:41:32.066	118IK	SMOS	GS		4R3	4	0	4,666,693:06:0	
1284	98	269	03:41:45.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1272.99 +/-	4R3	4	0	4,666,693:26:0	
1285	98	269	03:41:45.400	175IK422A6A	6DMSC	R403,3	DMS Control	4R3	4	0	4,666,693:26:0	
1286	98	269	03:41:52.066		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 1272.99 +/-	4R3	4	0	4,666,693:36:0	
1287	98	269	03:41:52.733	165IK4B	7VECT		Inert vect update UTC	4R3	4	0	4,666,693:37:0	
1288	98	269	03:41:55.400	175IK176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,666,693:41:0	
1289	98	269	03:41:55.933		DMS:	: *RECORD	R403, TRACK 3, FWD, TIC *1295.99 +/-	4R3	4	0	4,666,693:41:8	
1290	98	269	03:41:55.933		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 1295.99 +/-	4R3	4	0	4,666,693:41:8	
1291	98	269	03:41:56.066	118IK110A111A4A	7STRP	0.0,0.00731,26,0	Slew =2,3.1	4R3	4	0	4,666,693:42:0	
1292	98	269	03:42:04.733	118IK11A	SMOS	GE		4R3	4	0	4,666,693:55:0	
1293	98	269	03:42:11.400	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,693:65:0	
1294	98	269	03:42:11.400		DMS:	: *RUNDOWN	R403, TRACK 3, FWD, TIC *1486.31 +/-	4R3	4	0	4,666,693:65:0	
1295	98	269	03:42:14.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1490.31 +/-	4R3	4	0	4,666,693:69:1	
1296	98	269	03:42:14.733	165IL4A	7SCAN	NORM,318.237999,	Check S/P Position	4R3	4	0	4,666,693:70:0	
1297	98	269	03:43:20.733	175IL422A6A	6DMSC	R403,3	DMS Control	4R3	4	0	4,666,694:78:0	
1298	98	269	03:43:20.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1490.31 +/-	4R3	4	0	4,666,694:78:0	
1299	98	269	03:43:21.400	118IL	SMOS	GS		4R3	4	0	4,666,694:79:0	
1300	98	269	03:43:27.400		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 1490.31 +/-	4R3	4	0	4,666,694:88:0	
1301	98	269	03:43:28.066	165IL4B	7VECT		Inert vect update UTC	4R3	4	0	4,666,694:89:0	
1302	98	269	03:43:30.733	175IL176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,666,695:02:0	
1303	98	269	03:43:31.266		DMS:	: *RECORD	R403, TRACK 3, FWD, TIC *1513.31 +/-	4R3	4	0	4,666,695:02:8	
1304	98	269	03:43:31.266		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 1513.31 +/-	4R3	4	0	4,666,695:02:8	
1305	98	269	03:43:31.400	118IL110A111A4A	7STRP	-0.00599,-0.0004	Slew =,3.01	4R3	4	0	4,666,695:03:0	
1306	98	269	03:43:48.733	118IL110A111B4A	7STRP	0.0002,-0.00731,	Slew =0,3.6	4R3	4	0	4,666,695:29:0	
1307	98	269	03:43:57.400	118IL110A111B4B	7STRP	-0.00599,-0.0004	Slew =,3.01	4R3	4	0	4,666,695:42:0	
1308	98	269	03:44:03.513	17NNSUCOMP02-		-----START------		4R3	4	0	: :	
1309	98	269	03:44:06.066	118IL11A	SMOS	GE		4R3	4	0	4,666,695:55:0	
1310	98	269	03:44:06.733	116IX4A	7STRP	-0.006,-0.005,0,	Slew =0,3.1	4R3	4	0	4,666,695:56:0	
1311	98	269	03:44:14.733	116IY4A	7STRP	-0.00599,-0.0034	Slew =0,3.1	4R3	4	0	4,666,695:68:0	
1312	98	269	03:44:23.400	116IL4A	7STRP	-0.07504,-0.0491	Slew =13.01	4R3	4	0	4,666,695:81:0	
1313	98	269	03:44:29.400		DMS:	: *RUNDOWN	R403, TRACK 3, FWD, TIC *2228.62 +/-	4R3	4	0	4,666,695:90:0	
1314	98	269	03:44:29.400	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,695:90:0	
1315	98	269	03:44:32.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2232.62 +/-	4R3	4	0	4,666,696:03:1	
1316	98	269	03:44:38.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2232.62 +/-	4R3	4	0	4,666,696:13:0	
1317	98	269	03:44:38.733	175JL422A6A	6DMSC	R403,3	DMS Control	4R3	4	0	4,666,696:13:0	
1318	98	269	03:44:45.400		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 2232.62 +/-	4R3	4	0	4,666,696:23:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1319	98	269	03:44:48.733	175JL176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,666,696:28:0
1320	98	269	03:44:49.266		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *2255.62 +/-	4R3	4	0	4,666,696:28:8
1321	98	269	03:44:49.266		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 2255.62 +/- 1	4R3	4	0	4,666,696:28:8
1322	98	269	03:44:49.400	116JL4A	7STRP	-0.0044,-0.0076,	Slew =0,3.1	4R3	4	0	4,666,696:29:0
1323	98	269	03:44:58.066	116JB4A	7STRP	-0.0042,-0.0078,	Slew =0,3.1	4R3	4	0	4,666,696:42:0
1324	98	269	03:45:13.400		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *2552.57 +/- 1	4R3	4	0	4,666,696:65:0
1325	98	269	03:45:13.400	175JL422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,696:65:0
1326	98	269	03:45:16.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2556.57 +/- 1	4R3	4	0	4,666,696:69:1
1327	98	269	03:45:16.733	165IM4A	7SCAN	NORM,315.393997,	Check S/P Position	4R3	4	0	4,666,696:70:0
1328	98	269	03:45:34.733	118IM	**SMOS**	GS		4R3	4	0	4,666,697:06:0
1329	98	269	03:46:05.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2556.57 +/- 1	4R3	4	0	4,666,697:52:0
1330	98	269	03:46:05.400	175IM422A6A	6DMSC	R403,3	DMS Control	4R3	4	0	4,666,697:52:0
1331	98	269	03:46:12.066		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 2556.57 +/- 1	4R3	4	0	4,666,697:62:0
1332	98	269	03:46:12.733	165IM4B	7VECT		Inert vect update UTC	4R3	4	0	4,666,697:63:0
1333	98	269	03:46:15.400	175IM176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,666,697:67:0
1334	98	269	03:46:15.933		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *2579.57 +/- 1	4R3	4	0	4,666,697:67:8
1335	98	269	03:46:15.933		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 2579.57 +/- 1	4R3	4	0	4,666,697:67:8
1336	98	269	03:46:16.066	118IM110A111A4A	7STRP	0.0,-0.00731,26,	Slew =3,3.1	4R3	4	0	4,666,697:68:0
1337	98	269	03:46:33.400	118IM11A	**SMOS**	GE		4R3	4	0	4,666,698:03:0
1338	98	269	03:46:40.066		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *2876.52 +/- 1	4R3	4	0	4,666,698:13:0
1339	98	269	03:46:40.066	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,698:13:0
1340	98	269	03:46:42.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2880.52 +/- 1	4R3	4	0	4,666,698:17:1
1341	98	269	03:46:48.066	165IN4A	7SCAN	NORM,322.452999,	Check S/P Position	4R3	4	0	4,666,698:25:0
1342	98	269	03:47:36.066	118IN	**SMOS**	GS		4R3	4	0	4,666,699:06:0
1343	98	269	03:47:40.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2880.52 +/- 1	4R3	4	0	4,666,699:13:0
1344	98	269	03:47:40.733	175IN422A6A	6DMSC	R403,3	DMS Control	4R3	4	0	4,666,699:13:0
1345	98	269	03:47:47.400		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 2880.52 +/- 1	4R3	4	0	4,666,699:23:0
1346	98	269	03:47:48.066	165IN4B	7VECT		Inert vect update UTC	4R3	4	0	4,666,699:24:0
1347	98	269	03:47:50.733	175IN176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,666,699:28:0
1348	98	269	03:47:51.266		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 2903.52 +/- 1	4R3	4	0	4,666,699:28:8
1349	98	269	03:47:51.266		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *2903.52 +/- 1	4R3	4	0	4,666,699:28:8
1350	98	269	03:47:51.400	118IN110A111A4A	7STRP	-0.00596,0.0005,	Slew =,2.71	4R3	4	0	4,666,699:29:0
1351	98	269	03:48:00.066	118IN11A	**SMOS**	GE		4R3	4	0	4,666,699:42:0
1352	98	269	03:48:06.733	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,699:52:0
1353	98	269	03:48:06.733		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *3093.84 +/- 1	4R3	4	0	4,666,699:52:0
1354	98	269	03:48:09.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3097.84 +/- 2	4R3	4	0	4,666,699:56:1
1355	98	269	03:48:15.400	165IO4A	7SCAN	NORM,333.078999,	Check S/P Position	4R3	4	0	4,666,699:65:0
1356	98	269	03:49:24.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3097.84 +/- 2	4R3	4	0	4,666,700:78:0
1357	98	269	03:49:24.733	175IO422A6A	6DMSC	R403,3	DMS Control	4R3	4	0	4,666,700:78:0
1358	98	269	03:49:25.400	118IO	**SMOS**	GS		4R3	4	0	4,666,700:79:0
1359	98	269	03:49:31.400		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 3097.84 +/- 2	4R3	4	0	4,666,700:88:0
1360	98	269	03:49:32.066	165IO4B	7VECT		Inert vect update UTC	4R3	4	0	4,666,700:89:0
1361	98	269	03:49:34.733	175IO176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,666,701:02:0
1362	98	269	03:49:35.266		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 3120.84 +/- 2	4R3	4	0	4,666,701:02:8
1363	98	269	03:49:35.266		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *3120.84 +/- 2	4R3	4	0	4,666,701:02:8
1364	98	269	03:49:35.400	118IO110A111A4A	7STRP	-0.00593,0.003,2	Slew =,2.61	4R3	4	0	4,666,701:03:0
1365	98	269	03:50:18.733	118IO11A	**SMOS**	GE		4R3	4	0	4,666,701:68:0
1366	98	269	03:50:19.400	116IO4A	7STRP	-0.00593,-0.0010	Slew =0,2.8	4R3	4	0	4,666,701:69:0
1367	98	269	03:50:27.400	116JO4A	7STRP	-0.00593,-0.0010	Slew =0,2.8	4R3	4	0	4,666,701:81:0
1368	98	269	03:50:36.066	116JC4A	7STRP	-0.00593,-0.0008	Slew =0,2.8	4R3	4	0	4,666,702:03:0
1369	98	269	03:50:51.400	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,702:26:0
1370	98	269	03:50:51.400		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *4057.63 +/- 2	4R3	4	0	4,666,702:26:0
1371	98	269	03:50:54.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4061.63 +/- 2	4R3	4	0	4,666,702:30:1
1372	98	269	03:51:01.400	165IP4A	7SCAN	NORM,342.731998,	Check S/P Position	4R3	4	0	4,666,702:41:0
1373	98	269	03:52:00.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4061.63 +/- 2	4R3	4	0	4,666,703:39:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	98	269	03:52:00.733	175IP422A6A	6DMSC	R403,3	DMS Control	4R3	4	0	4,666,703	:39:0
1375	98	269	03:52:07.400		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 4061.63 +/- 2	4R3	4	0	4,666,703	:49:0
1376	98	269	03:52:08.066	165IP4B	7VECT		Inert vect update UTC	4R3	4	0	4,666,703	:50:0
1377	98	269	03:52:10.733	175IP176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,666,703	:54:0
1378	98	269	03:52:11.266		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 4084.63 +/- 2	4R3	4	0	4,666,703	:54:8
1379	98	269	03:52:11.266		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *4084.63 +/- 2	4R3	4	0	4,666,703	:54:8
1380	98	269	03:52:18.066		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *4168.31 +/- 2	4R3	4	0	4,666,703	:65:0
1381	98	269	03:52:18.066	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,703	:65:0
1382	98	269	03:52:20.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4172.31 +/- 2	4R3	4	0	4,666,703	:69:1
1383	98	269	03:52:30.066	165IQ4A	7SCAN	NORM,347.742996,	Check S/P Position	4R3	4	0	4,666,703	:83:0
1384	**98**	**269**	**03:52:46.733**	**20DF5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,666,704**	**:17:0**
1385	**98**	**269**	**03:52:48.066**	**20DF5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,666,704**	**:19:0**
1386	**98**	**269**	**03:52:56.733**	**20DF6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,666,704**	**:32:0**
1387	**98**	**269**	**03:53:06.733**	**20DF6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,666,704**	**:47:0**
1388	**98**	**269**	**03:53:16.733**	**20DF5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,666,704**	**:62:0**
1389	**98**	**269**	**03:53:18.066**	**20DF5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,666,704**	**:64:0**
1390	**98**	**269**	**03:53:26.733**	**20DF4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,666,704**	**:77:0**
1391	98	269	03:53:36.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4172.31 +/- 2	2R0	4	0	4,666,705	:00:0
1392	98	269	03:53:36.066	175IQ422A6A	6DMSC	R403,3	DMS Control	2R0	4	0	4,666,705	:00:0
1393	98	269	03:53:36.733	118IQ	**SMOS**	GS		2R0	4	0	4,666,705	:01:0
1394	98	269	03:53:42.733		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 4172.31 +/- 2	2R0	4	0	4,666,705	:10:0
1395	98	269	03:53:43.400	165IQ4B	7VECT		Inert vect update UTC	2R0	4	0	4,666,705	:11:0
1396	98	269	03:53:46.066	175IQ176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R0	4	0	4,666,705	:15:0
1397	98	269	03:53:46.600		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *4195.31 +/- 2	2R0	4	0	4,666,705	:15:8
1398	98	269	03:53:46.600		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 4195.31 +/- 3	2R0	4	0	4,666,705	:15:8
1399	98	269	03:53:46.733	118IQ110A111A4A	7STRP	0.0,0.00731,26,0	Slew =2,4.2	2R0	4	0	4,666,705	:16:0
1400	98	269	03:53:55.400	118IQ110A111A4B	7STRP	0.00604,-0.0008,	Slew =0,3.1	2R0	4	0	4,666,705	:29:0
1401	98	269	03:54:04.066	118IQ110A111A4C	7STRP	0.0,0.00731,26,0	Slew =2,4.2	2R0	4	0	4,666,705	:42:0
1402	**98**	**269**	**03:54:10.179**	**17NNSUCOMP02-**		**-----STOP-------**		**2R0**	**4**	**0**		**: :**
1403	**98**	**269**	**03:54:10.179**	**17ENSUCOMP02-**		**-----START------**		**2R0**	**4**	**0**		**: :**
1404	98	269	03:54:12.733	118IQ11A	**SMOS**	GE		2R0	4	0	4,666,705	:55:0
1405	98	269	03:54:14.733	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,666,705	:58:0
1406	98	269	03:54:14.733		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *4541.48 +/- 3	2R0	4	0	4,666,705	:58:0
1407	98	269	03:54:17.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4545.48 +/- 3	2R0	4	0	4,666,705	:62:1
1408	98	269	03:54:22.733	165IR4A	7SCAN	NORM,355.285999,	Check S/P Position	2R0	4	0	4,666,705	:70:0
1409	98	269	03:55:28.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4545.48 +/- 3	2R0	4	0	4,666,706	:78:0
1410	98	269	03:55:28.733	175IR422A6A	6DMSC	R403,3	DMS Control	2R0	4	0	4,666,706	:78:0
1411	98	269	03:55:29.400	118IR	**SMOS**	GS		2R0	4	0	4,666,706	:79:0
1412	**98**	**269**	**03:55:32.733**	**125DF4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,666,706**	**:84:0**
1413	98	269	03:55:32.733	125DF	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,666,706	:84:0
1414	98	269	03:55:35.400		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 4545.48 +/- 3	4R0	4	0	4,666,706	:88:0
1415	98	269	03:55:36.066	165IR4B	7VECT		Inert vect update UTC	4R0	4	0	4,666,706	:89:0
1416	98	269	03:55:38.733	175IR176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	4R0	4	0	4,666,707	:02:0
1417	98	269	03:55:39.266		DMS:	**: *RECORD**	R403, TRACK 3, FWD, TIC *4568.48 +/- 3	4R0	4	0	4,666,707	:02:8
1418	98	269	03:55:39.266		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 4568.48 +/- 3	4R0	4	0	4,666,707	:02:8
1419	98	269	03:55:39.400	118IR110A111A4A	7STRP	0.0,0.0068,26,0,	Slew =5,3.1	4R0	4	0	4,666,707	:03:0
1420	98	269	03:56:14.066	118IR11A	**SMOS**	GE		4R0	4	0	4,666,707	:55:0
1421	98	269	03:56:20.733		DMS:	**: *RUNDOWN**	R403, TRACK 3, FWD, TIC *5078.71 +/- 3	4R0	4	0	4,666,707	:65:0
1422	98	269	03:56:20.733	175IR422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R0	4	0	4,666,707	:65:0
1423	98	269	03:56:23.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5082.71 +/- 3	4R0	4	0	4,666,707	:69:1
1424	**98**	**269**	**03:56:33.400**	**125DF4B**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**4,666,707**	**:84:0**
1425	98	269	03:56:33.400	125DF11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,666,707	:84:0
1426	**98**	**269**	**03:58:34.733**	**127DF4A**	**37IOP**	**4,0**	**Long Spectrometer, Grating Start Position**	**4R4**	**4**	**0**	**4,666,709**	**:84:0**
1427	98	269	03:58:34.733	127DF	NIMSTAB	GS	%%%%% GROUP START TAB	4R4	4	0	4,666,709	:84:0
1428	**98**	**269**	**03:58:35.400**	**127DF4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R4**	**4**	**0**	**4,666,709**	**:85:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	98	269	03:58:38.733	165DF4A	7SCAN	NORM,17.467,41.5	Check S/P Position	4R4	4	0	4,666,709:90:0	
1430	98	269	03:58:43.400	127DF11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R4	4	0	4,666,710:06:0	
1431	98	269	03:59:26.733	175DF422A6A	6DMSC	R28,3	DMS Control	4R4	4	0	4,666,710:71:0	
1432	98	269	03:59:26.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5082.71 +/- 3	4R4	4	0	4,666,710:71:0	
1433	98	269	03:59:30.733	117DF	**CSMOS**	GS	***** GROUP START CSMOS	4R4	4	0	4,666,710:77:0	
1434	98	269	03:59:33.400		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 5082.71 +/- 3	4R4	4	0	4,666,710:81:0	
1435	98	269	03:59:36.733	175DF176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R4	4	0	4,666,710:86:0	
1436	**98**	**269**	**03:59:37.400**	**17ENSUCOMP02-**	**NIMPBK**	**301DF**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1437	98	269	03:59:37.400		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *5084.21 +/- 3	4R4	4	0	4,666,710:87:0	
1438	98	269	03:59:37.400		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 5084.21 +/- 3	4R4	4	0	4,666,710:87:0	
1439	98	269	03:59:38.733	165DF4B	7VECT		Inert vect update UTC	4R4	4	0	4,666,710:89:0	
1440	98	269	03:59:40.066	117DF105A106A4A	**7STRP**	**0.03071,0.0,0,0,**	**Slew =,0.03**	4R4	4	0	4,666,711:00:0	
1441	**98**	**269**	**04:02:12.733**	**17ENSUCOMP02-**	**NIMPBK**	**301EE**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1442	**98**	**269**	**04:02:12.733**	**17ENSUCOMP02-**	**NIMPBK**	**301EP**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1443	**98**	**269**	**04:02:24.733**	**17ENSUCOMP02-**	**DESELC**	**300EP**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1444	**98**	**269**	**04:02:24.733**	**17ENSUCOMP02-**	**DESELC**	**300EE**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1445	**98**	**269**	**04:02:50.066**	**17ENSUCOMP02-**	**NIMPBK**	**301ET**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1446	**98**	**269**	**04:02:50.066**	**17ENSUCOMP02-**	**NIMPBK**	**301ER**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1447	**98**	**269**	**04:02:58.066**	**17ENSUCOMP02-**	**DESELC**	**300ET**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1448	**98**	**269**	**04:02:58.066**	**17ENSUCOMP02-**	**DESELC**	**300ER**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1449	**98**	**269**	**04:04:16.846**	**17NNSUCOMP03-**		**-----START------**		**4R4**	**4**	**0**	**: :**	
1450	**98**	**269**	**04:09:44.733**	**17ENSUCOMP02-**	**NIMPBK**	**301EU**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1451	**98**	**269**	**04:09:44.733**	**17ENSUCOMP02-**	**NIMPBK**	**301EQ**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1452	**98**	**269**	**04:10:20.066**	**17ENSUCOMP02-**	**DESELC**	**300EU**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1453	**98**	**269**	**04:10:20.066**	**17ENSUCOMP02-**	**DESELC**	**300EQ**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1454	**98**	**269**	**04:11:21.513**	**17ENSUCOMP02-**		**-----STOP-------**		**4R4**	**4**	**0**	**: :**	
1455	**98**	**269**	**04:12:46.733**	**17ENSUCOMP02-**	**NIMPBK**	**301EV**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1456	**98**	**269**	**04:12:46.733**	**17ENSUCOMP02-**	**NIMPBK**	**301ES**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1457	**98**	**269**	**04:12:56.066**	**17ENSUCOMP02-**	**DESELC**	**300ES**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1458	**98**	**269**	**04:12:56.066**	**17ENSUCOMP02-**	**DESELC**	**300EV**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1459	**98**	**269**	**04:14:23.513**	**17ENSUCOMP03-**		**-----START------**		**4R4**	**4**	**0**	**: :**	
1460	**98**	**269**	**04:14:23.513**	**17NNSUCOMP03-**		**-----STOP-------**		**4R4**	**4**	**0**	**: :**	
1461	**98**	**269**	**04:16:34.066**	**17ENSUCOMP02-**	**DESELC**	**300DF**	**EUROPA SURFACE COMPOSITION**	**4R4**	**4**	**0**	**: :**	
1462	98	269	04:16:34.733		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *5978.35 +/- 3	4R4	4	0	4,666,727:66:0	
1463	98	269	04:16:34.733	175DF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R4	4	0	4,666,727:66:0	
1464	98	269	04:16:35.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5978.65 +/- 3	4R4	4	0	4,666,727:67:8	
1465	98	269	04:16:47.400	117DF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R4	4	0	4,666,727:85:0	
1466	**98**	**269**	**04:17:02.066**	**20DG5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R4**	**4**	**0**	**4,666,728:16:0**	
1467	**98**	**269**	**04:17:03.400**	**20DG5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R4**	**4**	**0**	**4,666,728:18:0**	
1468	**98**	**269**	**04:17:05.400**	**20DG6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R4**	**4**	**0**	**4,666,728:21:0**	
1469	**98**	**269**	**04:17:15.400**	**20DG6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R4**	**4**	**0**	**4,666,728:36:0**	
1470	**98**	**269**	**04:17:32.066**	**20DG5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,666,728:61:0**	
1471	**98**	**269**	**04:17:38.733**	**20DG5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,666,728:71:0**	
1472	**98**	**269**	**04:17:44.733**	**20DG4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**4,666,728:80:0**	
1473	98	269	04:17:52.066		DMS:	: READY	RDY, TRACK *4, *REV, TIC 5978.65 +/- 3	4R0	4	0	4,666,729:00:0	
1474	98	269	04:17:52.066	465KE6A	6DMSC	RDY,4	DMS Control Tape stop	4R0	4	0	4,666,729:00:0	
1475	98	269	04:18:52.066	165DG4A	7SCAN	NORM,72.915,35.1	Check S/P Position	4R0	4	0	4,666,729:90:0	
1476	98	269	04:19:38.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5978.65 +/- 3	4R0	4	0	4,666,730:69:0	
1477	98	269	04:19:38.733	175DG422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R0	4	0	4,666,730:69:0	
1478	98	269	04:19:40.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5978.77 +/- 3	4R0	4	0	4,666,730:71:1	
1479	98	269	04:19:44.066	117DG	**CSMOS**	GS	***** GROUP START CSMOS	4R0	4	0	4,666,730:77:0	
1480	98	269	04:19:45.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5980.01 +/- 3	4R0	4	0	4,666,730:79:0	
1481	98	269	04:19:46.600		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *5980.07 +/- 3	4R0	4	0	4,666,730:80:8	
1482	98	269	04:19:48.733	127DG	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,666,730:84:0	
1483	**98**	**269**	**04:19:48.733**	**127DG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,666,730:84:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	**98**	**269**	**04:19:49.400**	**127DG4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,666,730:85:0**	
1485	98	269	04:19:50.066	175DG176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,666,730:86:0	
1486	98	269	04:19:50.600		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 5978.57 +/- 3	4R3	4	0	4,666,730:86:8	
1487	98	269	04:19:50.600		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *5978.57 +/- 3	4R3	4	0	4,666,730:86:8	
1488	**98**	**269**	**04:19:50.733**	**17ENSUCOMP03-**	**NIMPBK**	**301DG**	**EUROPA SURFACE COMPOSITION**	**4R3**	**4**	**0**	**: :**	
1489	98	269	04:19:52.066	165DG4B	7VECT		Inert vect update UTC	4R3	4	0	4,666,730:89:0	
1490	98	269	04:19:53.400	117DG105A106A4A	**7STRP**	**0.039821,0.0,0,0**	**Slew =,0.03**	4R3	4	0	4,666,731:00:0	
1491	98	269	04:19:57.400	127DG11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,666,731:06:0	
1492	**98**	**269**	**04:37:38.846**	**17ENSUCOMP03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1493	**98**	**269**	**04:37:38.846**	**17NNSUCOMP04-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1494	**98**	**269**	**04:39:40.179**	**17ENSUCOMP04-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1495	**98**	**269**	**04:39:40.179**	**17NNSUCOMP04-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1496	**98**	**269**	**04:41:43.400**	**17ENSUCOMP03-**	**DESELC**	**300DG**	**EUROPA SURFACE COMPOSITION**	**4R3**	**4**	**0**	**: :**	
1497	98	269	04:41:53.400		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *4815.95 +/- 3	4R3	4	0	4,666,752:69:0	
1498	98	269	04:41:53.400	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,752:69:0	
1499	98	269	04:41:54.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4815.65 +/- 3	4R3	4	0	4,666,752:70:8	
1500	98	269	04:42:04.733	117DG11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,666,752:86:0	
1501	**98**	**269**	**04:42:18.733**	**20DH5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,666,753:16:0**	
1502	**98**	**269**	**04:42:20.066**	**20DH5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,666,753:18:0**	
1503	**98**	**269**	**04:42:22.066**	**20DH6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,666,753:21:0**	
1504	**98**	**269**	**04:42:32.066**	**20DH6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,666,753:36:0**	
1505	**98**	**269**	**04:42:48.733**	**20DH5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,666,753:61:0**	
1506	**98**	**269**	**04:42:50.066**	**20DH5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,666,753:63:0**	
1507	**98**	**269**	**04:43:01.400**	**20DH4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**4,666,753:80:0**	
1508	98	269	04:43:08.066	165DH4A	7SCAN	NORM,81.302999,3	Check S/P Position	4R0	4	0	4,666,753:90:0	
1509	98	269	04:43:54.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4815.65 +/- 3	4R0	4	0	4,666,754:69:0	
1510	98	269	04:43:54.733	175DH422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R0	4	0	4,666,754:69:0	
1511	98	269	04:43:56.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4815.77 +/- 3	4R0	4	0	4,666,754:71:1	
1512	98	269	04:44:00.066	117DH	**CSMOS**	GS	***** GROUP START CSMOS	4R0	4	0	4,666,754:77:0	
1513	98	269	04:44:01.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4817.00 +/- 3	4R0	4	0	4,666,754:79:0	
1514	**98**	**269**	**04:44:02.066**	**20DH4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,666,754:80:0**	
1515	98	269	04:44:02.600		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *4817.06 +/- 3	4R3	4	0	4,666,754:80:8	
1516	**98**	**269**	**04:44:02.733**	**20DH4C**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,666,754:81:0**	
1517	98	269	04:44:06.066	175DH176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,666,754:86:0	
1518	98	269	04:44:06.600		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 4815.56 +/- 3	4R3	4	0	4,666,754:86:8	
1519	98	269	04:44:06.600		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *4815.56 +/- 3	4R3	4	0	4,666,754:86:8	
1520	**98**	**269**	**04:44:06.733**	**17ENSUCOMP04-**	**NIMPBK**	**301DH**	**EUROPA SURFACE COMPOSITION**	**4R3**	**4**	**0**	**: :**	
1521	98	269	04:44:08.066	165DH4B	7VECT		Inert vect update UTC	4R3	4	0	4,666,754:89:0	
1522	98	269	04:44:09.400	117DH105A106A4A	**7STRP**	**-0.018002,0.0,0,**	**Slew =,0.03**	4R3	4	0	4,666,755:00:0	
1523	**98**	**269**	**04:50:47.513**	**17ENSUCOMP04-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1524	**98**	**269**	**04:53:56.733**	**17ENSUCOMP04-**	**DESELC**	**300DH**	**EUROPA SURFACE COMPOSITION**	**4R3**	**4**	**0**	**: :**	
1525	98	269	04:54:06.733		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *4288.10 +/- 3	4R3	4	0	4,666,764:77:0	
1526	98	269	04:54:06.733	175DH422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,764:77:0	
1527	98	269	04:54:07.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4287.80 +/- 3	4R3	4	0	4,666,764:78:8	
1528	98	269	04:54:12.733	117DH11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,666,764:86:0	
1529	98	269	04:55:20.733	118IS	**SMOS**	GS		4R3	4	0	4,666,766:06:0	
1530	98	269	04:55:24.733	165IS4A	7SCAN	NORM,84.476,32.4	Check S/P Position	4R3	4	0	4,666,766:12:0	
1531	98	269	04:55:57.400	175IS422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	4R3	4	0	4,666,766:61:0	
1532	98	269	04:55:57.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4287.80 +/- 3	4R3	4	0	4,666,766:61:0	
1533	98	269	04:55:58.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4287.92 +/- 3	4R3	4	0	4,666,766:63:1	
1534	98	269	04:56:04.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4289.16 +/- 3	4R3	4	0	4,666,766:71:0	
1535	98	269	04:56:05.266		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *4289.22 +/- 3	4R3	4	0	4,666,766:72:8	
1536	98	269	04:56:07.400	165IS4B	7VECT		Inert vect update UTC	4R3	4	0	4,666,766:76:0	
1537	98	269	04:56:10.066	175IS176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,666,766:80:0	
1538	98	269	04:56:10.533		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 4223.22 +/- 4	4R3	4	0	4,666,766:80:7	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1539	98	269	04:56:10.533		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *4223.22 +/- 3	4R3	4	0	4,666,766:80:7
1540	98	269	04:56:10.733	118IS110A111A4A	7STRP	0.00731,0.0,26,0	Slew =,3.71	4R3	4	0	4,666,766:81:0
1541	98	269	04:56:19.400	118IS110A111A4B	7STRP	-0.00731,0.00731	Slew =,3.51	4R3	4	0	4,666,767:03:0
1542	98	269	04:56:28.066	118IS110A111A4C	7STRP	0.00731,0.0,26,0	Slew =,3.71	4R3	4	0	4,666,767:16:0
1543	98	269	04:56:36.733	118IS110A111A4D	7STRP	-0.00731,0.00731	Slew =,3.51	4R3	4	0	4,666,767:29:0
1544	98	269	04:56:45.400	118IS110A111A4E	7STRP	0.00731,0.0,26,0	Slew =,3.71	4R3	4	0	4,666,767:42:0
1545	98	269	04:56:54.066	118IS110A111A4F	7STRP	-0.00731,0.00731	Slew =,3.51	4R3	4	0	4,666,767:55:0
1546	98	269	04:57:02.733	118IS110A111A4G	7STRP	0.00731,0.0,26,0	Slew =,3.71	4R3	4	0	4,666,767:68:0
1547	98	269	04:57:11.400	118IS110A111A4H	7STRP	-0.00731,0.00731	Slew =,3.51	4R3	4	0	4,666,767:81:0
1548	98	269	04:57:20.066	118IS110A111A4I	7STRP	0.00731,0.0,26,0	Slew =,3.71	4R3	4	0	4,666,768:03:0
1549	98	269	04:57:28.733	118IS110A111A4J	7STRP	-0.00731,0.00731	Slew =,3.51	4R3	4	0	4,666,768:16:0
1550	98	269	04:57:37.400	118IS110A111A4K	7STRP	0.00731,0.0,26,0	Slew =,3.71	4R3	4	0	4,666,768:29:0
1551	98	269	04:57:46.066	118IS110A111A4L	7STRP	-0.00731,0.00731	Slew =,3.51	4R3	4	0	4,666,768:42:0
1552	98	269	04:57:54.733	118IS110A111A4M	7STRP	0.00731,0.0,26,0	Slew =,3.71	4R3	4	0	4,666,768:55:0
1553	98	269	04:58:03.400	118IS110A111A4N	7STRP	-0.00731,0.00731	Slew =,3.51	4R3	4	0	4,666,768:68:0
1554	98	269	04:58:12.066	118IS110A111A4O	7STRP	0.00731,0.0,26,0	Slew =,3.71	4R3	4	0	4,666,768:81:0
1555	98	269	04:58:20.733	118IS110A111A4P	7STRP	-0.00731,0.00731	Slew =,3.51	4R3	4	0	4,666,769:03:0
1556	98	269	04:58:29.400	118IS110A111A4Q	7STRP	0.00731,0.0,26,0	Slew =,3.71	4R3	4	0	4,666,769:16:0
1557	98	269	04:58:35.400	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,769:25:0
1558	98	269	04:58:35.400		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC * 658.14 +/- 4	4R3	4	0	4,666,769:25:0
1559	98	269	04:58:38.066	118IS11A	**SMOS**	GE		4R3	4	0	4,666,769:29:0
1560	98	269	04:58:38.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 646.64 +/- 4	4R3	4	0	4,666,769:29:1
1561	98	269	04:58:46.066	165IT4A	7SCAN	NORM,84.785999,2	Check S/P Position	4R3	4	0	4,666,769:41:0
1562	98	269	04:59:23.400	118IT	**SMOS**	GS		4R3	4	0	4,666,770:06:0
1563	98	269	04:59:44.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 646.64 +/- 4	4R3	4	0	4,666,770:37:0
1564	98	269	04:59:44.066	175IT422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	4R3	4	0	4,666,770:37:0
1565	98	269	04:59:45.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 646.76 +/- 4	4R3	4	0	4,666,770:39:1
1566	98	269	04:59:50.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 647.99 +/- 4	4R3	4	0	4,666,770:47:0
1567	98	269	04:59:51.933		DMS:	: *RUNUP	R403, TRACK *4, *REV, TIC * 648.05 +/- 4	4R3	4	0	4,666,770:48:8
1568	98	269	04:59:52.733	165IT4B	7VECT		Inert vect update UTC	4R3	4	0	4,666,770:50:0
1569	98	269	04:59:55.400	175IT176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,666,770:54:0
1570	98	269	04:59:55.800		DMS:	**: *RECORD**	R403, TRACK 4, REV, TIC * 625.05 +/- 4	4R3	4	0	4,666,770:54:6
1571	98	269	04:59:55.800		DMS:	: *AT_SPD	R403, TRACK 4, REV, TIC 625.05 +/- 4	4R3	4	0	4,666,770:54:6
1572	98	269	04:59:56.066	118IT110A111A4A	7STRP	0.001,0.00731,26	Slew =,3.71	4R3	4	0	4,666,770:55:0
1573	98	269	05:00:04.733	118IT11A	**SMOS**	GE		4R3	4	0	4,666,770:68:0
1574	98	269	05:00:11.400	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,770:78:0
1575	98	269	05:00:11.400		DMS:	**: *RUNDOWN**	R403, TRACK 4, REV, TIC * 433.10 +/- 4	4R3	4	0	4,666,770:78:0
1576	98	269	05:00:14.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 429.10 +/- 4	4R3	4	0	4,666,770:82:1
1577	98	269	05:00:19.400	165GF4A	7SCAN	NORM,84.24,33.79	Check S/P Position	4R3	4	0	4,666,770:90:0
1578	98	269	05:00:20.066	176GG6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,666,771:00:0
1579	98	269	05:01:11.400	117GF	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,666,771:77:0
1580	98	269	05:01:19.400	165GF4B	7VECT		Inert vect update UTC	4R3	4	0	4,666,771:89:0
1581	98	269	05:01:20.733	117GF105A106A4A	7STRP	0.058065,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,772:00:0
1582	98	269	05:02:56.066	117GF105A106A4B	7STRP	-0.058065,0.002,	Slew =12.01	4R3	4	0	4,666,773:52:0
1583	98	269	05:03:04.066	117GF105A106A4C	7STRP	0.058065,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,773:64:0
1584	98	269	05:04:39.400	117GF105A106A4D	7STRP	-0.058065,0.002,	Slew =12.01	4R3	4	0	4,666,775:25:0
1585	98	269	05:04:47.400	117GF105A106A4E	7STRP	0.058065,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,775:37:0
1586	98	269	05:06:22.733	117GF105A106A4F	7STRP	-0.058065,0.002,	Slew =12.01	4R3	4	0	4,666,776:89:0
1587	98	269	05:06:30.733	117GF105A106A4G	7STRP	0.058065,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,777:10:0
1588	98	269	05:08:06.066	117GF105A106A4H	7STRP	-0.058065,0.002,	Slew =12.01	4R3	4	0	4,666,778:62:0
1589	98	269	05:08:14.066	117GF105A106A4I	7STRP	0.058065,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,778:74:0
1590	98	269	05:09:49.400	117GF105A106A4J	7STRP	-0.058065,0.002,	Slew =12.01	4R3	4	0	4,666,780:35:0
1591	98	269	05:09:57.400	117GF105A106A4K	7STRP	0.058065,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,780:47:0
1592	98	269	05:11:32.733	117GF105A106A4L	7STRP	-0.058065,0.002,	Slew =12.01	4R3	4	0	4,666,782:08:0
1593	98	269	05:11:40.733	117GF105A106A4M	7STRP	0.058065,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,782:20:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1594	98	269	05:12:54.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 429.10 +/- 4	4R3	4	0	4,666,783:40:0
1595	98	269	05:12:54.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,783:40:0
1596	98	269	05:12:56.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 429.22 +/- 4	4R3	4	0	4,666,783:42:1
1597	98	269	05:13:01.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 430.46 +/- 4	4R3	4	0	4,666,783:50:0
1598	98	269	05:13:02.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 430.52 +/- 4	4R3	4	0	4,666,783:51:8
1599	98	269	05:13:04.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 430.40 +/- 4	4R3	4	0	4,666,783:53:9
1600	98	269	05:13:16.066	117GF105A106A4N	7STRP	-0.058065,0.002,	Slew =12.01	4R3	4	0	4,666,783:72:0
1601	98	269	05:13:20.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 426.63 +/- 4	4R3	4	0	4,666,783:78:0
1602	98	269	05:13:24.066	117GF105A106A4O	7STRP	0.058065,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,783:84:0
1603	98	269	05:13:42.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,784:21:0
1604	98	269	05:13:42.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 421.32 +/- 4	4R3	4	0	4,666,784:21:0
1605	98	269	05:13:43.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 421.26 +/- 4	4R3	4	0	4,666,784:22:8
1606	98	269	05:14:59.400	117GF105A106B4A	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,785:45:0
1607	98	269	05:15:07.400	117GF105A106B4B	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,785:57:0
1608	98	269	05:16:37.400	117GF105A106B4C	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,787:10:0
1609	98	269	05:16:45.400	117GF105A106B4D	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,787:22:0
1610	98	269	05:18:15.400	117GF105A106B4E	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,788:66:0
1611	98	269	05:18:23.400	117GF105A106B4F	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,788:78:0
1612	98	269	05:19:53.400	117GF105A106B4G	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,790:31:0
1613	98	269	05:20:01.400	117GF105A106B4H	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,790:43:0
1614	98	269	05:21:31.400	117GF105A106B4I	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,791:87:0
1615	98	269	05:21:39.400	117GF105A106B4J	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,792:08:0
1616	98	269	05:23:09.400	117GF105A106B4K	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,793:52:0
1617	98	269	05:23:17.400	117GF105A106B4L	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,793:64:0
1618	98	269	05:24:47.400	117GF105A106B4M	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,795:17:0
1619	98	269	05:24:55.400	117GF105A106B4N	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,795:29:0
1620	98	269	05:25:56.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,796:30:0
1621	98	269	05:25:56.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 421.26 +/- 4	4R3	4	0	4,666,796:30:0
1622	98	269	05:25:58.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 421.38 +/- 4	4R3	4	0	4,666,796:32:1
1623	98	269	05:26:03.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 422.61 +/- 4	4R3	4	0	4,666,796:40:0
1624	98	269	05:26:04.533		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 422.67 +/- 4	4R3	4	0	4,666,796:41:8
1625	98	269	05:26:05.933		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 422.55 +/- 4	4R3	4	0	4,666,796:43:9
1626	98	269	05:26:22.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 418.79 +/- 4	4R3	4	0	4,666,796:68:0
1627	98	269	05:26:25.333	117GF105A106B4O	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,796:73:0
1628	98	269	05:26:33.333	117GF105A106B4P	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,796:85:0
1629	98	269	05:26:44.666		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 413.47 +/- 4	4R3	4	0	4,666,797:11:0
1630	98	269	05:26:44.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,797:11:0
1631	98	269	05:26:45.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 413.41 +/- 4	4R3	4	0	4,666,797:12:8
1632	98	269	05:28:03.333	117GF105A106B4Q	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,798:38:0
1633	98	269	05:28:11.333	117GF105A106B4R	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,798:50:0
1634	98	269	05:29:41.333	117GF105A106B4S	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,800:03:0
1635	98	269	05:29:49.333	117GF105A106B4T	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,800:15:0
1636	98	269	05:31:19.333	117GF105A106B4U	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,801:59:0
1637	98	269	05:31:27.333	117GF105A106B4V	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,801:71:0
1638	98	269	05:31:59.333	488AE6A	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	4R3	4	0	4,666,802:28:0
1639	98	269	05:32:57.333	117GF105A106B4W	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,803:24:0
1640	98	269	05:33:05.333	117GF105A106B4X	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,803:36:0
1641	98	269	05:34:35.333	117GF105A106B4Y	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,804:80:0
1642	98	269	05:34:43.333	117GF105A106B4Z	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,805:01:0
1643	98	269	05:36:13.333	117GF105A106B4AA	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,806:45:0
1644	98	269	05:36:21.333	117GF105A106B4AB	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,806:57:0
1645	98	269	05:37:51.333	117GF105A106B4AC	7STRP	-0.055356,0.0014	Slew =12.01	4R3	4	0	4,666,808:10:0
1646	98	269	05:37:59.333	117GF105A106B4AD	7STRP	0.054855,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,808:22:0
1647	98	269	05:38:58.666	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,809:20:0
1648	98	269	05:38:58.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 413.41 +/- 4	4R3	4	0	4,666,809:20:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1649	98	269	05:39:00.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 413.53 +/- 4	4R3	4	0	4,666,809:22:1
1650	98	269	05:39:05.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 414.77 +/- 4	4R3	4	0	4,666,809:30:0
1651	98	269	05:39:06.533		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 414.83 +/- 4	4R3	4	0	4,666,809:31:8
1652	98	269	05:39:07.933		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 414.71 +/- 4	4R3	4	0	4,666,809:33:9
1653	98	269	05:39:24.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 410.94 +/- 4	4R3	4	0	4,666,809:58:0
1654	98	269	05:39:29.333	117GF105A106C4A	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,809:66:0
1655	98	269	05:39:36.666	117GF105A106C4B	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,809:77:0
1656	98	269	05:39:46.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,810:01:0
1657	98	269	05:39:46.666		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 405.63 +/- 4	4R3	4	0	4,666,810:01:0
1658	98	269	05:39:47.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 405.57 +/- 4	4R3	4	0	4,666,810:02:8
1659	98	269	05:40:56.666	117GF105A106C4C	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,811:15:0
1660	98	269	05:41:04.000	117GF105A106C4D	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,811:26:0
1661	98	269	05:42:24.000	117GF105A106C4E	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,812:55:0
1662	98	269	05:42:31.333	117GF105A106C4F	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,812:66:0
1663	98	269	05:43:51.333	117GF105A106C4G	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,814:04:0
1664	98	269	05:43:58.666	117GF105A106C4H	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,814:15:0
1665	98	269	05:45:18.666	117GF105A106C4I	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,815:44:0
1666	98	269	05:45:26.000	117GF105A106C4J	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,815:55:0
1667	98	269	05:46:46.000	117GF105A106C4K	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,816:84:0
1668	98	269	05:46:53.333	117GF105A106C4L	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,817:04:0
1669	98	269	05:48:13.333	117GF105A106C4M	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,818:33:0
1670	98	269	05:48:20.666	117GF105A106C4N	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,818:44:0
1671	98	269	05:49:40.666	117GF105A106C4O	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,819:73:0
1672	98	269	05:49:48.000	117GF105A106C4P	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,819:84:0
1673	98	269	05:51:08.000	117GF105A106C4Q	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,821:22:0
1674	98	269	05:51:15.333	117GF105A106C4R	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,821:33:0
1675	98	269	05:52:01.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 405.57 +/- 4	4R3	4	0	4,666,822:11:0
1676	98	269	05:52:01.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,822:11:0
1677	98	269	05:52:02.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 405.69 +/- 4	4R3	4	0	4,666,822:13:1
1678	98	269	05:52:08.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 406.92 +/- 4	4R3	4	0	4,666,822:21:0
1679	98	269	05:52:09.200		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 406.98 +/- 4	4R3	4	0	4,666,822:22:8
1680	98	269	05:52:10.600		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 406.86 +/- 4	4R3	4	0	4,666,822:24:9
1681	98	269	05:52:26.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 403.10 +/- 4	4R3	4	0	4,666,822:49:0
1682	98	269	05:52:35.333	117GF105A106C4S	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,822:62:0
1683	98	269	05:52:42.666	117GF105A106C4T	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,822:73:0
1684	98	269	05:52:49.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 397.79 +/- 4	4R3	4	0	4,666,822:83:0
1685	98	269	05:52:49.333	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,822:83:0
1686	98	269	05:52:50.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 397.73 +/- 4	4R3	4	0	4,666,822:84:8
1687	98	269	05:54:02.666	117GF105A106C4U	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,824:11:0
1688	98	269	05:54:10.000	117GF105A106C4V	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,824:22:0
1689	98	269	05:55:30.000	117GF105A106C4W	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,825:51:0
1690	98	269	05:55:37.333	117GF105A106C4X	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,825:62:0
1691	98	269	05:56:00.666	488AE6B	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	4,666,826:06:0
1692	98	269	05:56:01.333	282NF432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	4,666,826:07:0
1693	98	269	05:56:02.000	282NF432A6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,666,826:08:0
1694	98	269	05:56:57.333	117GF105A106C4Y	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,827:00:0
1695	98	269	05:57:04.666	117GF105A106C4Z	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,827:11:0
1696	98	269	05:58:24.666	117GF105A106C4AA	7STRP	-0.048939,0.0012	Slew =12.01	4R3	4	0	4,666,828:40:0
1697	98	269	05:58:32.000	117GF105A106C4AB	7STRP	0.048037,0.0,0,0	Slew =,0.63	4R3	4	0	4,666,828:51:0
1698	98	269	05:59:52.000	117GF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,666,829:80:0
1699	98	269	05:59:54.666	165IU4A	7SCAN	NORM,316.445999,	Check S/P Position	4R3	4	0	4,666,829:84:0
1700	98	269	06:00:19.333	176GG6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,666,830:30:0
1701	98	269	06:00:21.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 397.73 +/- 4	4R3	4	0	4,666,830:33:0
1702	98	269	06:00:21.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,830:33:0
1703	98	269	06:00:22.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 397.85 +/- 4	4R3	4	0	4,666,830:35:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	98	269	06:00:28.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 399.08 +/- 4	4R3	4	0	4,666,830:43:0	
1705	98	269	06:00:29.200		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 399.14 +/- 4	4R3	4	0	4,666,830:44:8	
1706	98	269	06:00:30.600		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 399.02 +/- 4	4R3	4	0	4,666,830:46:9	
1707	98	269	06:00:31.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 398.85 +/- 4	4R3	4	0	4,666,830:48:0	
1708	98	269	06:00:48.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,830:74:0	
1709	98	269	06:00:48.666		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 394.79 +/- 4	4R3	4	0	4,666,830:74:0	
1710	98	269	06:00:49.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 394.73 +/- 4	4R3	4	0	4,666,830:75:8	
1711	98	269	06:02:37.333	165JU4A	7SCAN	NORM,325.936996,	Check S/P Position	4R3	4	0	4,666,832:55:0	
1712	98	269	06:03:21.333	175IU422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,666,833:30:0	
1713	98	269	06:03:21.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 394.73 +/- 4	4R3	4	0	4,666,833:30:0	
1714	98	269	06:03:22.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 394.85 +/- 4	4R3	4	0	4,666,833:32:1	
1715	98	269	06:03:28.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 396.08 +/- 4	4R3	4	0	4,666,833:40:0	
1716	98	269	06:03:29.200		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC * 396.14 +/- 4	4R3	4	0	4,666,833:41:8	
1717	98	269	06:03:30.000	165JU4B	7VECT		Inert vect update UTC	4R3	4	0	4,666,833:43:0	
1718	98	269	06:03:32.666	175IU176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,666,833:47:0	
1719	98	269	06:03:33.200		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 389.84 +/- 4	4R3	4	0	4,666,833:47:8	
1720	98	269	06:03:33.200		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC * 389.84 +/- 4	4R3	4	0	4,666,833:47:8	
1721	98	269	06:03:34.000	116IU4A	7STRP	-0.00731,-0.0005	Slew =,3.41	4R3	4	0	4,666,833:49:0	
1722	98	269	06:03:52.000	116JT4A	7STRP	0.006,0.0035,0,0	Slew =,3.41	4R3	4	0	4,666,833:76:0	
1723	98	269	06:04:02.000	175IU422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,834:00:0	
1724	98	269	06:04:02.000		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC * 288.59 +/- 4	4R3	4	0	4,666,834:00:0	
1725	98	269	06:04:03.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 287.59 +/- 4	4R3	4	0	4,666,834:01:8	
1726	98	269	06:05:07.333	175JT422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,666,835:07:0	
1727	98	269	06:05:07.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 287.59 +/- 4	4R3	4	0	4,666,835:07:0	
1728	98	269	06:05:08.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 287.71 +/- 4	4R3	4	0	4,666,835:09:1	
1729	98	269	06:05:14.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 288.94 +/- 4	4R3	4	0	4,666,835:17:0	
1730	98	269	06:05:15.200		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC * 289.00 +/- 4	4R3	4	0	4,666,835:18:8	
1731	98	269	06:05:18.666	175JT176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,666,835:24:0	
1732	98	269	06:05:19.200		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC * 282.70 +/- 4	4R3	4	0	4,666,835:24:8	
1733	98	269	06:05:19.200		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 282.70 +/- 4	4R3	4	0	4,666,835:24:8	
1734	98	269	06:05:20.000	116JU4A	7STRP	-0.096296,-0.011	Slew =17.01	4R3	4	0	4,666,835:26:0	
1735	98	269	06:05:22.666		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC * 270.52 +/- 4	4R3	4	0	4,666,835:30:0	
1736	98	269	06:05:22.666	175JT422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,835:30:0	
1737	98	269	06:05:23.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 269.52 +/- 4	4R3	4	0	4,666,835:31:8	
1738	98	269	06:06:28.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 269.52 +/- 4	4R3	4	0	4,666,836:37:0	
1739	98	269	06:06:28.000		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 269.52 +/- 4	4R3	4	0	4,666,836:37:0	
1740	98	269	06:06:28.000	465KF6A	6DTRN	CMD,6DTRN,465KF6	DMS TRACK TURNAROUND	4R3	4	0	4,666,836:37:0	
1741	98	269	06:06:29.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 269.64 +/- 4	4R3	4	0	4,666,836:39:1	
1742	98	269	06:06:34.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 270.87 +/- 4	4R3	4	0	4,666,836:47:0	
1743	98	269	06:06:35.866		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 270.93 +/- 4	4R3	4	0	4,666,836:48:8	
1744	98	269	06:06:37.266		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 270.81 +/- 4	4R3	4	0	4,666,836:50:9	
1745	98	269	06:11:39.866		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/- 4	4R3	4	0	4,666,841:49:8	
1746	98	269	06:11:41.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 4	4R3	4	0	4,666,841:51:6	
1747	98	269	06:11:41.066		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/- 4	4R3	4	0	4,666,841:51:6	
1748	98	269	06:11:42.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4R3	4	0	4,666,841:53:7	
1749	98	269	06:11:54.466		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4R3	4	0	4,666,841:71:7	
1750	98	269	06:11:55.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4R3	4	0	4,666,841:73:5	
1751	98	269	06:17:02.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4R3	4	0	4,666,846:79:0	
1752	98	269	06:17:02.666	465KG6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	4R3	4	0	4,666,846:79:0	
1753	98	269	06:17:09.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4R3	4	0	4,666,846:89:0	
1754	98	269	06:17:10.733		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC * 202.24 +/-	4R3	4	0	4,666,847:00:1	
1755	98	269	06:17:10.733		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC 202.24 +/-	4R3	4	0	4,666,847:00:1	
1756	98	269	06:18:11.333		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC * 216.45 +/-	4R3	4	0	4,666,848:00:0	
1757	98	269	06:18:11.333	465KG6B	6DMSC	RDY,1	DMS Control Tape stop	4R3	4	0	4,666,848:00:0	
1758	98	269	06:18:12.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 216.51 +/-	4R3	4	0	4,666,848:01:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1759	98	269	06:18:48.000	175JU422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	4,666,848:55:0
1760	98	269	06:18:48.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 216.51 +/-	4R3	4	0	4,666,848:55:0
1761	98	269	06:18:54.666		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 216.51 +/-	4R3	4	0	4,666,848:65:0
1762	98	269	06:18:58.000	175JU176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,666,848:70:0
1763	98	269	06:18:58.666	116JV4A	7STRP	-0.068105,-0.006	Slew =17.01	4R3	4	0	4,666,848:71:0
1764	98	269	06:18:58.666		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 222.81 +/-	4R3	4	0	4,666,848:71:0
1765	98	269	06:18:58.666		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 222.81 +/-	4R3	4	0	4,666,848:71:0
1766	98	269	06:19:12.000	175JU422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,849:00:0
1767	98	269	06:19:12.000		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 269.68 +/-	4R3	4	0	4,666,849:00:0
1768	98	269	06:19:13.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 270.68 +/-	4R3	4	0	4,666,849:01:8
1769	98	269	06:19:18.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 270.68 +/-	4R3	4	0	4,666,849:09:0
1770	98	269	06:19:18.000	175JV422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	4,666,849:09:0
1771	98	269	06:19:24.666		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 270.68 +/-	4R3	4	0	4,666,849:19:0
1772	98	269	06:19:28.000	175JV176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,666,849:24:0
1773	98	269	06:19:28.666		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 276.98 +/-	4R3	4	0	4,666,849:25:0
1774	98	269	06:19:28.666		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 276.98 +/-	4R3	4	0	4,666,849:25:0
1775	98	269	06:19:42.666	175JV422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,849:46:0
1776	98	269	06:19:42.666		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 326.20 +/-	4R3	4	0	4,666,849:46:0
1777	98	269	06:19:43.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 327.20 +/-	4R3	4	0	4,666,849:47:8
1778	98	269	06:20:16.666	444UD443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4R3	4	0	4,666,850:06:0
1779	98	269	06:23:14.000	165GG4A	7SCAN	NORM,90.702,25.1	Check S/P Position	4R3	4	0	4,666,852:90:0
1780	98	269	06:26:16.666	176GH6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,666,856:00:0
1781	98	269	06:27:08.000	117GG	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,666,856:77:0
1782	98	269	06:27:17.333	117GG105A106A4A	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,857:00:0
1783	98	269	06:28:27.333	117GG105A106A4B	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,858:14:0
1784	98	269	06:28:34.000	117GG105A106A4C	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,858:24:0
1785	98	269	06:29:44.000	117GG105A106A4D	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,859:38:0
1786	98	269	06:29:50.666	117GG105A106A4E	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,859:48:0
1787	98	269	06:31:00.666	117GG105A106A4F	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,860:62:0
1788	98	269	06:31:07.333	117GG105A106A4G	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,860:72:0
1789	98	269	06:32:17.333	117GG105A106A4H	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,861:86:0
1790	98	269	06:32:24.000	117GG105A106A4I	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,862:05:0
1791	98	269	06:33:34.000	117GG105A106A4J	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,863:19:0
1792	98	269	06:33:40.666	117GG105A106A4K	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,863:29:0
1793	98	269	06:34:50.666	117GG105A106A4L	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,864:43:0
1794	98	269	06:34:57.333	117GG105A106A4M	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,864:53:0
1795	98	269	06:36:07.333	117GG105A106A4N	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,865:67:0
1796	98	269	06:36:14.000	117GG105A106A4O	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,865:77:0
1797	98	269	06:37:24.000	117GG105A106A4P	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,867:00:0
1798	98	269	06:37:30.666	117GG105A106A4Q	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,867:10:0
1799	98	269	06:38:40.666	117GG105A106A4R	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,868:24:0
1800	98	269	06:38:47.333	117GG105A106A4S	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,868:34:0
1801	98	269	06:38:51.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,868:40:0
1802	98	269	06:38:51.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 327.20 +/-	4R3	4	0	4,666,868:40:0
1803	98	269	06:38:58.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 327.20 +/-	4R3	4	0	4,666,868:50:0
1804	98	269	06:38:59.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 327.32 +/-	4R3	4	0	4,666,868:52:1
1805	98	269	06:39:16.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 331.37 +/-	4R3	4	0	4,666,868:78:0
1806	98	269	06:39:39.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 336.68 +/-	4R3	4	0	4,666,869:21:0
1807	98	269	06:39:39.333	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,869:21:0
1808	98	269	06:39:40.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 336.74 +/-	4R3	4	0	4,666,869:22:8
1809	98	269	06:39:57.333	117GG105A106A4T	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,869:48:0
1810	98	269	06:40:04.000	117GG105A106A4U	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,869:58:0
1811	98	269	06:41:14.000	117GG105A106A4V	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,870:72:0
1812	98	269	06:41:20.666	117GG105A106A4W	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,870:82:0
1813	98	269	06:42:30.666	117GG105A106A4X	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,872:05:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1814	98	269	06:42:37.333	117GG105A106A4Y	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,872:15:0	
1815	98	269	06:43:47.333	117GG105A106A4Z	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,873:29:0	
1816	98	269	06:43:54.000	117GG105A106A4AA	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,873:39:0	
1817	98	269	06:45:04.000	117GG105A106A4AB	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,874:53:0	
1818	98	269	06:45:10.666	117GG105A106A4AC	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,874:63:0	
1819	98	269	06:46:20.666	117GG105A106A4AD	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,875:77:0	
1820	98	269	06:46:27.333	117GG105A106A4AE	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,875:87:0	
1821	98	269	06:47:37.333	117GG105A106A4AF	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,877:10:0	
1822	98	269	06:47:44.000	117GG105A106A4AG	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,877:20:0	
1823	98	269	06:48:54.000	117GG105A106A4AH	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,878:34:0	
1824	98	269	06:49:00.666	117GG105A106A4AI	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,878:44:0	
1825	98	269	06:50:10.666	117GG105A106A4AJ	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,879:58:0	
1826	98	269	06:50:17.333	117GG105A106A4AK	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,879:68:0	
1827	98	269	06:50:55.333	488AE6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,666,880:34:0	
1828	98	269	06:51:27.333	117GG105A106A4AL	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,880:82:0	
1829	98	269	06:51:34.000	117GG105A106A4AM	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,881:01:0	
1830	98	269	06:51:53.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,881:30:0	
1831	98	269	06:51:53.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 336.74 +/-	4R3	4	0	4,666,881:30:0	
1832	98	269	06:52:00.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 336.74 +/-	4R3	4	0	4,666,881:40:0	
1833	98	269	06:52:01.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 336.86 +/-	4R3	4	0	4,666,881:42:1	
1834	98	269	06:52:18.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 340.91 +/-	4R3	4	0	4,666,881:68:0	
1835	98	269	06:52:41.333	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,882:11:0	
1836	98	269	06:52:41.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 346.22 +/-	4R3	4	0	4,666,882:11:0	
1837	98	269	06:52:42.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 346.28 +/-	4R3	4	0	4,666,882:12:8	
1838	98	269	06:52:44.000	117GG105A106A4AN	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,882:15:0	
1839	98	269	06:52:50.666	117GG105A106A4AO	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,882:25:0	
1840	98	269	06:54:00.666	117GG105A106A4AP	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,883:39:0	
1841	98	269	06:54:07.333	117GG105A106A4AQ	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,883:49:0	
1842	98	269	06:55:17.333	117GG105A106A4AR	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,884:63:0	
1843	98	269	06:55:24.000	117GG105A106A4AS	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,884:73:0	
1844	98	269	06:56:34.000	117GG105A106A4AT	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,885:87:0	
1845	98	269	06:56:40.666	117GG105A106A4AU	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,886:06:0	
1846	98	269	06:57:50.666	117GG105A106A4AV	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,887:20:0	
1847	98	269	06:57:57.333	117GG105A106A4AW	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,887:30:0	
1848	98	269	06:59:07.333	117GG105A106A4AX	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,888:44:0	
1849	98	269	06:59:14.000	117GG105A106A4AY	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,888:54:0	
1850	98	269	07:00:24.000	117GG105A106A4AZ	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,889:68:0	
1851	98	269	07:00:30.666	117GG105A106A4BA	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,889:78:0	
1852	98	269	07:01:40.666	117GG105A106A4BB	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,891:01:0	
1853	98	269	07:01:47.333	117GG105A106A4BC	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,891:11:0	
1854	98	269	07:02:57.333	117GG105A106A4BD	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,892:25:0	
1855	98	269	07:03:04.000	117GG105A106A4BE	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,892:35:0	
1856	98	269	07:04:14.000	117GG105A106A4BF	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,893:49:0	
1857	98	269	07:04:20.666	117GG105A106A4BG	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,893:59:0	
1858	98	269	07:04:55.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 346.28 +/-	4R3	4	0	4,666,894:20:0	
1859	98	269	07:04:55.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,894:20:0	
1860	98	269	07:05:02.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 346.28 +/-	4R3	4	0	4,666,894:30:0	
1861	98	269	07:05:03.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 346.40 +/-	4R3	4	0	4,666,894:32:1	
1862	98	269	07:05:20.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 350.45 +/-	4R3	4	0	4,666,894:58:0	
1863	98	269	07:05:30.666	117GG105A106A4BH	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,894:73:0	
1864	98	269	07:05:37.333	117GG105A106A4BI	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,894:83:0	
1865	98	269	07:05:43.333	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,895:01:0	
1866	98	269	07:05:43.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 355.76 +/-	4R3	4	0	4,666,895:01:0	
1867	98	269	07:05:44.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 355.82 +/-	4R3	4	0	4,666,895:02:8	
1868	98	269	07:06:47.333	117GG105A106A4BJ	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,896:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	98	269	07:06:54.000	117GG105A106A4BK	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,896:16:0	
1870	98	269	07:08:04.000	117GG105A106A4BL	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,897:30:0	
1871	98	269	07:08:10.666	117GG105A106A4BM	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,897:40:0	
1872	98	269	07:09:20.666	117GG105A106A4BN	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,898:54:0	
1873	98	269	07:09:27.333	117GG105A106A4BO	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,898:64:0	
1874	98	269	07:10:37.333	117GG105A106A4BP	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,899:78:0	
1875	98	269	07:10:44.000	117GG105A106A4BQ	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,899:88:0	
1876	98	269	07:11:54.000	117GG105A106A4BR	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,901:11:0	
1877	98	269	07:12:00.666	117GG105A106A4BS	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,901:21:0	
1878	98	269	07:13:10.666	117GG105A106A4BT	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,902:35:0	
1879	98	269	07:13:17.333	117GG105A106A4BU	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,902:45:0	
1880	98	269	07:14:27.333	117GG105A106A4BV	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,903:59:0	
1881	98	269	07:14:34.000	117GG105A106A4BW	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,903:69:0	
1882	98	269	07:15:44.000	117GG105A106A4BX	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,904:83:0	
1883	98	269	07:15:50.666	117GG105A106A4BY	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,905:02:0	
1884	98	269	07:17:00.666	117GG105A106A4BZ	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,906:16:0	
1885	98	269	07:17:07.333	117GG105A106A4CA	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,906:26:0	
1886	98	269	07:17:58.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 355.82 +/-	4R3	4	0	4,666,907:11:0	
1887	98	269	07:17:58.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,907:11:0	
1888	98	269	07:18:04.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 355.82 +/-	4R3	4	0	4,666,907:21:0	
1889	98	269	07:18:06.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 355.94 +/-	4R3	4	0	4,666,907:23:1	
1890	98	269	07:18:17.333	117GG105A106A4CB	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,907:40:0	
1891	98	269	07:18:22.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 359.83 +/-	4R3	4	0	4,666,907:48:0	
1892	98	269	07:18:24.000	117GG105A106A4CC	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,907:50:0	
1893	98	269	07:18:45.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 365.14 +/-	4R3	4	0	4,666,907:82:0	
1894	98	269	07:18:45.333	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,907:82:0	
1895	98	269	07:18:46.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 365.20 +/-	4R3	4	0	4,666,907:83:8	
1896	98	269	07:19:34.000	117GG105A106A4CD	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,908:64:0	
1897	98	269	07:19:40.666	117GG105A106A4CE	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,908:74:0	
1898	98	269	07:20:50.666	117GG105A106A4CF	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,909:88:0	
1899	98	269	07:20:57.333	117GG105A106A4CG	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,910:07:0	
1900	98	269	07:22:07.333	117GG105A106A4CH	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,911:21:0	
1901	98	269	07:22:14.000	117GG105A106A4CI	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,911:31:0	
1902	98	269	07:23:24.000	117GG105A106A4CJ	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,912:45:0	
1903	98	269	07:23:30.666	117GG105A106A4CK	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,912:55:0	
1904	98	269	07:24:40.666	117GG105A106A4CL	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,913:69:0	
1905	98	269	07:24:47.333	117GG105A106A4CM	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,913:79:0	
1906	98	269	07:25:57.333	117GG105A106A4CN	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,915:02:0	
1907	98	269	07:26:04.000	117GG105A106A4CO	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,915:12:0	
1908	98	269	07:27:14.000	117GG105A106A4CP	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,916:26:0	
1909	98	269	07:27:20.666	117GG105A106A4CQ	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,916:36:0	
1910	98	269	07:28:30.666	117GG105A106A4CR	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,917:50:0	
1911	98	269	07:28:37.333	117GG105A106A4CS	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,917:60:0	
1912	98	269	07:29:47.333	117GG105A106A4CT	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,918:74:0	
1913	98	269	07:29:54.000	117GG105A106A4CU	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,918:84:0	
1914	98	269	07:31:00.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,920:01:0	
1915	98	269	07:31:00.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 365.20 +/-	4R3	4	0	4,666,920:01:0	
1916	98	269	07:31:04.000	117GG105A106A4CV	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,920:07:0	
1917	98	269	07:31:06.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 365.20 +/-	4R3	4	0	4,666,920:11:0	
1918	98	269	07:31:08.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 365.32 +/-	4R3	4	0	4,666,920:13:1	
1919	98	269	07:31:10.666	117GG105A106A4CW	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,920:17:0	
1920	98	269	07:31:25.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 369.37 +/-	4R3	4	0	4,666,920:39:0	
1921	98	269	07:31:48.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 374.68 +/-	4R3	4	0	4,666,920:73:0	
1922	98	269	07:31:48.000	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,920:73:0	
1923	98	269	07:31:49.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 374.74 +/-	4R3	4	0	4,666,920:74:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1924	98	269	07:32:20.666	117GG105A106A4CX	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,921:31:0
1925	98	269	07:32:27.333	117GG105A106A4CY	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,921:41:0
1926	98	269	07:33:37.333	117GG105A106A4CZ	7STRP	-0.03061,-0.0006	Slew =12.01	4R3	4	0	4,666,922:55:0
1927	98	269	07:33:44.000	117GG105A106A4DA	7STRP	0.030009,0.0,0,0	Slew =,0.45	4R3	4	0	4,666,922:65:0
1928	98	269	07:34:54.000	117GG11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,666,923:79:0
1929	98	269	07:41:06.000	176GH6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,666,930:00:0
1930	98	269	07:41:08.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,930:03:0
1931	98	269	07:41:08.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 374.74 +/-	4R3	4	0	4,666,930:03:0
1932	98	269	07:41:14.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 374.74 +/-	4R3	4	0	4,666,930:13:0
1933	98	269	07:41:16.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 374.86 +/-	4R3	4	0	4,666,930:15:1
1934	98	269	07:41:18.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 375.31 +/-	4R3	4	0	4,666,930:18:0
1935	98	269	07:41:36.666		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 379.69 +/-	4R3	4	0	4,666,930:46:0
1936	98	269	07:41:36.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,930:46:0
1937	98	269	07:41:37.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 379.75 +/-	4R3	4	0	4,666,930:47:8
1938	98	269	07:42:06.000	165GH4A	7SCAN	NORM,92.778999,2	Check S/P Position	4R3	4	0	4,666,930:90:0
1939	98	269	07:42:06.666	176GI6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,666,931:00:0
1940	98	269	07:42:58.000	117GH	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,666,931:77:0
1941	98	269	07:43:07.333	117GH105A106A4A	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,932:00:0
1942	98	269	07:44:12.666	117GH105A106A4B	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,933:07:0
1943	98	269	07:44:22.000	117GH105A106A4C	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,933:21:0
1944	98	269	07:45:27.333	117GH105A106A4D	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,934:28:0
1945	98	269	07:45:36.666	117GH105A106A4E	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,934:42:0
1946	98	269	07:46:42.000	117GH105A106A4F	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,935:49:0
1947	98	269	07:46:51.333	117GH105A106A4G	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,935:63:0
1948	98	269	07:47:56.666	117GH105A106A4H	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,936:70:0
1949	98	269	07:48:06.000	117GH105A106A4I	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,936:84:0
1950	98	269	07:49:11.333	117GH105A106A4J	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,938:00:0
1951	98	269	07:49:20.666	117GH105A106A4K	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,938:14:0
1952	98	269	07:50:26.000	117GH105A106A4L	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,939:21:0
1953	98	269	07:50:35.333	117GH105A106A4M	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,939:35:0
1954	98	269	07:51:40.666	117GH105A106A4N	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,940:42:0
1955	98	269	07:51:50.000	117GH105A106A4O	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,940:56:0
1956	98	269	07:52:55.333	117GH105A106A4P	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,941:63:0
1957	98	269	07:53:04.666	117GH105A106A4Q	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,941:77:0
1958	98	269	07:54:10.000	117GH105A106A4R	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,942:84:0
1959	98	269	07:54:19.333	117GH105A106A4S	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,943:07:0
1960	98	269	07:54:41.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,943:40:0
1961	98	269	07:54:41.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 379.75 +/-	4R3	4	0	4,666,943:40:0
1962	98	269	07:54:48.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 379.75 +/-	4R3	4	0	4,666,943:50:0
1963	98	269	07:54:49.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 379.87 +/-	4R3	4	0	4,666,943:52:1
1964	98	269	07:55:06.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 383.92 +/-	4R3	4	0	4,666,943:78:0
1965	98	269	07:55:24.666	117GH105A106A4T	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,944:14:0
1966	98	269	07:55:29.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 389.23 +/-	4R3	4	0	4,666,944:21:0
1967	98	269	07:55:29.333	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,944:21:0
1968	98	269	07:55:30.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 389.29 +/-	4R3	4	0	4,666,944:22:8
1969	98	269	07:55:34.000	117GH105A106A4U	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,944:28:0
1970	98	269	07:56:39.333	117GH105A106A4V	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,945:35:0
1971	98	269	07:56:48.666	117GH105A106A4W	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,945:49:0
1972	98	269	07:57:54.000	117GH105A106A4X	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,946:56:0
1973	98	269	07:58:03.333	117GH105A106A4Y	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,946:70:0
1974	98	269	07:59:08.666	117GH105A106A4Z	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,947:77:0
1975	98	269	07:59:18.000	117GH105A106A4AA	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,948:00:0
1976	98	269	08:00:23.333	117GH105A106A4AB	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,949:07:0
1977	98	269	08:00:32.666	117GH105A106A4AC	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,949:21:0
1978	98	269	08:01:38.000	117GH105A106A4AD	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,950:28:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1979	98	269	08:01:47.333	117GH105A106A4AE	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,950:42:0
1980	98	269	08:02:52.666	117GH105A106A4AF	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,951:49:0
1981	98	269	08:03:02.000	117GH105A106A4AG	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,951:63:0
1982	98	269	08:04:07.333	117GH105A106A4AH	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,952:70:0
1983	98	269	08:04:16.666	117GH105A106A4AI	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,952:84:0
1984	98	269	08:05:22.000	117GH105A106A4AJ	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,954:00:0
1985	98	269	08:05:31.333	117GH105A106A4AK	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,954:14:0
1986	98	269	08:06:36.666	117GH105A106A4AL	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,955:21:0
1987	98	269	08:06:46.000	117GH105A106A4AM	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,955:35:0
1988	98	269	08:07:43.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,956:30:0
1989	98	269	08:07:43.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 389.29 +/-	4R3	4	0	4,666,956:30:0
1990	98	269	08:07:50.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 389.29 +/-	4R3	4	0	4,666,956:40:0
1991	98	269	08:07:51.333	117GH105A106A4AN	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,956:42:0
1992	98	269	08:07:51.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 389.41 +/-	4R3	4	0	4,666,956:42:1
1993	98	269	08:08:00.666	117GH105A106A4AO	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,956:56:0
1994	98	269	08:08:08.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 393.45 +/-	4R3	4	0	4,666,956:68:0
1995	98	269	08:08:31.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 398.77 +/-	4R3	4	0	4,666,957:11:0
1996	98	269	08:08:31.333	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,957:11:0
1997	98	269	08:08:32.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 398.83 +/-	4R3	4	0	4,666,957:12:8
1998	98	269	08:09:06.000	117GH105A106A4AP	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,957:63:0
1999	98	269	08:09:15.333	117GH105A106A4AQ	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,957:77:0
2000	98	269	08:10:20.666	117GH105A106A4AR	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,958:84:0
2001	98	269	08:10:30.000	117GH105A106A4AS	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,959:07:0
2002	98	269	08:11:35.333	117GH105A106A4AT	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,960:14:0
2003	98	269	08:11:44.666	117GH105A106A4AU	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,960:28:0
2004	98	269	08:12:50.000	117GH105A106A4AV	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,961:35:0
2005	98	269	08:12:59.333	117GH105A106A4AW	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,961:49:0
2006	98	269	08:14:04.666	117GH105A106A4AX	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,962:56:0
2007	98	269	08:14:14.000	117GH105A106A4AY	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,962:70:0
2008	98	269	08:15:19.333	117GH105A106A4AZ	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,963:77:0
2009	98	269	08:15:28.666	117GH105A106A4BA	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,964:00:0
2010	98	269	08:16:34.000	117GH105A106A4BB	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,965:07:0
2011	98	269	08:16:43.333	117GH105A106A4BC	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,965:21:0
2012	98	269	08:17:30.666	488AE6D	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,666,966:01:0
2013	98	269	08:17:48.666	117GH105A106A4BD	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,966:28:0
2014	98	269	08:17:58.000	117GH105A106A4BE	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,966:42:0
2015	98	269	08:19:03.333	117GH105A106A4BF	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,967:49:0
2016	98	269	08:19:12.666	117GH105A106A4BG	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,967:63:0
2017	98	269	08:20:18.000	117GH105A106A4BH	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,968:70:0
2018	98	269	08:20:27.333	117GH105A106A4BI	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,968:84:0
2019	98	269	08:20:45.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,969:20:0
2020	98	269	08:20:45.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 398.83 +/-	4R3	4	0	4,666,969:20:0
2021	98	269	08:20:52.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 398.83 +/-	4R3	4	0	4,666,969:30:0
2022	98	269	08:20:53.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 398.95 +/-	4R3	4	0	4,666,969:32:1
2023	98	269	08:21:10.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 402.99 +/-	4R3	4	0	4,666,969:58:0
2024	98	269	08:21:32.666	117GH105A106A4BJ	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,970:00:0
2025	98	269	08:21:33.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 408.31 +/-	4R3	4	0	4,666,970:01:0
2026	98	269	08:21:33.333	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,970:01:0
2027	98	269	08:21:34.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 408.37 +/-	4R3	4	0	4,666,970:02:8
2028	98	269	08:21:42.000	117GH105A106A4BK	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,970:14:0
2029	98	269	08:22:47.333	117GH105A106A4BL	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,971:21:0
2030	98	269	08:22:56.666	117GH105A106A4BM	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,971:35:0
2031	98	269	08:24:02.000	117GH105A106A4BN	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,972:42:0
2032	98	269	08:24:11.333	117GH105A106A4BO	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,972:56:0
2033	98	269	08:25:16.666	117GH105A106A4BP	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,973:63:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2034	98	269	08:25:26.000	117GH105A106A4BQ	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,973:77:0
2035	98	269	08:26:31.333	117GH105A106A4BR	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,974:84:0
2036	98	269	08:26:40.666	117GH105A106A4BS	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,975:07:0
2037	98	269	08:27:46.000	117GH105A106A4BT	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,976:14:0
2038	98	269	08:27:55.333	117GH105A106A4BU	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,976:28:0
2039	98	269	08:29:00.666	117GH105A106A4BV	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,977:35:0
2040	98	269	08:29:10.000	117GH105A106A4BW	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,977:49:0
2041	98	269	08:30:15.333	117GH105A106A4BX	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,978:56:0
2042	98	269	08:30:24.666	117GH105A106A4BY	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,978:70:0
2043	98	269	08:31:30.000	117GH105A106A4BZ	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,979:77:0
2044	98	269	08:31:39.333	117GH105A106A4CA	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,980:00:0
2045	98	269	08:32:44.666	117GH105A106A4CB	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,981:07:0
2046	98	269	08:32:54.000	117GH105A106A4CC	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,981:21:0
2047	98	269	08:33:48.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 408.37 +/-	4R3	4	0	4,666,982:11:0
2048	98	269	08:33:48.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,982:11:0
2049	98	269	08:33:54.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 408.37 +/-	4R3	4	0	4,666,982:21:0
2050	98	269	08:33:56.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 408.49 +/-	4R3	4	0	4,666,982:23:1
2051	98	269	08:33:59.333	117GH105A106A4CD	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,982:28:0
2052	98	269	08:34:08.666	117GH105A106A4CE	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,982:42:0
2053	98	269	08:34:12.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 412.38 +/-	4R3	4	0	4,666,982:48:0
2054	98	269	08:34:35.333		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 417.69 +/-	4R3	4	0	4,666,982:82:0
2055	98	269	08:34:35.333	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,982:82:0
2056	98	269	08:34:36.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 417.75 +/-	4R3	4	0	4,666,982:83:8
2057	98	269	08:35:14.000	117GH105A106A4CF	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,983:49:0
2058	98	269	08:35:23.333	117GH105A106A4CG	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,983:63:0
2059	98	269	08:36:28.666	117GH105A106A4CH	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,984:70:0
2060	98	269	08:36:38.000	117GH105A106A4CI	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,984:84:0
2061	98	269	08:37:43.333	117GH105A106A4CJ	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,986:00:0
2062	98	269	08:37:52.666	117GH105A106A4CK	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,986:14:0
2063	98	269	08:38:58.000	117GH105A106A4CL	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,987:21:0
2064	98	269	08:39:07.333	117GH105A106A4CM	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,987:35:0
2065	98	269	08:40:12.666	117GH105A106A4CN	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,988:42:0
2066	98	269	08:40:22.000	117GH105A106A4CO	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,988:56:0
2067	98	269	08:41:27.333	117GH105A106A4CP	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,989:63:0
2068	98	269	08:41:36.666	117GH105A106A4CQ	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,989:77:0
2069	98	269	08:42:42.000	117GH105A106A4CR	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,990:84:0
2070	98	269	08:42:51.333	117GH105A106A4CS	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,991:07:0
2071	98	269	08:43:56.666	117GH105A106A4CT	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,992:14:0
2072	98	269	08:44:06.000	117GH105A106A4CU	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,992:28:0
2073	98	269	08:45:11.333	117GH105A106A4CV	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,993:35:0
2074	98	269	08:45:20.666	117GH105A106A4CW	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,993:49:0
2075	98	269	08:46:26.000	117GH105A106A4CX	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,994:56:0
2076	98	269	08:46:35.333	117GH105A106A4CY	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,994:70:0
2077	98	269	08:46:50.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,666,995:01:0
2078	98	269	08:46:50.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 417.75 +/-	4R3	4	0	4,666,995:01:0
2079	98	269	08:46:56.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 417.75 +/-	4R3	4	0	4,666,995:11:0
2080	98	269	08:46:58.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 417.87 +/-	4R3	4	0	4,666,995:13:1
2081	98	269	08:47:15.333		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 421.92 +/-	4R3	4	0	4,666,995:39:0
2082	98	269	08:47:38.000	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,666,995:73:0
2083	98	269	08:47:38.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 427.23 +/-	4R3	4	0	4,666,995:73:0
2084	98	269	08:47:39.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 427.29 +/-	4R3	4	0	4,666,995:74:8
2085	98	269	08:47:40.666	117GH105A106A4CZ	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,995:77:0
2086	98	269	08:47:50.000	117GH105A106A4DA	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,996:00:0
2087	98	269	08:48:55.333	117GH105A106A4DB	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,997:07:0
2088	98	269	08:49:04.666	117GH105A106A4DC	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,997:21:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2089	98	269	08:50:10.000	117GH105A106A4DD	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,998:28:0
2090	98	269	08:50:19.333	117GH105A106A4DE	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,998:42:0
2091	98	269	08:51:24.666	117GH105A106A4DF	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,666,999:49:0
2092	98	269	08:51:34.000	117GH105A106A4DG	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,666,999:63:0
2093	98	269	08:51:36.666	488AE6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,666,999:67:0
2094	98	269	08:52:39.333	117GH105A106A4DH	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,667,000:70:0
2095	98	269	08:52:48.666	117GH105A106A4DI	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,667,000:84:0
2096	98	269	08:53:54.000	117GH105A106A4DJ	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,667,002:00:0
2097	98	269	08:54:03.333	117GH105A106A4DK	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,667,002:14:0
2098	98	269	08:54:28.179	17NNGLOBAL02-		-----START------		4R3	4	0	: :
2099	98	269	08:55:08.666	117GH105A106A4DL	7STRP	-0.00038,0.00082	Slew =12.01	4R3	4	0	4,667,003:21:0
2100	98	269	08:55:18.000	117GH105A106A4DM	7STRP	0.023004,0.0,0,0	Slew =,0.37	4R3	4	0	4,667,003:35:0
2101	98	269	08:56:23.333	117GH11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	4,667,004:42:0
2102	98	269	08:56:56.000	176GI6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	4,667,005:00:0
2103	98	269	08:56:58.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 427.29 +/-	4R3	4	0	4,667,005:03:0
2104	98	269	08:56:58.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,667,005:03:0
2105	98	269	08:57:04.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 427.29 +/-	4R3	4	0	4,667,005:13:0
2106	98	269	08:57:06.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 427.41 +/-	4R3	4	0	4,667,005:15:1
2107	98	269	08:57:08.000		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC * 427.86 +/-	4R3	4	0	4,667,005:18:0
2108	98	269	08:57:26.666	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,667,005:46:0
2109	98	269	08:57:26.666		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC * 432.24 +/-	4R3	4	0	4,667,005:46:0
2110	98	269	08:57:27.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 432.30 +/-	4R3	4	0	4,667,005:47:8
2111	98	269	08:57:56.666	192GJ4A	7CONE	17.4,0.0	Check S/P Position	4R3	4	0	4,667,006:00:0
2112	98	269	09:00:58.666	176GL6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,667,009:00:0
2113	98	269	09:03:13.333	176GL6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	4,667,011:20:0
2114	98	269	09:03:15.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 432.30 +/-	4R3	4	0	4,667,011:23:0
2115	98	269	09:03:15.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,667,011:23:0
2116	98	269	09:03:22.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 432.30 +/-	4R3	4	0	4,667,011:33:0
2117	98	269	09:03:23.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 432.42 +/-	4R3	4	0	4,667,011:35:1
2118	98	269	09:03:25.333		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC * 432.87 +/-	4R3	4	0	4,667,011:38:0
2119	98	269	09:03:36.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,667,011:55:0
2120	98	269	09:03:36.666		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC * 435.53 +/-	4R3	4	0	4,667,011:55:0
2121	98	269	09:03:37.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 435.59 +/-	4R3	4	0	4,667,011:56:8
2122	98	269	09:04:34.846	17ENGLOBAL02-		-----START------		4R3	4	0	: :
2123	98	269	09:04:34.846	17NNGLOBAL02-		-----STOP-------		4R3	4	0	: :
2124	98	269	09:07:48.666	20DI5A	37PL		Program Load (halts microprocessor & unwri	4R3	4	0	4,667,015:69:0
2125	98	269	09:07:56.000	20DI5B	37MRL		Memory Realocate (software operates from R	4R3	4	0	4,667,015:80:0
2126	98	269	09:08:02.666	165DI4A	7SCAN	NORM,94.183999,2	Check S/P Position	4R3	4	0	4,667,015:90:0
2127	98	269	09:08:04.000	20DI6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4R3	4	0	4,667,016:01:0
2128	98	269	09:08:14.000	20DI6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4R3	4	0	4,667,016:16:0
2129	98	269	09:08:24.000	20DI5C	37IRT		Instrument Reset (goes into POR state)	260	4	0	4,667,016:31:0
2130	98	269	09:08:25.333	20DI5D	37MN		Memory Normal (software operates from ROM)	260	4	0	4,667,016:33:0
2131	98	269	09:08:56.666	20DI4A	37IST	1,2,0,OFF,0,1,1	Chopper ON, Sync, Chopper (Ref)Gain State	4R0	4	0	4,667,016:80:0
2132	98	269	09:11:52.666	175DI422A6A	6DMSC	R28,1	DMS Control	4R0	4	0	4,667,019:71:0
2133	98	269	09:11:52.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 435.59 +/-	4R0	4	0	4,667,019:71:0
2134	98	269	09:11:56.666	117DI	CSMOS	GS	***** GROUP START CSMOS	4R0	4	0	4,667,019:77:0
2135	98	269	09:11:59.333		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 435.59 +/-	4R0	4	0	4,667,019:81:0
2136	98	269	09:12:01.333	127DI	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,667,019:84:0
2137	98	269	09:12:01.333	127DI4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	4,667,019:84:0
2138	98	269	09:12:02.000	127DI4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	4R3	4	0	4,667,019:85:0
2139	98	269	09:12:02.666	175DI176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,667,019:86:0
2140	98	269	09:12:03.333		DMS:	: *RECORD	R28, TRACK 1, FWD, TIC * 437.09 +/-	4R3	4	0	4,667,019:87:0
2141	98	269	09:12:03.333		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 437.09 +/-	4R3	4	0	4,667,019:87:0
2142	98	269	09:12:04.666	165DI4B	7VECT		Inert vect update UTC	4R3	4	0	4,667,019:89:0
2143	98	269	09:12:06.000	17ENGLOBAL02-	NIMPBK	301DI	EUROPA GLOBAL MAPPING	4R3	4	0	: :

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2144	98	269	09:12:06.000	117DI105A106A4A	7STRP	-0.012901,0.0,0,	Slew =,0.03	4R3	4	0	4,667,020:00:0	
2145	98	269	09:12:10.000	127DI11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,667,020:06:0	
2146	98	269	09:19:06.000	125EI4A	37IST	0,2,0,OFF,0,1,2	Gain State 3	3R3	4	0	4,667,026:84:0	
2147	98	269	09:19:06.000	125EI11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	4,667,026:84:0	
2148	98	269	09:19:06.000	125EI	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	4,667,026:84:0	
2149	98	269	09:19:17.333	117DI105A106A4B	7STRP	0.012801,0.007,0	Slew =12.01	3R3	4	0	4,667,027:10:0	
2150	98	269	09:19:17.333	17ENGLOBAL02-	DESELC	300DI	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
2151	98	269	09:19:18.666	17ENGLOBAL02-	NIMPBK	301EI	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
2152	98	269	09:19:24.000	117DI105A106A4C	7STRP	-0.012901,0.0,0,	Slew =,0.03	3R3	4	0	4,667,027:20:0	
2153	98	269	09:26:32.000	17ENGLOBAL02-	NIMPBK	301EJ	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
2154	98	269	09:26:35.333	117DI105A106A4D	7STRP	0.012801,0.007,0	Slew =12.01	3R3	4	0	4,667,034:30:0	
2155	98	269	09:26:35.333	17ENGLOBAL02-	DESELC	300EI	EUROPA GLOBAL MAPPING	3R3	4	0	: :	
2156	98	269	09:26:42.000	117DI105A106A4E	7STRP	-0.012901,0.0,0,	Slew =,0.03	3R3	4	0	4,667,034:40:0	
2157	98	269	09:33:53.333	117DI105A106A4F	7STRP	0.012801,0.007,0	Slew =12.01	3R3	4	0	4,667,041:50:0	
2158	98	269	09:34:00.000	117DI105A106A4G	7STRP	-0.012901,0.0,0,	Slew =,0.03	3R3	4	0	4,667,041:60:0	
2159	98	269	09:34:16.000	125FI	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	4,667,041:84:0	
2160	98	269	09:34:16.000	125FI11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	4,667,041:84:0	
2161	98	269	09:34:16.000	125FI4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R3	4	0	4,667,041:84:0	
2162	98	269	09:34:54.846	17ENGLOBAL02-		-----STOP-------		4R3	4	0	: :	
2163	98	269	09:41:11.333	117DI11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	4,667,048:70:0	
2164	98	269	09:41:11.333	17ENGLOBAL02-	DESELC	300EJ	EUROPA GLOBAL MAPPING	4R3	4	0	: :	
2165	98	269	09:42:03.333		DMS:	: *RUNDOWN	R28, TRACK 1, FWD, TIC *2019.12 +/-	4R3	4	0	4,667,049:57:0	
2166	98	269	09:42:03.333	175DI422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,667,049:57:0	
2167	98	269	09:42:04.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2019.42 +/-	4R3	4	0	4,667,049:58:8	
2168	98	269	09:45:35.333	41AB99A	POWER	PWR MODE change	Change to Maneuver/Playback Mode	4R3	4	0	4,667,053:11:0	
2169	98	269	09:47:29.333	41AB3G	40T1P	1	PCT Heater 1 ON (primary relay)	4R3	4	0	4,667,055:00:0	
2170	98	269	09:47:39.333	41AB3H	40T1P	2	PCT Heater 1 ON (primary relay)	4R3	4	0	4,667,055:15:0	
2171	98	269	09:47:49.333	41AB3I	40T2	1	PCT Heater 2 ON	4R3	4	0	4,667,055:30:0	
2172	98	269	09:47:59.333	41AB3J	40T2	2	PCT Heater 2 ON	4R3	4	0	4,667,055:45:0	
2173	98	269	09:51:36.000	20UO4A	7SAFE	UNSTOW	S/P TO 153 deg cone	4R3	4	0	4,667,059:06:0	
2174	98	269	09:55:36.000	20WA4A	7SAFE	STOP	S/P NO MOVEMENT	4R3	4	0	4,667,063:02:0	
2175	98	269	09:56:26.000	20WA4B	7SLEW	DIS,POS,0.0	Stator movement	4R3	4	0	4,667,063:77:0	
2176	98	269	09:56:35.333	176SA6A	6TMREC	IPB	INITIATE PLAYBACK (PB CONTROL) Record Mod	4R3	4	0	4,667,064:00:0	
2177	98	269	10:30:00.000	488AF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	4,667,097:04:0	
2178	98	269	10:35:34.846	17NNCHOPOF01-		-----START------		4R3	4	0	: :	
2179	98	269	10:43:01.333	127DN4A	37IOP	0,0	Safe, Grating Start Position =00	4R0	4	0	4,667,109:84:0	
2180	98	269	10:43:01.333	127DN	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,667,109:84:0	
2181	98	269	10:43:02.000	127DN4B	37ETB	04,C4,02,00,00	Loads wavelength edit table	4R0	4	0	4,667,109:85:0	
2182	98	269	10:43:10.000	127DN11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	4,667,110:06:0	
2183	98	269	10:45:41.513	17NNCHOPOF01-		-----STOP-------		4R0	4	0	: :	
2184	98	269	10:47:04.000	125DN	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,667,113:84:0	
2185	98	269	10:47:04.000	125DN4A	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	460	4	0	4,667,113:84:0	
2186	98	269	10:48:04.666	125DN4B	37IST	1,1,0,OFF,0,0,0	Chopper OFF, N/A, 63Hz (Ref)	4O0	4	0	4,667,114:84:0	
2187	98	269	10:49:05.333	125DN11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	4,667,115:84:0	
2188	98	269	10:49:05.333	125DN4C	37MB	0,0,0,0,0,0	Selects mirror (spatial) edit table	4O0	4	0	4,667,115:84:0	
2189	98	269	11:47:27.333	488AF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,667,173:59:0	
2190	98	269	14:21:30.000	176SC6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,667,326:00:0	
2191	98	269	14:35:39.333	176SD6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,667,340:00:0	
2192	98	269	14:55:11.333	488AF6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,667,359:29:0	
2193	98	269	15:00:00.000	488AF6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,667,364:07:0	
2194	98	269	15:08:00.666	176SH6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,667,372:00:0	
2195	98	269	15:39:00.000	20SQ4I	7MODE	INT	AACS INERTIAL MODE	4O0	4	0	4,667,402:59:0	
2196	98	269	15:54:00.000	20SQ4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	4,667,417:44:0	
2197	98	269	16:06:00.000	20SQ4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,667,429:32:0	
2198	98	269	16:13:00.000	20SQ4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	4,667,436:25:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2199	98	269	16:25:00.000	20SQ4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,667,448:13:0	
2200	98	269	16:37:00.000	20SQ4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,667,460:01:0	
2201	98	269	16:53:04.000	20ST4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,667,475:82:0	
2202	98	269	16:53:54.000	20ST4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,667,476:66:0	
2203	98	269	16:54:10.666	176SJ6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,667,477:00:0	
2204	98	269	17:45:51.333	488AG6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	4,667,528:10:0	
2205	98	269	18:05:00.000	488AG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,667,547:04:0	
2206	98	269	18:32:47.333	488AG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,667,574:48:0	
2207	98	269	18:57:32.666	488AG6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,667,599:01:0	
2208	98	269	19:41:38.666	488AG6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,667,642:57:0	
2209	98	269	22:12:31.333	488AH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,667,791:77:0	
2210	98	269	23:11:27.333	20MC6A	6CKSUM	MAG,4040,46F0		4O0	4	0	4,667,850:12:0	
2211	98	269	23:12:24.000	480MB6	6MROH	12	read from LLM1A12,2282,0,A2	4O0	4	0	4,667,851:06:0	
2212	98	269	23:12:24.000	480MB6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	4O0	4	0	4,667,851:06:0	
2213	98	270	00:35:27.333	488AH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,667,933:19:0	
2214	98	270	01:58:39.333	488AH6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,668,015:45:0	
2215	98	270	01:59:08.666	432JB6B	6RTDS2	NIMNCG,AACDSL,RT	AACS DESELECT	4O0	4	0	4,668,015:89:0	
2216	98	270	02:28:56.666	488AH6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,668,045:41:0	
2217	98	270	02:55:46.000	488AH6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,668,071:89:0	
2218	98	270	07:32:30.000	488AI6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,668,345:61:0	
2219	98	270	07:35:43.333	488AI6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,668,348:78:0	
2220	98	270	07:40:25.333	488AI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,668,353:46:0	
2221	98	270	08:27:24.666	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,668,399:89:0	
2222	98	270	08:31:32.666	20ZM6A	6EUVON			4O0	4	0	4,668,404:06:0	
2223	98	270	08:32:29.333	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	4,668,405:00:0	
2224	98	270	08:33:19.333	488AI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,668,405:75:0	
2225	98	270	08:33:57.333	488AI6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,668,406:41:0	
2226	98	270	08:34:30.666	176BA6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,668,407:00:0	
2227	98	270	08:37:32.000	165BA4A	7SCAN	NORM,77.735,23.7	Check S/P Position	4O0	4	0	4,668,409:90:0	
2228	98	270	08:42:44.000	20UP4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,668,415:12:0	
2229	98	270	08:43:34.000	20UP4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,668,415:87:0	
2230	98	270	08:44:37.333	176BB6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,668,417:00:0	
2231	98	270	09:00:47.333	488AJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,668,432:90:0	
2232	98	270	17:01:03.266	488AK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,668,907:89:0	
2233	98	270	17:50:07.266	488AK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,668,956:46:0	
2234	98	270	18:07:11.266	488AK6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,668,973:35:0	
2235	98	270	18:52:36.600	488AK6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,669,018:28:0	
2236	98	270	19:31:42.600	488AK6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,669,056:89:0	
2237	98	270	19:32:31.266	488AL6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,669,057:71:0	
2238	98	270	23:02:29.933	488AL6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,669,265:41:0	
2239	98	270	23:05:51.266	488AL6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,669,268:70:0	
2240	98	271	01:01:19.933	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,669,382:89:0	
2241	98	271	01:04:29.933	20YC6A	6HICON			4O0	4	0	4,669,386:10:0	
2242	98	271	01:05:23.933	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	4,669,387:00:0	
2243	98	271	01:07:25.266	176KA6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,669,389:00:0	
2244	98	271	01:10:05.933	20KA4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,669,391:59:0	
2245	98	271	01:15:03.933	20UQ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,669,396:51:0	
2246	98	271	01:15:53.933	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,669,397:35:0	
2247	98	271	01:16:31.266	176SK6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,669,398:00:0	
2248	98	271	01:30:22.600	488AL6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,669,411:64:0	
2249	98	271	01:43:43.266	488AM6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,669,424:82:0	
2250	98	271	01:54:56.600	176SB6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,669,436:00:0	
2251	98	271	01:59:59.933		DMS:	: READY	RDY, TRACK 1, FWD, TIC 2019.42 +/-	4O0	4	0	4,669,441:00:0	
2252	**98**	**271**	**02:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**4,669,441:00:1**	
2253	**98**	**271**	**02:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,669,441:00:1**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2254	98	271	02:00:00.000	20A3EZ	37C2PR	Final Condition	Optics Heater 2 OFF (primary relay)	4O0	4	0	4,669,441:00:1	
2255	98	271	02:00:00.000	20A3FA	37F1PR	Final Condition	Radiator Flash Heater OFF (primary relay)	4O0	4	0	4,669,441:00:1	
2256	98	271	02:00:00.000	20A3FB	37F2PR	Final Condition	Shield Flash Heater OFF (primary relay)	4O0	4	0	4,669,441:00:1	
2257	98	271	02:00:00.000	20A3FD	40HRPR	Final Condition	RCT Heater OFF (primary relay)	4O0	4	0	4,669,441:00:1	
2258	98	271	02:00:00.000	20A3FE	40T1P	Final Condition	PCT Heater 1 ON (primary relay)	4O0	4	0	4,669,441:00:1	
2259	98	271	02:00:00.000	20A3FF	40T2	Final Condition	PCT Heater 2 ON	4O0	4	0	4,669,441:00:1	
2260	98	271	02:00:00.000	20A3EW	37A	Final Condition	NIMS Power ON	4O0	4	0	4,669,441:00:1	

Sequence: E17B-AR Created: 01/21/99 Begin: 98-271/02:00:00 Finish: 98-325/12:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	98	271	01:59:59.933		DMS:	: READY	RDY, TRACK 1, FWD, TIC 2019.42 +/-	4O0			4,669,441:00:0
2	**98**	**271**	**02:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**			**4,669,441:00:1**
3	**98**	**271**	**02:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**			**4,669,441:00:1**
4	**98**	**271**	**02:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**4O0**			**4,669,441:00:1**
5	**98**	**271**	**02:00:00.000**	**20A3FE**	**40T1P**	**Initial Condition**	**PCT Heater 1 ON (primary relay)**	**4O0**			**4,669,441:00:1**
6	**98**	**271**	**02:00:00.000**	**20A3FF**	**40T2**	**Initial Condition**	**PCT Heater 2 ON**	**4O0**			**4,669,441:00:1**
7	**98**	**271**	**02:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**			**4,669,441:00:1**
8	**98**	**271**	**02:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**			**4,669,441:00:1**
9	**98**	**271**	**02:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4O0**			**4,669,441:00:1**
10	**98**	**271**	**02:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**4,669,441:00:1**
11	98	271	02:00:47.266	488AA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,669,441:71:0
12	**98**	**271**	**02:00:59.266**	**432NA6B**	**6RTDS2**	**NIMDSL,AACDSL,RT**	**NIMS R/T DESELECTAACS DESELECT**	**4O0**	**4**	**0**	**4,669,441:89:0**
13	98	271	02:05:03.933	20WA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,669,446:01:0
14	98	271	02:05:53.933	20WA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,669,446:76:0
15	98	271	02:07:04.600	176SA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,669,448:00:0
16	98	271	03:53:51.266	488AA6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,669,553:55:0
17	98	271	07:12:58.600	488AA6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,669,750:49:0
18	98	271	07:14:23.266	488AA6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,669,751:85:0
19	98	271	07:20:21.933	488AA6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,669,757:77:0
20	98	271	07:57:03.266	488AB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,669,794:12:0
21	98	271	08:14:02.600	488AB6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,669,810:85:0
22	98	271	08:40:51.933	488AB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,669,837:42:0
23	98	271	17:09:35.266	488AC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,670,340:54:0
24	98	271	17:50:07.266	488AC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,670,380:62:0
25	98	271	18:07:11.266	488AC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,670,397:51:0
26	98	271	18:22:07.266	488AC6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,670,412:30:0
27	98	271	18:49:04.600	488AC6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,670,438:90:0
28	98	271	19:15:53.933	488AD6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,670,465:47:0
29	98	271	21:04:59.866	488AD6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	4,670,573:38:0
30	98	271	21:08:37.200	176SH6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,670,577:00:0
31	98	271	21:38:59.866	20SQ4I	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,670,607:04:0
32	98	271	21:53:59.866	20SQ4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	4,670,621:80:0
33	98	271	22:05:59.866	20SQ4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,670,633:68:0
34	98	271	22:12:59.866	20SQ4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	4,670,640:61:0
35	98	271	22:24:59.866	20SQ4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,670,652:49:0
36	98	271	22:36:59.866	20SQ4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,670,664:37:0
37	98	271	22:53:03.866	20ST4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,670,680:27:0
38	98	271	22:53:53.866	20ST4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,670,681:11:0
39	98	271	22:54:47.200	176SJ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,670,682:00:0
40	98	271	23:12:59.866	488AD6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,670,700:01:0
41	98	271	23:59:59.866	481UB4A	7VECT		Inert vect update UTC	4O0	4	0	4,670,746:45:0
42	98	272	01:05:19.200	488AD6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,670,811:09:0
43	98	272	01:28:47.200	488AE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,670,834:28:0
44	98	272	03:17:35.200	488AE6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,670,941:83:0
45	98	272	07:08:30.533	488AE6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,671,170:27:0
46	98	272	07:10:07.200	488AE6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,671,171:81:0
47	98	272	07:14:23.200	488AE6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,671,176:10:0
48	98	272	08:03:27.200	488AF6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,671,224:58:0
49	98	272	10:04:45.200	488AF6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,671,344:55:0
50	98	272	10:07:11.200	488AF6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,671,347:01:0
51	98	272	10:08:51.200	488AF6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,671,348:60:0
52	98	272	12:48:05.200	488AF6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,671,506:13:0
53	98	272	12:49:19.200	488AG6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,671,507:33:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	98	272	17:42:02.533	488AG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,671,796:79:0	
55	98	272	17:52:15.200	488AG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,671,806:88:0	
56	98	272	18:51:59.200	488AH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,671,866:04:0	
57	98	272	18:59:08.533	488AH6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,671,873:11:0	
58	98	272	19:25:58.533	488AH6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,671,899:60:0	
59	98	273	00:58:55.200	488AI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,672,228:86:0	
60	98	273	01:22:23.200	488AI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,672,252:14:0	
61	98	273	02:19:09.866	488AI6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,672,308:28:0	
62	98	273	02:45:59.200	488AI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,672,334:76:0	
63	98	273	03:02:39.200	488AI6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,672,351:29:0	
64	98	273	07:03:42.466	488AJ6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,672,589:66:0	
65	98	273	07:05:51.133	488AJ6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,672,591:77:0	
66	98	273	07:09:19.133	488AJ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,672,595:25:0	
67	98	273	07:52:47.133	488AJ6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,672,638:24:0	
68	98	273	09:45:33.133	488AJ6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,672,749:72:0	
69	98	273	09:47:59.133	488AK6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,672,752:18:0	
70	98	273	09:49:39.133	488AK6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,672,753:77:0	
71	98	273	14:59:27.133	488AK6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,673,060:22:0	
72	98	273	16:54:39.133	488AL6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,673,174:16:0	
73	98	273	17:45:51.133	488AL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,673,224:74:0	
74	98	273	17:48:18.466	488AL6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,673,227:22:0	
75	98	273	18:02:55.133	488AL6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,673,241:63:0	
76	98	274	01:00:09.800	488AM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,673,654:32:0	
77	98	274	01:18:07.133	488AM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,673,672:10:0	
78	98	274	02:51:59.133	488AM6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,673,764:86:0	
79	98	274	06:58:11.800	488AM6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,674,008:41:0	
80	98	274	06:59:27.133	488AM6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,674,009:63:0	
81	98	274	07:04:15.133	488AN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,674,014:40:0	
82	98	274	07:48:31.133	488AN6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,674,058:20:0	
83	98	274	08:25:42.466	431MA6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	4,674,095:00:0	
84	98	274	09:30:37.133	488AN6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,674,159:18:0	
85	98	274	09:33:03.133	488AN6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,674,161:55:0	
86	98	274	09:34:43.133	488AN6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,674,163:23:0	
87	98	274	15:05:51.066	488AO6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,674,490:68:0	
88	98	274	16:50:23.066	488AO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,674,594:12:0	
89	98	274	17:35:11.066	488AO6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,674,638:40:0	
90	98	274	18:02:55.066	488AO6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,674,665:79:0	
91	98	274	21:17:03.066	488AP6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,674,857:79:0	
92	98	274	23:39:59.066	488AP6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,674,999:21:0	
93	98	275	00:54:39.066	488AP6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,675,073:07:0	
94	98	275	01:37:19.066	488AP6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,675,115:25:0	
95	98	275	02:14:18.400	488AP6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,675,151:78:0	
96	98	275	02:41:08.400	488AQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,675,178:36:0	
97	98	275	06:53:29.733	488AQ6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,675,427:89:0	
98	98	275	06:57:19.066	488AQ6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,675,431:69:0	
99	98	275	06:58:59.066	488AQ6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,675,433:37:0	
100	98	275	07:56:24.400	488AQ6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,675,490:18:0	
101	98	275	08:24:49.066	488AR6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,675,518:27:0	
102	98	275	10:45:35.066	488AR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,675,657:47:0	
103	98	275	12:23:00.400	488AR6C	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	4,675,753:79:0	
104	98	275	12:27:11.066	176SB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,675,758:00:0	
105	98	275	16:58:55.066	488AS6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,676,026:68:0	
106	98	275	17:28:47.066	488AS6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	4,676,056:26:0	
107	98	275	17:47:59.066	488AS6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,676,075:25:0	
108	98	275	18:31:00.400	488AS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,676,117:75:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	98	275	18:31:11.066	176SC6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,676,118:00:0	
110	98	275	18:33:21.066	488AS6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,676,120:13:0	
111	98	275	18:37:03.066	488AT6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,676,123:73:0	
112	98	275	19:11:11.066	488AT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,676,157:51:0	
113	98	276	00:50:23.000	488AU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,676,493:03:0	
114	98	276	01:09:35.000	488AU6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,676,512:02:0	
115	98	276	02:09:22.333	488AU6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,676,571:14:0	
116	98	276	02:36:12.333	488AU6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,676,597:63:0	
117	98	276	02:43:27.000	488AU6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,676,604:78:0	
118	98	276	04:48:05.000	488AV6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,676,728:11:0	
119	98	276	04:49:19.000	488AV6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,676,729:31:0	
120	98	276	06:54:07.000	488AV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,676,852:70:0	
121	98	276	07:37:51.000	488AV6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,676,896:02:0	
122	98	276	09:19:57.000	488AV6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,676,997:00:0	
123	98	276	09:22:23.000	488AW6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,676,999:37:0	
124	98	276	09:24:03.000	488AW6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,677,001:05:0	
125	98	276	14:59:27.000	488AW6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,677,332:70:0	
126	98	276	16:43:59.000	488AX6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,677,436:14:0	
127	98	276	17:28:47.000	488AX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,677,480:42:0	
128	98	276	17:35:11.000	488AX6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,677,486:72:0	
129	98	276	17:36:01.666	488AX6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,677,487:57:0	
130	98	276	17:56:31.000	488AX6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,677,507:81:0	
131	98	277	07:31:26.933	488AY6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,678,313:79:0	
132	98	277	08:47:50.933	488AY6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,678,389:39:0	
133	98	277	09:15:40.933	488AY6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,678,416:87:0	
134	98	277	09:18:06.933	488AY6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,678,419:33:0	
135	98	277	09:19:46.933	488AY6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,678,421:01:0	
136	98	277	14:48:46.933	488AZ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,678,746:36:0	
137	98	277	16:39:42.933	488AZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,678,856:10:0	
138	98	277	17:24:30.933	488AZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,678,900:38:0	
139	98	277	17:47:58.933	488AZ6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,678,923:57:0	
140	98	277	21:17:02.933	488BA6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,679,130:36:0	
141	98	277	23:14:22.933	488BA6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,679,246:40:0	
142	98	278	02:45:34.933	488BA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,679,455:29:0	
143	98	278	03:05:46.266	488BA6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,679,475:26:0	
144	98	278	03:13:18.933	488BA6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,679,482:68:0	
145	98	278	06:48:58.266	488BB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,679,696:03:0	
146	98	278	07:27:10.933	488BB6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,679,733:75:0	
147	98	278	09:19:56.933	488BB6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,679,845:32:0	
148	98	278	09:22:22.933	488BB6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,679,847:69:0	
149	98	278	09:24:02.933	488BB6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,679,849:37:0	
150	98	278	14:40:14.866	488BC6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,680,162:12:0	
151	**98**	**278**	**15:00:24.200**	**17NNPCTRLT01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
152	**98**	**278**	**15:00:28.200**	**41FB3A**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,680,182:12:0**	
153	**98**	**278**	**15:00:38.200**	**41FB3B**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,680,182:27:0**	
154	**98**	**278**	**15:00:48.200**	**41FB3C**	**40T2R**		**1 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,680,182:42:0**	
155	**98**	**278**	**15:00:58.200**	**41FB3D**	**40T2R**		**2 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,680,182:57:0**	
156	98	278	16:35:26.866	488BC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,680,276:06:0	
157	98	278	17:20:14.866	488BC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,680,320:34:0	
158	98	278	17:37:18.866	488BC6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,680,337:23:0	
159	98	278	18:26:22.866	488BC6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,680,385:71:0	
160	98	278	18:34:33.533	488BD6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,680,393:79:0	
161	98	278	19:01:23.533	488BD6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,680,420:37:0	
162	98	278	21:04:20.200	176FB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,680,542:00:0	
163	98	278	21:07:28.866	444FB443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,680,545:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	98	278	21:11:28.866	444FB443A4B	7MODE	SPNL	AACS ALL-SPIN LOW	4O0	4	0	4,680,549:06:0	
165	98	278	21:20:28.866	444FB443A4C	7CLK	17.45,0.0	Check S/P Position	4O0	4	0	4,680,557:88:0	
166	98	278	21:23:28.200	125FB4A	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	460	4	0	4,680,560:84:0	
167	98	278	21:23:28.200	125FB	NIMSINIT	GS	##### GROUP START INIT	460	4	0	4,680,560:84:0	
168	98	278	21:24:28.866	125FB4B	37IST	1,2,0,OFF,0,1,1	Chopper ON, Sync, Chopper (Ref)Gain State	4R0	4	0	4,680,561:84:0	
169	98	278	21:25:29.533	125FB4C	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	4R0	4	0	4,680,562:84:0	
170	98	278	21:25:29.533	125FB11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,680,562:84:0	
171	98	278	21:28:31.533	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,680,565:84:0	
172	98	278	21:28:31.533	127FB4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	4,680,565:84:0	
173	98	278	21:28:32.200	127FB4B	37ETB	0A,CA,19,FF,C0,1	Loads wavelength edit table	4R3	4	0	4,680,565:85:0	
174	98	278	21:28:40.200	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,680,566:06:0	
175	98	278	21:28:56.200	432FB6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	4,680,566:30:0	
176	98	278	21:30:56.200	432FC6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	4,680,568:28:0	
177	98	278	21:31:38.200	192FC4A	7CONE	17.0,54.88	Check S/P Position	4R3	4	0	4,680,569:00:0	
178	98	278	21:31:38.866	192FC4B	7CLK	17.0,244.07	Check S/P Position	4R3	4	0	4,680,569:01:0	
179	98	278	21:35:00.200	432FD6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	4,680,572:30:0	
180	98	278	21:45:05.533	432FE6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	4,680,582:28:0	
181	98	278	21:45:42.866	127FE4A	37IOP	0,0	Safe, Grating Start Position =00	4R0	4	0	4,680,582:84:0	
182	98	278	21:45:42.866	127FE	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,680,582:84:0	
183	98	278	21:45:43.533	127FE4B	37ETB	04,C4,02,00,00	Loads wavelength edit table	4R0	4	0	4,680,582:85:0	
184	98	278	21:45:51.533	127FE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	4,680,583:06:0	
185	98	278	21:45:51.533	20FE4A	7SAFE	UNSTOW	S/P TO 153 deg cone	4R0	4	0	4,680,583:06:0	
186	98	278	21:47:44.200	125FE4A	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	460	4	0	4,680,584:84:0	
187	98	278	21:47:44.200	125FE	NIMSINIT	GS	##### GROUP START INIT	460	4	0	4,680,584:84:0	
188	98	278	21:48:44.866	125FE4B	37IST	1,1,0,OFF,0,0,0	Chopper OFF, N/A, 63Hz (Ref)	4O0	4	0	4,680,585:84:0	
189	98	278	21:49:45.533	125FE11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	4,680,586:84:0	
190	98	278	21:49:45.533	125FE4C	37MB	0,0,0,0,0,0	Selects mirror (spatial) edit table	4O0	4	0	4,680,586:84:0	
191	98	278	21:50:57.533	444FF443A4A	7SAFE	UNSTOW	S/P TO 153 deg cone	4O0	4	0	4,680,588:10:0	
192	98	278	21:54:57.533	444FF443A4B	7MODE	CRU	AACS CRUISE MODE	4O0	4	0	4,680,592:06:0	
193	98	278	22:05:04.200	41FG99A	POWER	PWR MODE change	Change to Maneuver/Playback Mode	4O0	4	0	4,680,602:06:0	
194	98	278	22:06:58.200	41FG3G	40T1P	1	PCT Heater 1 ON (primary relay)	4O0	4	0	4,680,603:86:0	
195	98	278	22:07:08.200	41FG3H	40T1P	2	PCT Heater 1 ON (primary relay)	4O0	4	0	4,680,604:10:0	
196	98	278	22:07:18.200	41FG3I	40T2	1	PCT Heater 2 ON	4O0	4	0	4,680,604:25:0	
197	98	278	22:07:28.200	41FG3J	40T2	2	PCT Heater 2 ON	4O0	4	0	4,680,604:40:0	
198	98	278	22:09:10.866	20FH4A	7SAFE	STOP	S/P NO MOVEMENT	4O0	4	0	4,680,606:12:0	
199	98	278	22:10:00.866	20FH4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,680,606:87:0	
200	98	278	22:11:04.200	176FH6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,680,608:00:0	
201	98	278	22:46:34.200	488BD6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,680,643:10:0	
202	98	278	22:48:46.866	488BD6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,680,645:27:0	
203	98	278	22:50:34.200	17NNPCTRLT01-		-----STOP-------		4O0	4	0	: :	
204	98	279	00:39:48.866	488BE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,680,755:10:0	
205	98	279	00:56:46.866	488BE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,680,771:81:0	
206	98	279	02:37:02.866	488BE6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,680,871:05:0	
207	98	279	06:38:14.200	488BE6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,681,109:54:0	
208	98	279	06:40:14.866	488BF6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,681,111:53:0	
209	98	279	06:43:54.200	488BF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,681,115:18:0	
210	98	279	07:27:10.866	488BF6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,681,158:00:0	
211	98	279	09:24:12.866	488BF6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,681,273:68:0	
212	98	279	09:26:38.866	488BF6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,681,276:14:0	
213	98	279	09:28:18.866	488BG6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,681,277:73:0	
214	98	279	12:18:14.200	488BG6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,681,445:78:0	
215	98	279	12:19:26.866	488BG6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,681,447:05:0	
216	98	279	17:19:45.533	488BH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,681,744:06:0	
217	98	279	17:41:34.866	488BH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,681,765:59:0	
218	98	280	00:29:02.800	488BI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,682,168:58:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	98	280	00:52:30.800	488BI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,682,191:77:0	
220	98	280	02:37:02.800	488BI6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,682,295:21:0	
221	98	280	04:28:09.466	488BI6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,682,405:11:0	
222	98	280	04:30:06.800	488BI6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,682,407:05:0	
223	98	280	06:38:50.133	488BJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,682,534:33:0	
224	98	280	07:22:54.800	488BJ6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,682,577:87:0	
225	98	280	09:30:36.800	488BJ6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,682,704:23:0	
226	98	280	09:33:02.800	488BJ6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,682,706:60:0	
227	98	280	09:34:42.800	488BJ6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,682,708:28:0	
228	98	280	14:10:22.800	488BK6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,682,980:86:0	
229	98	280	15:57:36.800	176ST6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,683,087:00:0	
230	98	280	16:02:00.133	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,683,091:31:0	
231	98	280	16:03:00.133	20UQ4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	4,683,092:30:0	
232	98	280	16:05:00.133	20UQ4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,683,094:28:0	
233	98	280	16:10:30.133	20UQ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	4,683,099:68:0	
234	98	280	16:10:30.800	20UQ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	4,683,099:69:0	
235	98	280	16:10:50.800	20UQ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	4,683,100:08:0	
236	98	280	16:10:51.466	20UQ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	4,683,100:09:0	
237	98	280	16:11:11.466	20UQ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,683,100:39:0	
238	98	280	16:11:12.133	20UQ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,683,100:40:0	
239	98	280	16:11:22.133	20UQ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,683,100:55:0	
240	98	280	16:11:22.800	20UQ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,683,100:56:0	
241	98	280	16:11:32.800	20UQ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	4,683,100:71:0	
242	98	280	16:11:33.466	20UQ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	4,683,100:72:0	
243	98	280	16:13:20.133	20UQ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	4,683,102:50:0	
244	98	280	16:13:20.800	20UQ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	4,683,102:51:0	
245	98	280	16:13:40.800	20UQ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	4,683,102:81:0	
246	98	280	16:13:41.466	20UQ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	4,683,102:82:0	
247	98	280	16:14:01.466	20UQ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,683,103:21:0	
248	98	280	16:14:02.133	20UQ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,683,103:22:0	
249	98	280	16:14:12.133	20UQ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,683,103:37:0	
250	98	280	16:14:12.800	20UQ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,683,103:38:0	
251	98	280	16:14:22.800	20UQ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	4,683,103:53:0	
252	98	280	16:14:23.466	20UQ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	4,683,103:54:0	
253	98	280	16:15:20.133	20UQ4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,683,104:48:0	
254	98	280	16:18:22.800	488BK6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,683,107:49:0	
255	98	280	16:40:04.133	20UJ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,683,128:90:0	
256	98	280	16:40:54.133	20UJ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,683,129:74:0	
257	98	280	16:42:06.133	176SU6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,683,131:00:0	
258	98	280	17:13:50.800	488BK6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,683,162:36:0	
259	98	280	17:18:44.133	488BK6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,683,167:21:0	
260	98	280	17:20:14.800	488BK6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,683,168:66:0	
261	98	281	00:31:27.466	488BL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,683,595:18:0	
262	98	281	00:41:50.800	488BL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,683,605:43:0	
263	98	281	01:18:06.800	488BL6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,683,641:31:0	
264	98	281	01:49:43.466	488BL6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,683,672:55:0	
265	98	281	02:16:33.466	488BL6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,683,699:13:0	
266	98	281	06:26:55.400	488BM6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,683,946:69:0	
267	98	281	06:33:46.066	488BM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,683,953:48:0	
268	98	281	07:22:54.733	488BM6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,684,002:12:0	
269	98	281	07:36:08.066	488BM6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,684,015:19:0	
270	98	281	08:00:40.733	488BM6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,684,039:44:0	
271	98	281	09:45:32.733	488BN6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,684,143:18:0	
272	98	281	09:47:58.733	488BN6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,684,145:55:0	
273	98	281	09:49:38.733	488BN6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,684,147:23:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	98	281	13:49:02.733	488BN6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,684,384:02:0	
275	98	281	16:14:06.733	488BO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,684,527:45:0	
276	98	281	17:09:34.733	488BO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,684,582:32:0	
277	98	281	17:12:45.400	488BO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,684,585:45:0	
278	98	281	17:26:38.733	488BO6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,684,599:21:0	
279	98	282	06:28:41.400	488BP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,685,372:62:0	
280	98	282	07:22:54.733	488BP6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,685,426:28:0	
281	98	282	10:09:00.733	488BP6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,685,590:53:0	
282	98	282	10:11:26.733	488BP6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,685,592:90:0	
283	98	282	10:13:06.733	488BP6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,685,594:58:0	
284	98	282	13:08:30.666	488BQ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,685,768:10:0	
285	98	282	16:03:26.666	488BQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,685,941:11:0	
286	98	282	17:05:18.666	488BQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,686,002:28:0	
287	98	282	17:07:18.666	488BQ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,686,004:26:0	
288	98	282	17:13:50.666	488BQ6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,686,010:68:0	
289	98	282	17:24:30.666	488BR6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,686,021:27:0	
290	98	283	00:29:31.333	488BS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,686,441:58:0	
291	98	283	00:41:50.666	488BS6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,686,453:75:0	
292	98	283	02:56:14.666	488BS6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,686,586:68:0	
293	98	283	06:17:36.000	488BS6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,686,785:81:0	
294	98	283	06:18:54.666	488BS6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,686,787:17:0	
295	98	283	06:23:37.333	488BT6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,686,791:77:0	
296	98	283	07:22:54.666	488BT6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,686,850:44:0	
297	98	283	15:54:54.666	488BU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,687,356:78:0	
298	98	283	16:58:54.666	488BU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,687,420:14:0	
299	98	283	17:15:58.666	488BU6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,687,437:03:0	
300	98	283	18:13:31.266	488BU6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,687,493:86:0	
301	98	283	18:34:54.600	488BU6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,687,515:09:0	
302	98	283	18:40:46.600	488BV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,687,520:82:0	
303	98	284	01:09:34.600	488BW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,687,905:39:0	
304	98	284	02:28:30.600	488BW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,687,983:45:0	
305	98	284	02:47:42.600	488BW6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,688,002:44:0	
306	98	284	03:06:54.600	488BW6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,688,021:43:0	
307	98	284	03:31:19.933	488BW6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,688,045:57:0	
308	98	284	03:55:52.600	488BX6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,688,069:82:0	
309	98	284	04:12:59.266	488BX6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,688,086:75:0	
310	98	284	04:15:10.600	488BX6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,688,088:90:0	
311	98	284	06:18:33.266	488BX6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,688,211:01:0	
312	98	284	07:22:54.600	488BX6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,688,274:60:0	
313	98	284	15:44:14.600	488BY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,688,770:44:0	
314	98	284	16:54:38.600	488BY6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,688,840:10:0	
315	98	284	17:15:58.600	488BY6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,688,861:19:0	
316	98	284	17:30:54.600	488BY6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,688,875:89:0	
317	98	284	23:31:11.266	488BZ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,689,232:27:0	
318	98	284	23:33:34.600	488BZ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,689,234:60:0	
319	98	285	00:14:22.600	488BZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,689,275:01:0	
320	98	285	00:41:50.600	488BZ6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,689,302:16:0	
321	98	285	03:32:30.533	488BZ6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,689,470:88:0	
322	98	285	06:48:46.533	488CA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,689,665:07:0	
323	98	285	09:50:06.533	488CA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,689,844:38:0	
324	98	285	10:09:37.200	488CA6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,689,863:65:0	
325	98	285	10:13:34.533	488CA6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,689,867:57:0	
326	98	285	16:41:06.533	488CB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,690,250:82:0	
327	98	285	17:07:26.533	488CB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,690,276:86:0	
328	98	285	18:03:40.533	488CB6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,690,332:51:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	98	285	18:32:46.533	488CB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,690,361:31:0	
330	98	285	18:41:18.533	488CB6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,690,369:71:0	
331	98	286	00:03:26.533	488CC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,690,688:34:0	
332	98	286	00:37:34.533	488CC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,690,722:12:0	
333	98	286	01:25:05.866	488CC6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,690,769:12:0	
334	98	286	01:51:55.200	488CC6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,690,795:60:0	
335	98	286	04:01:21.200	488CC6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,690,923:61:0	
336	98	286	04:04:30.533	488CD6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,690,926:72:0	
337	98	286	16:49:15.800	488CE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,691,683:13:0	
338	98	286	17:37:18.466	488CE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,691,730:60:0	
339	98	287	01:39:26.466	488CF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,692,207:45:0	
340	98	287	02:23:05.800	488CF6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,692,250:61:0	
341	98	287	02:24:14.466	488CF6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,692,251:73:0	
342	98	287	02:32:46.466	488CF6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,692,260:22:0	
343	98	287	03:53:19.133	488CF6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,692,339:82:0	
344	98	287	09:33:02.466	488CG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,692,675:81:0	
345	98	287	10:02:37.800	488CG6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,692,705:14:0	
346	98	287	10:02:54.466	488CG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,692,705:39:0	
347	98	287	16:40:57.133	488CH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,693,099:09:0	
348	98	287	17:07:26.466	488CH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,693,125:27:0	
349	98	287	17:53:50.400	488CH6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,693,171:17:0	
350	98	287	18:22:56.400	488CH6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,693,199:88:0	
351	98	287	19:06:54.400	488CH6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,693,243:41:0	
352	98	287	23:54:54.400	488CI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,693,528:26:0	
353	98	288	00:37:34.400	488CI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,693,570:44:0	
354	98	288	01:20:14.400	488CI6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,693,612:62:0	
355	98	288	01:47:04.400	488CI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,693,639:20:0	
356	98	288	03:55:21.066	488CI6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,693,766:08:0	
357	98	288	03:58:06.400	488CJ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,693,768:74:0	
358	98	288	16:30:52.400	488CK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,694,513:28:0	
359	98	288	16:46:06.400	488CK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,694,528:34:0	
360	98	288	17:41:34.400	488CK6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,694,583:21:0	
361	98	288	23:59:10.400	488CL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,694,956:62:0	
362	98	289	00:37:34.400	488CL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,694,994:60:0	
363	98	289	09:13:50.333	488CM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,695,505:23:0	
364	98	289	09:54:22.333	488CM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,695,545:31:0	
365	98	289	09:57:10.333	488CM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,695,548:10:0	
366	98	289	16:30:47.666	488CN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,695,937:37:0	
367	98	289	17:01:02.333	488CN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,695,967:29:0	
368	98	289	17:48:59.666	488CN6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,696,014:68:0	
369	98	289	18:18:05.666	488CN6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,696,043:48:0	
370	98	289	20:25:50.333	488CN6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,696,169:79:0	
371	98	289	22:18:54.333	488CO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,696,281:63:0	
372	98	290	00:41:50.333	488CO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,696,423:05:0	
373	98	290	01:15:24.333	488CO6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,696,456:23:0	
374	98	290	01:42:14.333	488CO6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,696,482:72:0	
375	98	290	03:46:00.333	488CO6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,696,605:18:0	
376	98	290	03:49:34.333	488CP6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,696,608:66:0	
377	98	290	16:25:43.600	488CQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,697,356:52:0	
378	98	290	16:41:50.266	488CQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,697,372:46:0	
379	98	290	17:52:14.266	488CQ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,697,442:12:0	
380	98	290	23:37:50.266	488CR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,697,783:85:0	
381	98	290	23:59:10.266	488CR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,697,805:03:0	
382	98	291	00:41:50.266	488CR6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,697,847:21:0	
383	98	291	08:54:38.266	488CS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,698,334:56:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	98	291	09:43:42.266	488CS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,698,383:13:0	
385	98	291	09:47:00.266	488CS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,698,386:37:0	
386	98	291	16:20:38.200	488CT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,698,775:65:0	
387	98	291	16:41:50.200	488CT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,698,796:62:0	
388	98	291	18:00:46.200	488CT6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,698,874:68:0	
389	98	291	23:37:50.200	488CU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,699,208:10:0	
390	98	292	00:11:58.200	488CU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,699,241:79:0	
391	98	292	00:59:10.200	488CU6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,699,288:50:0	
392	98	292	01:28:16.866	488CU6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,699,317:31:0	
393	98	292	02:30:38.200	488CU6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,699,379:01:0	
394	98	292	06:53:02.200	488CV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,699,638:48:0	
395	98	292	09:18:06.200	488CV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,699,782:00:0	
396	98	292	09:41:55.533	488CV6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,699,805:51:0	
397	98	292	16:15:33.533	488CW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,700,194:79:0	
398	98	292	16:35:26.200	488CW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,700,214:48:0	
399	98	292	18:07:10.200	488CW6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,700,305:23:0	
400	98	292	23:48:30.200	488CX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,700,642:76:0	
401	98	293	00:46:06.133	488CX6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,700,699:73:0	
402	98	293	08:29:02.133	488CY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,701,157:59:0	
403	98	293	09:28:46.133	488CY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,701,216:66:0	
404	98	293	09:36:50.133	488CY6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,701,224:64:0	
405	98	293	16:10:28.133	488CZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,701,614:01:0	
406	98	293	16:35:26.133	488CZ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,701,638:64:0	
407	98	293	18:15:42.133	488CZ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,701,737:79:0	
408	98	293	23:52:46.133	488DA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,702,071:21:0	
409	98	294	01:37:18.133	488DA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,702,174:56:0	
410	98	294	01:56:47.466	488DA6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,702,193:81:0	
411	98	294	02:07:10.133	488DA6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,702,204:14:0	
412	98	294	03:27:45.466	488DA6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,702,283:78:0	
413	98	294	08:18:22.066	488DB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,702,571:25:0	
414	98	294	09:22:22.066	488DB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,702,634:52:0	
415	98	294	09:36:32.733	488DB6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,702,648:54:0	
416	98	294	09:43:42.066	488DB6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,702,655:61:0	
417	98	294	09:54:22.066	488DB6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,702,666:20:0	
418	98	294	16:45:23.400	488DC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,703,072:66:0	
419	98	294	17:05:18.066	488DC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,703,092:38:0	
420	98	294	17:54:24.733	488DC6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,703,140:90:0	
421	98	294	18:23:30.733	488DC6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,703,169:70:0	
422	98	294	23:22:54.066	488DD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,703,465:79:0	
423	98	294	23:46:22.066	488DD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,703,489:07:0	
424	98	295	00:44:25.400	488DD6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,703,546:45:0	
425	98	295	01:05:18.066	488DD6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,703,567:13:0	
426	98	295	01:11:33.400	488DD6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,703,573:30:0	
427	98	295	08:07:42.066	488DE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,703,984:82:0	
428	98	295	09:18:06.066	488DE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,704,054:48:0	
429	98	295	09:26:40.066	488DE6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,704,063:00:0	
430	98	295	16:05:17.333	488DF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,704,457:22:0	
431	98	295	16:31:10.000	488DF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,704,482:76:0	
432	98	295	18:30:38.000	488DF6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,704,600:90:0	
433	98	295	23:22:54.000	488DG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,704,890:04:0	
434	98	295	23:37:50.000	488DG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,704,904:74:0	
435	98	296	00:05:34.000	488DG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,704,932:22:0	
436	98	296	00:54:31.333	488DG6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,704,980:60:0	
437	98	296	01:23:37.333	488DG6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,705,009:40:0	
438	98	296	08:48:14.000	488DH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,705,449:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
439	98	296	09:21:35.333	488DH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,705,482:14:0
440	98	296	16:00:12.666	488DI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,705,876:36:0
441	98	296	17:05:18.000	488DI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,705,940:70:0
442	98	296	17:19:34.666	488DI6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,705,954:81:0
443	98	296	17:48:40.666	488DI6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,705,983:61:0
444	98	296	18:43:00.000	488DI6E	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,706,037:36:0
445	98	296	18:47:39.333	176SD6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,706,042:00:0
446	98	296	18:59:00.000	20BA4C	7STAT	17.45,264.0564,3	Stator inertial point	4O0	4	0	4,706,053:20:0
447	98	296	19:20:00.000	474BA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,706,073:90:0
448	98	296	19:22:00.000	474BA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,706,075:88:0
449	98	296	19:22:20.000	20BA4D	7STAT	17.45,264.0564,3	Stator inertial point	4O0	4	0	4,706,076:27:0
450	98	296	19:26:14.000	474BA416A4E	7BURN	,264.056396,32.6	ALERT -- Thruster fire	4O0	4	0	4,706,080:14:0
451	98	296	19:32:43.333	20BA4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,706,086:52:0
452	98	296	19:38:35.333	20BA4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,706,092:34:0
453	98	296	20:02:51.333	20BA4J	7STAT	17.45,264.0564,3	Stator inertial point	4O0	4	0	4,706,116:34:0
454	98	296	20:05:51.333	20BA4M	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,706,119:31:0
455	98	296	20:07:51.333	474BA416A4G	7BURN	264.056396,32.65	ALERT -- Thruster fire	4O0	4	0	4,706,121:29:0
456	98	296	20:31:50.000	20BA4O	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,706,145:03:0
457	98	296	20:36:42.000	20BA4P	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,706,149:77:0
458	98	296	21:44:14.000	20BB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,706,216:58:0
459	98	296	21:45:04.000	20BB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,706,217:42:0
460	98	296	21:46:37.333	176BA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,706,219:00:0
461	98	296	23:22:53.933	488DJ6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	4,706,314:20:0
462	98	296	23:44:13.933	488DJ6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,706,335:29:0
463	98	297	00:20:59.933	488DJ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,706,371:62:0
464	98	297	00:21:19.266	176SE6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,706,372:00:0
465	98	297	00:44:36.600	488DJ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,706,395:03:0
466	98	297	01:05:17.933	488DJ6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,706,415:45:0
467	98	297	01:11:41.266	488DK6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,706,421:74:0
468	98	297	07:52:45.933	488DL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,706,818:44:0
469	98	297	09:07:25.933	488DL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,706,892:30:0
470	98	297	09:11:29.266	488DL6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,706,896:31:0
471	98	297	09:56:38.600	176SN6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,706,941:00:0
472	98	297	10:02:42.600		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2019.42 +/-	4O0	4	0	4,706,947:00:0
473	98	297	10:02:42.600	465SA6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	4,706,947:00:0
474	98	297	10:02:42.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2019.42 +/-	4O0	4	0	4,706,947:00:0
475	98	297	10:02:49.266		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2019.42 +/-	4O0	4	0	4,706,947:10:0
476	98	297	10:02:50.666		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *2019.54 +/-	4O0	4	0	4,706,947:12:1
477	98	297	13:34:37.400		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	4,707,156:53:2
478	98	297	13:34:38.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	4,707,156:55:0
479	98	297	15:55:07.266	488DM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,707,295:49:0
480	98	297	15:56:23.933	465SB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,707,296:73:0
481	98	297	15:56:23.933		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	4,707,296:73:0
482	98	297	15:56:25.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	4,707,296:75:1
483	98	297	15:56:30.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	4,707,296:83:0
484	98	297	15:56:31.800		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	4,707,296:84:8
485	98	297	15:56:35.666		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	4,707,296:90:6
486	98	297	15:56:35.666		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	4,707,296:90:6
487	98	297	16:22:15.933	465SB6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,707,322:35:0
488	98	297	16:22:15.933		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	4,707,322:35:0
489	98	297	16:22:17.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	4,707,322:36:8
490	98	297	17:01:01.933	488DM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,707,360:66:0
491	98	297	17:14:40.600	488DM6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,707,374:20:0
492	98	297	17:43:46.600	488DM6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,707,403:00:0
493	98	297	18:20:03.933	465SC6A	6DTRN	CMD,6DTRN,465SC6	DMS TRACK TURNAROUND	4O0	4	0	4,707,438:81:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
494	98	297	18:20:03.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	4,707,438:81:0
495	98	297	18:20:03.933		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	4,707,438:81:0
496	98	297	18:20:05.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	4,707,438:83:1
497	98	297	18:20:10.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	4,707,439:00:0
498	98	297	18:20:11.800		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	4,707,439:01:8
499	98	297	18:20:13.200		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	4,707,439:03:9
500	98	297	18:24:09.933	488DM6E	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,707,442:86:0
501	98	297	18:24:13.866		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	4,707,443:00:9
502	98	297	18:24:15.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	4,707,443:02:7
503	98	297	18:24:15.066		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	4,707,443:02:7
504	98	297	18:24:16.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	4,707,443:04:8
505	98	297	18:24:28.466		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	4,707,443:22:8
506	98	297	18:24:29.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	4,707,443:24:6
507	98	297	18:30:06.600	465SD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,707,448:75:0
508	98	297	18:30:06.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,707,448:75:0
509	98	297	18:30:13.266		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,707,448:85:0
510	98	297	18:30:17.133		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	4,707,448:90:8
511	98	297	18:30:17.133		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	4,707,448:90:8
512	98	297	19:02:00.600		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	4,707,480:34:0
513	98	297	19:02:00.600	465SD6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	4,707,480:34:0
514	98	297	19:02:01.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	4,707,480:35:8
515	98	297	19:17:36.600	465SE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,707,495:73:0
516	98	297	19:17:36.600		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	4,707,495:73:0
517	98	297	19:17:38.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	4,707,495:75:1
518	98	297	19:17:43.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	4,707,495:83:0
519	98	297	19:17:44.466		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	4,707,495:84:8
520	98	297	19:17:48.333		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	4,707,495:90:6
521	98	297	19:17:48.333		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	4,707,495:90:6
522	98	297	19:49:44.600	465SF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,707,527:53:0
523	98	297	19:49:44.600		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	4,707,527:53:0
524	98	297	19:49:45.800		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	4,707,527:54:8
525	98	297	19:49:49.666		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	4,707,527:60:6
526	98	297	19:49:49.666		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	4,707,527:60:6
527	98	297	20:21:45.266	465SF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,707,559:22:0
528	98	297	20:21:45.266		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	4,707,559:22:0
529	98	297	20:21:46.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	4,707,559:23:8
530	98	297	20:36:28.600	465SG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,707,573:73:0
531	98	297	20:36:28.600		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	4,707,573:73:0
532	98	297	20:36:30.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	4,707,573:75:1
533	98	297	20:36:35.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	4,707,573:83:0
534	98	297	20:36:36.466		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	4,707,573:84:8
535	98	297	20:36:40.333		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	4,707,573:90:6
536	98	297	20:36:40.333		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	4,707,573:90:6
537	98	297	21:08:35.933		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	4,707,605:52:0
538	98	297	21:08:35.933	465SH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,707,605:52:0
539	98	297	21:08:37.133		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	4,707,605:53:8
540	98	297	21:08:41.000		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	4,707,605:59:6
541	98	297	21:08:41.000		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	4,707,605:59:6
542	98	297	21:09:41.933		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	4,707,606:60:0
543	98	297	21:09:41.933	465SH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,707,606:60:0
544	98	297	21:09:43.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	4,707,606:61:8
545	98	297	21:10:59.933	488DN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,707,607:86:0
546	98	297	21:24:11.933		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	4,707,621:00:0
547	98	297	21:24:11.933	465SI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,707,621:00:0
548	98	297	21:25:05.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	4,707,621:81:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
549	98	297	21:25:05.933	465SJ6A	6DTRN	CMD,6DTRN,465SJ6	DMS TRACK TURNAROUND	4O0	4	0	4,707,621:81:0
550	98	297	21:25:05.933		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	4,707,621:81:0
551	98	297	21:25:07.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	4,707,621:83:1
552	98	297	21:25:12.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	4,707,622:00:0
553	98	297	21:25:13.800		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	4,707,622:01:8
554	98	297	21:25:15.200		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	4,707,622:03:9
555	98	297	21:36:41.000		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	4,707,633:31:6
556	98	297	21:36:42.200		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	4,707,633:33:4
557	98	297	21:36:42.200		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	4,707,633:33:4
558	98	297	21:36:43.600		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	4,707,633:35:5
559	98	297	21:36:55.600		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	4,707,633:53:5
560	98	297	21:36:56.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	4,707,633:55:3
561	98	297	21:55:04.600	20UG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,707,651:49:0
562	98	297	21:55:54.600	20UG4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,707,652:33:0
563	98	297	21:57:33.933	176SO6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,707,654:00:0
564	98	297	23:18:37.933	488DN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,707,734:16:0
565	98	297	23:39:57.933	488DN6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,707,755:25:0
566	98	298	00:39:41.266	488DN6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,707,814:31:0
567	98	298	01:01:01.933	488DN6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,707,835:41:0
568	98	298	01:06:55.933	488DO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,707,841:26:0
569	98	298	07:52:45.866	488DP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,708,242:60:0
570	98	298	09:03:09.866	488DP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,708,312:26:0
571	98	298	09:11:24.533	488DP6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,708,320:40:0
572	98	298	15:50:02.533	488DQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,708,714:63:0
573	98	298	16:20:29.866	488DQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,708,744:74:0
574	98	298	18:26:21.866	488DQ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,708,869:27:0
575	98	298	23:07:57.866	488DR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,709,147:73:0
576	98	298	23:31:25.866	488DR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,709,171:01:0
577	98	299	00:39:41.866	488DR6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,709,238:48:0
578	98	299	07:48:29.866	488DS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,709,662:56:0
579	98	299	08:58:53.866	488DS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,709,732:22:0
580	98	299	09:06:13.866	488DS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,709,739:45:0
581	98	299	09:13:49.866	488DS6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,709,747:01:0
582	98	299	15:46:16.466	488DT6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,710,135:13:0
583	98	299	15:54:53.800	488DT6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,710,143:61:0
584	98	299	16:50:21.800	488DT6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,710,198:48:0
585	98	299	17:04:50.466	488DT6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,710,212:77:0
586	98	299	17:33:56.466	488DT6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,710,241:57:0
587	98	299	17:57:34.466	176SV6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,710,265:00:0
588	98	299	18:02:00.466	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,710,269:35:0
589	98	299	18:03:00.466	20UR4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	4,710,270:34:0
590	98	299	18:05:00.466	20UR4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,710,272:32:0
591	98	299	18:10:30.466	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	4,710,277:72:0
592	98	299	18:10:31.133	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	4,710,277:73:0
593	98	299	18:10:51.133	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	4,710,278:12:0
594	98	299	18:10:51.800	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	4,710,278:13:0
595	98	299	18:11:11.800	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,710,278:43:0
596	98	299	18:11:12.466	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,710,278:44:0
597	98	299	18:11:22.466	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,710,278:59:0
598	98	299	18:11:23.133	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,710,278:60:0
599	98	299	18:11:33.133	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	4,710,278:75:0
600	98	299	18:11:33.800	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	4,710,278:76:0
601	98	299	18:13:20.466	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	4,710,280:54:0
602	98	299	18:13:21.133	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	4,710,280:55:0
603	98	299	18:13:41.133	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	4,710,280:85:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	98	299	18:13:41.800	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	4,710,280:86:0	
605	98	299	18:14:01.800	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,710,281:25:0	
606	98	299	18:14:02.466	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,710,281:26:0	
607	98	299	18:14:12.466	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,710,281:41:0	
608	98	299	18:14:13.133	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,710,281:42:0	
609	98	299	18:14:23.133	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	4,710,281:57:0	
610	98	299	18:14:23.800	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	4,710,281:58:0	
611	98	299	18:15:20.466	20UR4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,710,282:52:0	
612	98	299	18:40:04.466	20UK4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,710,307:03:0	
613	98	299	18:40:54.466	20UK4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,710,307:78:0	
614	98	299	18:42:03.800	176SW6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,710,309:00:0	
615	98	300	00:39:41.800	488DU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,710,662:64:0	
616	98	300	01:46:15.800	488DU6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,710,728:49:0	
617	98	300	02:13:05.133	488DU6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,710,755:06:0	
618	98	300	07:48:29.800	488DV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,711,086:72:0	
619	98	300	08:56:45.800	488DV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,711,154:28:0	
620	98	300	09:06:13.133	488DV6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,711,163:60:0	
621	98	300	09:15:57.800	488DV6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,711,173:27:0	
622	98	300	16:43:04.466	488DW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,711,615:45:0	
623	98	300	18:00:45.800	488DW6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,711,692:30:0	
624	98	300	23:18:37.733	488DX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,712,006:64:0	
625	98	301	01:03:09.733	488DX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,712,110:08:0	
626	98	301	01:16:10.400	488DX6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,712,122:87:0	
627	98	301	01:24:29.733	488DX6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,712,131:17:0	
628	98	301	03:02:08.400	488DX6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,712,227:69:0	
629	98	301	07:52:45.733	488DY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,712,515:17:0	
630	98	301	08:51:41.733	488DY6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,712,573:43:0	
631	98	301	08:52:29.733	488DY6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,712,574:24:0	
632	98	301	09:01:01.733	488DY6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,712,582:64:0	
633	98	301	16:57:58.400	488DZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,713,054:37:0	
634	98	301	18:10:01.733	488DZ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,713,125:61:0	
635	98	301	18:39:07.733	488DZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,713,154:41:0	
636	98	302	00:26:53.733	488EA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,713,498:36:0	
637	98	302	01:21:04.400	488EA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,713,551:89:0	
638	98	302	01:30:53.733	488EA6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,713,561:63:0	
639	98	302	03:42:03.066	488EA6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,713,691:37:0	
640	98	302	07:52:45.666	488EB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,713,939:33:0	
641	98	302	08:51:38.333	488EB6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,713,997:54:0	
642	98	302	08:52:29.666	488EB6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,713,998:40:0	
643	98	302	15:39:40.333	488EC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,714,401:13:0	
644	98	302	16:01:17.666	488EC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,714,422:48:0	
645	98	302	17:35:09.666	488EC6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,714,515:33:0	
646	98	302	23:27:09.666	488ED6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,714,863:45:0	
647	98	303	00:26:53.666	488ED6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,714,922:52:0	
648	**98**	**303**	**06:00:03.000**	**17NNRCTRLT01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
649	98	303	06:00:03.000	41XE99A	**POWER**	**PWR MODE change**	Change to Calib/Decon Mode	4O0	4	0	4,715,252:06:0	
650	**98**	**303**	**06:00:07.000**	**41XE3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,715,252:12:0**	
651	**98**	**303**	**06:00:17.000**	**41XE3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,715,252:27:0**	
652	**98**	**303**	**06:00:27.000**	**41XE3K**	**40T2R**		**1 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,715,252:42:0**	
653	**98**	**303**	**06:00:37.000**	**41XE3L**	**40T2R**		**2 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,715,252:57:0**	
654	98	303	06:11:06.333	176XU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,715,263:00:0	
655	98	303	06:14:12.333	20XE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,715,266:06:0	
656	98	303	06:18:19.000	20DA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,715,270:12:0	
657	98	303	06:19:09.000	20DA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,715,270:87:0	
658	98	303	06:21:13.000	176XV6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,715,273:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	98	303	06:22:13.666	185XE10A3A	40HRP	1	RCT Heater ON (primary relay)	4O0	4	0	4,715,274:00:0	
660	98	303	06:22:19.000	185XE10B3A	40HRP	2	RCT Heater ON (primary relay)	4O0	4	0	4,715,274:08:0	
661	98	303	07:52:45.666	488EE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,715,363:49:0	
662	98	303	08:46:49.666	488EE6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,715,417:01:0	
663	98	303	08:48:13.666	488EE6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,715,418:36:0	
664	98	303	15:39:34.266	488EF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,715,825:20:0	
665	98	303	15:54:53.600	488EF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,715,840:34:0	
666	98	303	17:20:13.600	488EF6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,715,924:70:0	
667	98	303	18:17:00.266	125XE	NIMSINIT	GS	##### GROUP START INIT	4O0	4	0	4,715,980:84:0	
668	98	303	18:17:00.266	125XE4A	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	460	4	0	4,715,980:84:0	
669	98	303	18:18:00.933	125XE4B	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	4R0	4	0	4,715,981:84:0	
670	98	303	18:19:01.600	125XE4C	37IST	0,2,0,OFF,0,1,3	Gain State 1	1R0	4	0	4,715,982:84:0	
671	98	303	18:20:02.266	125XE11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	4,715,983:84:0	
672	98	303	18:20:02.266	125XE4D	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	1R0	4	0	4,715,983:84:0	
673	98	303	18:22:03.600	127XE	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	4,715,985:84:0	
674	98	303	18:22:03.600	127XE4A	37IOP	3,0	Long Map, Grating Start Position =00	1R3	4	0	4,715,985:84:0	
675	98	303	18:22:04.266	127XE4B	37ETB	0A,CA,18,03,FF,1	Loads wavelength edit table	1R3	4	0	4,715,985:85:0	
676	98	303	18:22:12.266	127XE11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	4,715,986:06:0	
677	98	303	18:26:10.933	176XE6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	4,715,990:00:0	
678	98	303	18:32:14.933	192XE4A	7CONE	17.0,119.7	Check S/P Position	1R3	4	0	4,715,996:00:0	
679	98	303	18:34:36.266	432XE6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	1R3	4	0	4,715,998:30:0	
680	98	303	18:35:35.600	432XF6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	1R3	4	0	4,715,999:28:0	
681	98	303	18:38:18.933	192XE4B	7CONE	17.0,0.0	Check S/P Position	1R3	4	0	4,716,002:00:0	
682	98	303	18:40:40.266	432XU6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	1R3	4	0	4,716,004:30:0	
683	98	303	18:42:40.266	432XV6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	1R3	4	0	4,716,006:28:0	
684	98	303	18:44:22.933	192XE4C	7CONE	17.0,119.7	Check S/P Position	1R3	4	0	4,716,008:00:0	
685	98	303	18:46:24.266	185XE10C3A	40HRPR	1	RCT Heater OFF (primary relay)	1R3	4	0	4,716,010:00:0	
686	98	303	18:46:29.600	185XE10D3A	40HRPR	2	RCT Heater OFF (primary relay)	1R3	4	0	4,716,010:08:0	
687	98	303	18:46:44.266	432XW6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	1R3	4	0	4,716,010:30:0	
688	98	303	18:47:43.600	432XY6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	1R3	4	0	4,716,011:28:0	
689	98	303	18:49:21.600	125DC11A	NIMSINIT	GE	##### GROUP END INIT	1R3	4	0	4,716,012:84:0	
690	98	303	18:49:21.600	125DC	NIMSINIT	GS	##### GROUP START INIT	1R3	4	0	4,716,012:84:0	
691	98	303	18:49:21.600	125DC4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R3	4	0	4,716,012:84:0	
692	98	303	18:50:22.266	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,716,013:84:0	
693	98	303	18:50:22.266	127DC4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	4,716,013:84:0	
694	98	303	18:50:22.933	127DC4B	37ETB	07,C7,31,80,00,0	Loads wavelength edit table	4R3	4	0	4,716,013:85:0	
695	98	303	18:50:26.933	192XE4D	7CONE	17.0,153.0	Check S/P Position	4R3	4	0	4,716,014:00:0	
696	98	303	18:50:30.933	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,716,014:06:0	
697	98	303	18:50:46.933	432DC6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	4,716,014:30:0	
698	98	303	18:51:22.933	125DD	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,716,014:84:0	
699	98	303	18:51:22.933	125DD11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,716,014:84:0	
700	98	303	18:51:22.933	125DD4A	37IST	0,2,1,OFF,1,0,1	OPCAL	4R3	4	0	4,716,014:84:0	
701	98	303	18:53:24.266	125DE	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,716,016:84:0	
702	98	303	18:53:24.266	125DE11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,716,016:84:0	
703	98	303	18:53:24.266	125DE4A	37IST	0,2,1,OFF,1,0,1	OPCAL	4R3	4	0	4,716,016:84:0	
704	98	303	18:53:47.600	432DE6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	4,716,017:28:0	
705	98	303	18:57:26.933	127XF4A	37IOP	0,0	Safe, Grating Start Position =00	4R0	4	0	4,716,020:84:0	
706	98	303	18:57:26.933	127XF	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,716,020:84:0	
707	98	303	18:57:27.600	127XF4B	37ETB	04,C4,02,00,00	Loads wavelength edit table	4R0	4	0	4,716,020:85:0	
708	98	303	18:57:35.600	127XF11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	4,716,021:06:0	
709	98	303	19:00:28.933	125XF4A	37MB	0,0,0,0,0,0	Selects mirror (spatial) edit table	4R0	4	0	4,716,023:84:0	
710	98	303	19:00:28.933	125XF	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,716,023:84:0	
711	98	303	19:01:29.600	125XF4B	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	460	4	0	4,716,024:84:0	
712	98	303	19:02:30.266	125XF11A	NIMSINIT	GE	##### GROUP END INIT	460	4	0	4,716,025:84:0	
713	98	303	19:02:30.266	125XF4C	37IST	1,1,0,OFF,0,0,0	Chopper OFF, N/A, 63Hz (Ref)	4O0	4	0	4,716,025:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	98	303	19:08:42.933	41XU99A	POWER	PWR MODE change	Change to Maneuver/Playback Mode	4O0	4	0	4,716,032:06:0	
715	98	303	19:10:36.933	41XU3G	40T1P		1 PCT Heater 1 ON (primary relay)	4O0	4	0	4,716,033:86:0	
716	98	303	19:10:46.933	41XU3H	40T1P		2 PCT Heater 1 ON (primary relay)	4O0	4	0	4,716,034:10:0	
717	98	303	19:10:56.933	41XU3I	40T2		1 PCT Heater 2 ON	4O0	4	0	4,716,034:25:0	
718	98	303	19:11:06.933	41XU3J	40T2		2 PCT Heater 2 ON	4O0	4	0	4,716,034:40:0	
719	98	303	19:15:47.666	17NNRCTRLT01-		-----STOP-------		4O0	4	0	: :	
720	98	303	19:18:53.600	20DB4A	7SAFE	STOP	S/P NO MOVEMENT	4O0	4	0	4,716,042:12:0	
721	98	303	19:19:43.600	20DB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,716,042:87:0	
722	98	303	19:21:47.600	176XF6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,716,045:00:0	
723	98	303	22:46:37.600	488EG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,716,247:53:0	
724	98	303	23:25:01.600	488EG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,716,285:51:0	
725	98	304	00:15:14.266	488EG6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,716,335:20:0	
726	98	304	00:44:20.933	488EG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,716,364:01:0	
727	98	304	01:50:05.600	488EG6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,716,429:03:0	
728	98	304	06:01:49.600	488EH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,716,678:00:0	
729	98	304	08:22:37.600	488EH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,716,817:23:0	
730	98	304	08:50:50.933	488EH6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,716,845:15:0	
731	98	304	15:29:29.600	488EI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,717,239:39:0	
732	98	304	15:50:37.600	488EI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,717,260:30:0	
733	98	304	17:09:33.600	488EI6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,717,338:36:0	
734	98	304	22:57:17.533	488EJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,717,682:28:0	
735	98	304	23:50:37.533	488EJ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,717,735:05:0	
736	98	305	07:52:45.533	488EK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,718,211:81:0	
737	98	305	08:41:14.200	488EK6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,718,259:76:0	
738	98	305	08:41:49.533	488EK6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,718,260:38:0	
739	98	305	15:24:23.533	488EL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,718,658:51:0	
740	98	305	15:44:13.533	488EL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,718,678:16:0	
741	98	305	17:01:01.533	488EL6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,718,754:12:0	
742	98	305	22:38:05.533	488EM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,719,087:45:0	
743	98	305	22:59:25.533	488EM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,719,108:54:0	
744	98	305	23:39:57.533	488EM6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,719,148:62:0	
745	98	306	07:52:45.466	488EN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,719,636:06:0	
746	98	306	08:37:33.466	488EN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,719,680:34:0	
747	98	306	08:40:40.133	488EN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,719,683:41:0	
748	98	306	15:29:17.466	488EO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,720,087:53:0	
749	98	306	16:20:29.466	488EO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,720,138:20:0	
750	98	306	16:40:29.466	488EO6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,720,158:00:0	
751	98	306	17:09:35.466	488EO6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,720,186:71:0	
752	98	307	00:20:29.466	488EP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,720,612:86:0	
753	98	307	00:29:01.466	488EP6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,720,621:35:0	
754	98	307	01:46:54.800	488EP6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,720,698:38:0	
755	98	307	02:13:44.133	488EP6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,720,724:86:0	
756	98	307	07:52:45.466	488EQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,721,060:22:0	
757	98	307	08:30:52.800	488EQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,721,097:86:0	
758	98	307	08:31:09.466	488EQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,721,098:20:0	
759	98	307	08:39:41.466	488EQ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,721,106:60:0	
760	98	307	16:27:24.733	488ER6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,721,569:22:0	
761	98	307	16:39:41.400	488ER6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,721,581:35:0	
762	98	307	23:37:49.400	488ES6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,721,994:84:0	
763	98	308	00:26:53.400	488ES6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,722,043:41:0	
764	98	308	07:46:21.400	488ET6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,722,478:08:0	
765	98	308	08:28:14.733	488ET6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,722,519:47:0	
766	98	308	08:35:25.400	488ET6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,722,526:56:0	
767	98	308	16:56:26.066	488EU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,723,022:11:0	
768	98	308	23:37:49.333	488EV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,723,419:09:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	98	309	00:41:49.333	488EV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,723,482:36:0	
770	98	309	00:55:25.333	488EV6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,723,495:77:0	
771	98	309	01:05:17.333	488EV6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,723,505:55:0	
772	98	309	02:26:23.333	488EV6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,723,585:74:0	
773	98	309	03:42:06.666	488EW6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,723,660:64:0	
774	98	309	04:08:56.000	488EW6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,723,687:21:0	
775	98	309	06:31:41.333	488EW6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,723,828:38:0	
776	98	309	08:07:41.333	488EW6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,723,923:33:0	
777	98	309	08:25:23.333	488EW6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,723,940:79:0	
778	98	309	08:35:25.333	488EX6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,723,950:72:0	
779	98	309	15:27:13.333	488EY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,724,358:06:0	
780	98	309	16:24:45.333	488EY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,724,414:88:0	
781	98	309	19:05:00.000	488EY6C	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	4,724,573:41:0	
782	98	309	19:08:35.333	176GC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,724,577:00:0	
783	98	309	19:34:30.000	20NY4I	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,724,602:57:0	
784	98	309	19:49:30.000	20NY4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	4,724,617:42:0	
785	98	309	20:01:30.000	20NY4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,724,629:30:0	
786	98	309	20:08:30.000	20NY4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	4,724,636:23:0	
787	98	309	20:20:30.000	20NY4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,724,648:11:0	
788	98	309	20:27:30.000	20NY4O	7SLEW	INIT,POS,4.36	Stator movement	4O0	4	0	4,724,655:04:0	
789	98	309	20:39:30.000	20NY4P	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,724,666:83:0	
790	98	309	20:46:30.000	20NY4Q	7SLEW	INIT,NEG,4.36	Stator movement	4O0	4	0	4,724,673:76:0	
791	98	309	20:58:30.000	20NY4R	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,724,685:64:0	
792	98	309	21:10:30.000	20NY4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,724,697:52:0	
793	98	309	21:24:04.000	20SK4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,724,710:90:0	
794	98	309	21:24:54.000	20SK4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,724,711:74:0	
795	98	309	21:26:06.000	176GD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,724,713:00:0	
796	98	309	21:28:00.000	488EZ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,724,714:80:0	
797	98	309	23:37:49.333	488EZ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,724,843:25:0	
798	98	310	00:26:53.333	488EZ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,724,891:73:0	
799	98	310	07:42:05.266	488FA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,725,322:20:0	
800	98	310	08:21:10.600	488FA6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,725,360:80:0	
801	98	310	08:22:37.266	488FA6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,725,362:28:0	
802	98	310	15:13:54.600	488FB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,725,769:07:0	
803	98	310	15:44:13.266	488FB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,725,799:05:0	
804	98	310	16:25:52.600	488FB6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,725,840:23:0	
805	98	310	16:54:58.600	488FB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,725,869:03:0	
806	98	310	19:15:25.266	488FB6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,726,007:85:0	
807	98	310	20:36:29.266	488FC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,726,088:10:0	
808	98	310	23:14:21.266	488FC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,726,244:22:0	
809	98	310	23:47:17.933	488FC6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,726,276:75:0	
810	98	311	00:14:07.266	488FC6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,726,303:32:0	
811	98	311	07:42:05.266	488FD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,726,746:36:0	
812	98	311	08:16:13.266	488FD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,726,780:14:0	
813	98	311	08:20:11.266	488FD6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,726,784:07:0	
814	98	311	14:58:49.200	488FE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,727,178:30:0	
815	98	311	15:14:21.200	488FE6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,727,193:63:0	
816	98	311	16:14:05.200	488FE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,727,252:70:0	
817	98	311	17:00:03.866	20CS6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,727,298:22:0	
818	98	311	18:00:03.866	20CS6B	6TMSED	NORM,BA6	Sci, Eng, and D/L Chan	4O0	4	0	4,727,357:53:0	
819	98	311	18:02:51.866	20CS4H	7VECT	BB1	Inert vect update UTC	4O0	4	0	4,727,360:32:0	
820	98	311	18:02:55.866	20CS4I	7STAT	17.45,258.214,-1	Stator inertial point	4O0	4	0	4,727,360:38:0	
821	98	311	18:08:55.866	20CS4J	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,727,366:32:0	
822	98	311	18:08:59.866	20CS6H	6MROH	7,673E,2,A40	read from AACSA7,673E,2,A40	4O0	4	0	4,727,366:38:0	
823	98	311	18:14:49.866	20CS6I	6MROH	7,673E,2,A40	read from AACSA7,673E,2,A40	4O0	4	0	4,727,372:17:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	98	311	18:34:49.866	20CS4L	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,727,391:88:0	
825	98	311	18:36:21.866	20CS6J	6MROH	7,673E,2,A40	read from AACSA7,673E,2,A40	4O0	4	0	4,727,393:44:0	
826	**98**	**311**	**18:52:50.533**	**20CS6L**	**6MCOPY**	**B1B1B,3000,AACSB**	**B1B1B,3000,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:71:0**	
827	**98**	**311**	**18:52:50.533**	**20CS6M**	**6MCOPY**	**B1A1A,5000,B1B2A**	**B1A1A,5000,B1B2A,1877,18A**	**4O0**	**4**	**0**	**4,727,409:71:0**	
828	**98**	**311**	**18:52:51.200**	**20CS6N**	**6MCOPY**	**B1B1B,307A,AACSB**	**B1B1B,307A,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:72:0**	
829	**98**	**311**	**18:52:51.200**	**20CS6O**	**6MCOPY**	**B1A1A,502D,B1B2A**	**B1A1A,502D,B1B2A,15F7,162**	**4O0**	**4**	**0**	**4,727,409:72:0**	
830	98	311	18:52:51.866	20CS4M	7SCAN	NORM,248.952999,	Check S/P Position	4O0	4	0	4,727,409:73:0	
831	**98**	**311**	**18:52:51.866**	**20CS6P**	**6MCOPY**	**B1B1B,30F4,AACSB**	**B1B1B,30F4,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:73:0**	
832	**98**	**311**	**18:52:51.866**	**20CS6Q**	**6MCOPY**	**B1A1A,505A,B1B2A**	**B1A1A,505A,B1B2A,1877,18A**	**4O0**	**4**	**0**	**4,727,409:73:0**	
833	**98**	**311**	**18:52:52.533**	**20CS6R**	**6MCOPY**	**B1B1B,316E,AACSB**	**B1B1B,316E,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:74:0**	
834	**98**	**311**	**18:52:52.533**	**20CS6S**	**6MCOPY**	**B1A1A,5087,B1B2A**	**B1A1A,5087,B1B2A,15F7,162**	**4O0**	**4**	**0**	**4,727,409:74:0**	
835	**98**	**311**	**18:52:53.200**	**20CS6T**	**6MCOPY**	**B1B1B,31E8,AACSB**	**B1B1B,31E8,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:75:0**	
836	**98**	**311**	**18:52:53.200**	**20CS6U**	**6MCOPY**	**B1A1A,50B4,B1B2A**	**B1A1A,50B4,B1B2A,1877,18A**	**4O0**	**4**	**0**	**4,727,409:75:0**	
837	**98**	**311**	**18:52:53.866**	**20CS6V**	**6MCOPY**	**B1B1B,3262,AACSB**	**B1B1B,3262,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:76:0**	
838	**98**	**311**	**18:52:53.866**	**20CS6W**	**6MCOPY**	**B1A1A,50E1,B1B2A**	**B1A1A,50E1,B1B2A,15F7,162**	**4O0**	**4**	**0**	**4,727,409:76:0**	
839	**98**	**311**	**18:52:54.533**	**20CS6Y**	**6MCOPY**	**B1A1A,510E,B1B2A**	**B1A1A,510E,B1B2A,1877,18A**	**4O0**	**4**	**0**	**4,727,409:77:0**	
840	**98**	**311**	**18:52:54.533**	**20CS6X**	**6MCOPY**	**B1B1B,32DC,AACSB**	**B1B1B,32DC,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:77:0**	
841	**98**	**311**	**18:52:55.200**	**20CS6AA**	**6MCOPY**	**B1A1A,513B,B1B2A**	**B1A1A,513B,B1B2A,15F7,162**	**4O0**	**4**	**0**	**4,727,409:78:0**	
842	**98**	**311**	**18:52:55.200**	**20CS6Z**	**6MCOPY**	**B1B1B,3356,AACSB**	**B1B1B,3356,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:78:0**	
843	**98**	**311**	**18:52:55.866**	**20CS6AB**	**6MCOPY**	**B1B1B,33D0,AACSB**	**B1B1B,33D0,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:79:0**	
844	**98**	**311**	**18:52:55.866**	**20CS6AC**	**6MCOPY**	**B1A1A,5168,B1B2A**	**B1A1A,5168,B1B2A,1877,18A**	**4O0**	**4**	**0**	**4,727,409:79:0**	
845	**98**	**311**	**18:52:56.533**	**20CS6AD**	**6MCOPY**	**B1B1B,344A,AACSB**	**B1B1B,344A,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:80:0**	
846	**98**	**311**	**18:52:56.533**	**20CS6AE**	**6MCOPY**	**B1A1A,5195,B1B2A**	**B1A1A,5195,B1B2A,15F7,162**	**4O0**	**4**	**0**	**4,727,409:80:0**	
847	**98**	**311**	**18:52:57.200**	**20CS6AF**	**6MCOPY**	**B1B1B,34C4,AACSB**	**B1B1B,34C4,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:81:0**	
848	**98**	**311**	**18:52:57.200**	**20CS6AG**	**6MCOPY**	**B1A1A,51C2,B1B2A**	**B1A1A,51C2,B1B2A,1877,18A**	**4O0**	**4**	**0**	**4,727,409:81:0**	
849	**98**	**311**	**18:52:57.866**	**20CS6AH**	**6MCOPY**	**B1B1B,353E,AACSB**	**B1B1B,353E,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:82:0**	
850	**98**	**311**	**18:52:57.866**	**20CS6AI**	**6MCOPY**	**B1A1A,51EF,B1B2A**	**B1A1A,51EF,B1B2A,15F7,162**	**4O0**	**4**	**0**	**4,727,409:82:0**	
851	**98**	**311**	**18:52:58.533**	**20CS6AK**	**6MCOPY**	**B1A1A,521C,B1B2A**	**B1A1A,521C,B1B2A,1877,18A**	**4O0**	**4**	**0**	**4,727,409:83:0**	
852	**98**	**311**	**18:52:58.533**	**20CS6AJ**	**6MCOPY**	**B1B1B,35B8,AACSB**	**B1B1B,35B8,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:83:0**	
853	**98**	**311**	**18:52:59.200**	**20CS6AL**	**6MCOPY**	**B1B1B,3632,AACSB**	**B1B1B,3632,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:84:0**	
854	**98**	**311**	**18:52:59.200**	**20CS6AM**	**6MCOPY**	**B1A1A,5249,B1B2A**	**B1A1A,5249,B1B2A,15F7,162**	**4O0**	**4**	**0**	**4,727,409:84:0**	
855	**98**	**311**	**18:52:59.866**	**20CS6AO**	**6MCOPY**	**B1A1A,5276,B1B2A**	**B1A1A,5276,B1B2A,1877,18A**	**4O0**	**4**	**0**	**4,727,409:85:0**	
856	**98**	**311**	**18:52:59.866**	**20CS6AN**	**6MCOPY**	**B1B1B,36AC,AACSB**	**B1B1B,36AC,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:85:0**	
857	**98**	**311**	**18:53:00.533**	**20CS6AP**	**6MCOPY**	**B1B1B,3726,AACSB**	**B1B1B,3726,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:86:0**	
858	**98**	**311**	**18:53:00.533**	**20CS6AQ**	**6MCOPY**	**B1A1A,52A3,B1B2A**	**B1A1A,52A3,B1B2A,15F7,162**	**4O0**	**4**	**0**	**4,727,409:86:0**	
859	**98**	**311**	**18:53:01.200**	**20CS6AR**	**6MCOPY**	**B1B1B,37A0,AACSB**	**B1B1B,37A0,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:87:0**	
860	**98**	**311**	**18:53:01.200**	**20CS6AS**	**6MCOPY**	**B1A1A,52D0,B1B2A**	**B1A1A,52D0,B1B2A,1877,18A**	**4O0**	**4**	**0**	**4,727,409:87:0**	
861	**98**	**311**	**18:53:01.866**	**20CS6AT**	**6MCOPY**	**B1B1B,381A,AACSB**	**B1B1B,381A,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:88:0**	
862	**98**	**311**	**18:53:01.866**	**20CS6AU**	**6MCOPY**	**B1A1A,52FD,B1B2A**	**B1A1A,52FD,B1B2A,15F7,162**	**4O0**	**4**	**0**	**4,727,409:88:0**	
863	**98**	**311**	**18:53:02.533**	**20CS6AV**	**6MCOPY**	**B1B1B,3894,AACSB**	**B1B1B,3894,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:89:0**	
864	**98**	**311**	**18:53:02.533**	**20CS6AW**	**6MCOPY**	**B1A1A,532A,B1B2A**	**B1A1A,532A,B1B2A,1877,18A**	**4O0**	**4**	**0**	**4,727,409:89:0**	
865	**98**	**311**	**18:53:03.200**	**20CS6AX**	**6MCOPY**	**B1B1B,390E,AACSB**	**B1B1B,390E,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,409:90:0**	
866	**98**	**311**	**18:53:03.200**	**20CS6AY**	**6MCOPY**	**B1A1A,5357,B1B2A**	**B1A1A,5357,B1B2A,15F7,162**	**4O0**	**4**	**0**	**4,727,409:90:0**	
867	**98**	**311**	**18:53:03.866**	**20CS6AZ**	**6MCOPY**	**B1B1B,3988,AACSB**	**B1B1B,3988,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,410:00:0**	
868	**98**	**311**	**18:53:03.866**	**20CS6BA**	**6MCOPY**	**B1A1A,5384,B1B2A**	**B1A1A,5384,B1B2A,1877,18A**	**4O0**	**4**	**0**	**4,727,410:00:0**	
869	**98**	**311**	**18:53:04.533**	**20CS6BB**	**6MCOPY**	**B1B1B,3A02,AACSB**	**B1B1B,3A02,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,410:01:0**	
870	**98**	**311**	**18:53:04.533**	**20CS6BC**	**6MCOPY**	**B1A1A,53B1,B1B2A**	**B1A1A,53B1,B1B2A,15F7,162**	**4O0**	**4**	**0**	**4,727,410:01:0**	
871	**98**	**311**	**18:53:05.200**	**20CS6BD**	**6MCOPY**	**B1B1B,3A7C,AACSB**	**B1B1B,3A7C,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,410:02:0**	
872	**98**	**311**	**18:53:05.200**	**20CS6BE**	**6MCOPY**	**B1A1A,53DE,B1B2A**	**B1A1A,53DE,B1B2A,1877,18A**	**4O0**	**4**	**0**	**4,727,410:02:0**	
873	**98**	**311**	**18:53:05.866**	**20CS6BF**	**6MCOPY**	**B1B1B,3AF6,AACSB**	**B1B1B,3AF6,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,410:03:0**	
874	**98**	**311**	**18:53:05.866**	**20CS6BG**	**6MCOPY**	**B1A1A,540B,B1B2A**	**B1A1A,540B,B1B2A,15F7,162**	**4O0**	**4**	**0**	**4,727,410:03:0**	
875	**98**	**311**	**18:53:06.533**	**20CS6BH**	**6MCOPY**	**B1B1B,3B70,AACSB**	**B1B1B,3B70,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,410:04:0**	
876	**98**	**311**	**18:53:06.533**	**20CS6BI**	**6MCOPY**	**B1A1A,5438,B1B2A**	**B1A1A,5438,B1B2A,1877,18A**	**4O0**	**4**	**0**	**4,727,410:04:0**	
877	**98**	**311**	**18:53:07.200**	**20CS6BJ**	**6MCOPY**	**B1B1B,3BEA,AACSB**	**B1B1B,3BEA,AACSB,6100,617**	**4O0**	**4**	**0**	**4,727,410:05:0**	
878	**98**	**311**	**18:53:07.200**	**20CS6BK**	**6MCOPY**	**B1A1A,5465,B1B2A**	**B1A1A,5465,B1B2A,15F7,162**	**4O0**	**4**	**0**	**4,727,410:05:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
879	98	311	18:53:07.866	20CS6BL	6MCOPY	B1B1B,3C64,AACSB	B1B1B,3C64,AACSB,6100,617	4O0	4	0	4,727,410:06:0
880	98	311	18:53:07.866	20CS6BM	6MCOPY	B1A1A,5492,B1B2A	B1A1A,5492,B1B2A,1877,18A	4O0	4	0	4,727,410:06:0
881	98	311	18:53:08.533	20CS6BN	6MCOPY	B1B1B,3CDE,AACSB	B1B1B,3CDE,AACSB,6100,617	4O0	4	0	4,727,410:07:0
882	98	311	18:53:08.533	20CS6BO	6MCOPY	B1A1A,54BF,B1B2A	B1A1A,54BF,B1B2A,15F7,162	4O0	4	0	4,727,410:07:0
883	98	311	18:53:09.200	20CS6BP	6MCOPY	B1B1B,3D58,AACSB	B1B1B,3D58,AACSB,6100,617	4O0	4	0	4,727,410:08:0
884	98	311	18:53:09.200	20CS6BQ	6MCOPY	B1A1A,54EC,B1B2A	B1A1A,54EC,B1B2A,1877,18A	4O0	4	0	4,727,410:08:0
885	98	311	18:53:09.866	20CS6BR	6MCOPY	B1B1B,3DD2,AACSB	B1B1B,3DD2,AACSB,6100,617	4O0	4	0	4,727,410:09:0
886	98	311	18:53:09.866	20CS6BS	6MCOPY	B1A1A,5519,B1B2A	B1A1A,5519,B1B2A,15F7,162	4O0	4	0	4,727,410:09:0
887	98	311	18:53:10.533	20CS6BT	6MCOPY	B1B1B,3E4C,AACSB	B1B1B,3E4C,AACSB,6100,617	4O0	4	0	4,727,410:10:0
888	98	311	18:53:10.533	20CS6BU	6MCOPY	B1A1A,5546,B1B2A	B1A1A,5546,B1B2A,1877,18A	4O0	4	0	4,727,410:10:0
889	98	311	18:53:11.200	20CS6BV	6MCOPY	B1B1B,3EC6,AACSB	B1B1B,3EC6,AACSB,6100,617	4O0	4	0	4,727,410:11:0
890	98	311	18:53:11.200	20CS6BW	6MCOPY	B1A1A,5573,B1B2A	B1A1A,5573,B1B2A,15F7,162	4O0	4	0	4,727,410:11:0
891	98	311	18:53:11.866	20CS6BX	6MCOPY	B1B1B,3F40,AACSB	B1B1B,3F40,AACSB,6100,617	4O0	4	0	4,727,410:12:0
892	98	311	18:53:11.866	20CS6BY	6MCOPY	B1A1A,55A0,B1B2A	B1A1A,55A0,B1B2A,1877,18A	4O0	4	0	4,727,410:12:0
893	98	311	18:53:12.533	20CS6BZ	6MCOPY	B1B1B,3FBA,AACSB	B1B1B,3FBA,AACSB,6100,617	4O0	4	0	4,727,410:13:0
894	98	311	18:53:12.533	20CS6CA	6MCOPY	B1A1A,55CD,B1B2A	B1A1A,55CD,B1B2A,15F7,162	4O0	4	0	4,727,410:13:0
895	98	311	18:53:13.200	20CS6CB	6MCOPY	B1B1B,4034,AACSB	B1B1B,4034,AACSB,6100,617	4O0	4	0	4,727,410:14:0
896	98	311	18:53:13.200	20CS6CC	6MCOPY	B1A1A,55FA,B1B2A	B1A1A,55FA,B1B2A,1877,18A	4O0	4	0	4,727,410:14:0
897	98	311	18:53:13.866	20CS6CD	6MCOPY	B1B1B,40AE,AACSB	B1B1B,40AE,AACSB,6100,617	4O0	4	0	4,727,410:15:0
898	98	311	18:53:13.866	20CS6CE	6MCOPY	B1A1A,5627,B1B2A	B1A1A,5627,B1B2A,15F7,162	4O0	4	0	4,727,410:15:0
899	98	311	18:53:14.533	20CS6CF	6MCOPY	B1B1B,4128,AACSB	B1B1B,4128,AACSB,6100,617	4O0	4	0	4,727,410:16:0
900	98	311	18:53:14.533	20CS6CG	6MCOPY	B1A1A,5654,B1B2A	B1A1A,5654,B1B2A,1877,18A	4O0	4	0	4,727,410:16:0
901	98	311	18:53:15.200	20CS6CH	6MCOPY	B1B1B,41A2,AACSB	B1B1B,41A2,AACSB,6100,617	4O0	4	0	4,727,410:17:0
902	98	311	18:53:15.200	20CS6CI	6MCOPY	B1A1A,5681,B1B2A	B1A1A,5681,B1B2A,15F7,162	4O0	4	0	4,727,410:17:0
903	98	311	18:53:15.866	20CS6CJ	6MCOPY	B1B1B,421C,AACSB	B1B1B,421C,AACSB,6100,617	4O0	4	0	4,727,410:18:0
904	98	311	18:53:15.866	20CS6CK	6MCOPY	B1A1A,56AE,B1B2A	B1A1A,56AE,B1B2A,1877,18A	4O0	4	0	4,727,410:18:0
905	98	311	18:53:16.533	20CS6CL	6MCOPY	B1B1B,4296,AACSB	B1B1B,4296,AACSB,6100,617	4O0	4	0	4,727,410:19:0
906	98	311	18:53:16.533	20CS6CM	6MCOPY	B1A1A,56DB,B1B2A	B1A1A,56DB,B1B2A,15F7,162	4O0	4	0	4,727,410:19:0
907	98	311	18:53:17.200	20CS6CO	6MCOPY	B1A1A,5708,B1B2A	B1A1A,5708,B1B2A,1877,18A	4O0	4	0	4,727,410:20:0
908	98	311	18:53:17.200	20CS6CN	6MCOPY	B1B1B,4310,AACSB	B1B1B,4310,AACSB,6100,617	4O0	4	0	4,727,410:20:0
909	98	311	18:53:17.866	20CS6CP	6MCOPY	B1B1B,438A,AACSB	B1B1B,438A,AACSB,6100,617	4O0	4	0	4,727,410:21:0
910	98	311	18:53:17.866	20CS6CQ	6MCOPY	B1A1A,5735,B1B2A	B1A1A,5735,B1B2A,15F7,162	4O0	4	0	4,727,410:21:0
911	98	311	18:53:18.533	20CS6CR	6MCOPY	B1B1B,4404,AACSB	B1B1B,4404,AACSB,6100,617	4O0	4	0	4,727,410:22:0
912	98	311	18:53:18.533	20CS6CS	6MCOPY	B1A1A,5762,B1B2A	B1A1A,5762,B1B2A,1877,18A	4O0	4	0	4,727,410:22:0
913	98	311	18:56:51.866	20CS4N	7MODE	CRU	AACS CRUISE MODE	4O0	4	0	4,727,413:69:0
914	98	311	18:57:50.533	20CS6CV	6MCOPY	B1A1A,578F,B1B2A	B1A1A,578F,B1B2A,15F7,162	4O0	4	0	4,727,414:66:0
915	98	311	18:57:50.533	20CS6CU	6MCOPY	B1B1B,447E,AACSB	B1B1B,447E,AACSB,6100,617	4O0	4	0	4,727,414:66:0
916	98	311	18:57:51.200	20CS6CW	6MCOPY	B1B1B,44F8,AACSB	B1B1B,44F8,AACSB,6100,617	4O0	4	0	4,727,414:67:0
917	98	311	18:57:51.200	20CS6CX	6MCOPY	B1A1A,57BC,B1B2A	B1A1A,57BC,B1B2A,1877,18A	4O0	4	0	4,727,414:67:0
918	98	311	18:57:51.866	20CS4O	7SAFE	UNSTOW	S/P TO 153 deg cone	4O0	4	0	4,727,414:68:0
919	98	311	18:57:51.866	20CS6CZ	6MCOPY	B1A1A,57E9,B1B2A	B1A1A,57E9,B1B2A,15F7,162	4O0	4	0	4,727,414:68:0
920	98	311	18:57:51.866	20CS6CY	6MCOPY	B1B1B,4572,AACSB	B1B1B,4572,AACSB,6100,617	4O0	4	0	4,727,414:68:0
921	98	311	18:57:52.533	20CS6DB	6MCOPY	B1A1A,5816,B1B2A	B1A1A,5816,B1B2A,1877,18A	4O0	4	0	4,727,414:69:0
922	98	311	18:57:52.533	20CS6DA	6MCOPY	B1B1B,45EC,AACSB	B1B1B,45EC,AACSB,6100,617	4O0	4	0	4,727,414:69:0
923	98	311	18:57:53.200	20CS6DC	6MCOPY	B1B1B,4666,AACSB	B1B1B,4666,AACSB,6100,617	4O0	4	0	4,727,414:70:0
924	98	311	18:57:53.200	20CS6DD	6MCOPY	B1A1A,5843,B1B2A	B1A1A,5843,B1B2A,15F7,162	4O0	4	0	4,727,414:70:0
925	98	311	18:57:53.866	20CS6DE	6MCOPY	B1B1B,46E0,AACSB	B1B1B,46E0,AACSB,6100,617	4O0	4	0	4,727,414:71:0
926	98	311	18:57:53.866	20CS6DF	6MCOPY	B1A1A,5870,B1B2A	B1A1A,5870,B1B2A,1877,18A	4O0	4	0	4,727,414:71:0
927	98	311	18:57:54.533	20CS6DH	6MCOPY	B1A1A,589D,B1B2A	B1A1A,589D,B1B2A,15F7,162	4O0	4	0	4,727,414:72:0
928	98	311	18:57:54.533	20CS6DG	6MCOPY	B1B1B,475A,AACSB	B1B1B,475A,AACSB,6100,617	4O0	4	0	4,727,414:72:0
929	98	311	18:57:55.200	20CS6DI	6MCOPY	B1B1B,47D4,AACSB	B1B1B,47D4,AACSB,6100,617	4O0	4	0	4,727,414:73:0
930	98	311	19:02:00.533	20CS4T	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,727,418:77:0
931	98	311	19:02:55.200	20CS4Q	7STAR	11,338,218.95	Star catalog update	4O0	4	0	4,727,419:68:0
932	98	311	19:05:43.200	20CS6DO	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,727,422:47:0
933	98	311	19:05:47.200	20CS6DP	6MROH	7,6F96,2,A40	read from AACSA7,6F96,2,A40	4O0	4	0	4,727,422:53:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	98	311	19:06:47.200	20CS6DQ	6MROH	B1B2A,3000,194,A	read fromB1B2A,3000,1	4O0	4	0	4,727,423:52:0	
935	98	311	20:11:47.200	20CS6DR	6MROH	B1A2B,5000,71,B4	read fromB1A2B,5000,7	4O0	4	0	4,727,487:78:0	
936	98	311	20:36:47.200	20CS6DS	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,727,512:53:0	
937	98	311	22:27:25.200	488FF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,727,622:00:0	
938	98	311	23:10:05.200	488FF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,727,664:18:0	
939	98	312	07:35:41.200	488FG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,728,164:22:0	
940	98	312	08:12:14.533	488FG6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,728,200:36:0	
941	98	312	08:16:13.200	488FG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,728,204:30:0	
942	98	312	14:53:43.200	488FH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,728,597:42:0	
943	98	312	15:10:05.200	488FH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,728,613:59:0	
944	98	312	16:09:49.200	488FH6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,728,672:66:0	
945	98	312	22:12:29.133	488FI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,729,031:37:0	
946	98	312	22:29:33.133	488FI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,729,048:26:0	
947	98	312	23:03:41.133	488FI6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,729,082:04:0	
948	98	313	05:34:08.466	488FJ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,729,468:19:0	
949	98	313	05:40:59.133	488FJ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,729,474:89:0	
950	98	313	05:59:41.133	488FJ6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,729,493:43:0	
951	98	313	13:06:21.133	488FK6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,729,915:41:0	
952	98	313	14:42:21.133	488FK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,730,010:36:0	
953	98	313	14:57:17.133	488FK6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,730,025:15:0	
954	98	313	14:57:53.800	488FK6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,730,025:70:0	
955	98	313	15:18:37.133	488FK6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,730,046:24:0	
956	98	313	17:26:49.800	488FL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,730,173:06:0	
957	98	313	18:41:10.466	488FL6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,730,246:54:0	
958	98	313	19:02:37.133	488FL6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,730,267:73:0	
959	98	313	19:08:26.466	488FL6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,730,273:51:0	
960	98	313	20:36:29.133	488FL6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,730,360:58:0	
961	98	313	22:59:25.133	488FM6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,730,502:00:0	
962	98	313	23:32:34.466	488FM6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,730,534:72:0	
963	98	313	23:59:24.466	488FM6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,730,561:30:0	
964	98	314	04:09:04.400	488FM6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,730,808:23:0	
965	98	314	05:40:53.066	488FN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,730,899:05:0	
966	98	314	05:53:17.066	488FN6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,730,911:29:0	
967	98	314	13:02:05.066	488FO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,731,335:37:0	
968	98	314	14:35:57.066	488FO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,731,428:22:0	
969	98	314	14:46:37.066	488FO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,731,438:72:0	
970	98	314	15:03:41.066	488FO6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,731,455:61:0	
971	98	314	16:03:25.066	488FO6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,731,514:68:0	
972	98	314	23:16:29.066	488FP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,731,943:05:0	
973	98	315	00:16:13.066	488FP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,732,002:12:0	
974	98	315	00:19:50.400	488FP6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,732,005:65:0	
975	98	315	00:29:01.066	488FP6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,732,014:72:0	
976	98	315	04:11:41.733	488FP6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,732,235:02:0	
977	98	315	04:23:41.066	488FQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,732,246:80:0	
978	98	315	05:49:01.066	488FQ6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,732,331:25:0	
979	98	315	09:50:03.733	488FQ6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,732,569:61:0	
980	98	315	09:52:13.066	488FQ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,732,571:73:0	
981	98	315	16:56:38.333	488FR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,732,991:51:0	
982	98	315	18:11:22.333	488FR6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,733,065:43:0	
983	98	315	18:40:28.333	488FR6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,733,094:23:0	
984	98	315	18:54:05.000	488FR6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,733,107:65:0	
985	98	315	20:17:17.000	488FR6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,733,190:00:0	
986	98	315	23:46:21.000	488FS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,733,396:70:0	
987	98	316	00:24:44.333	488FS6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,733,434:67:0	
988	98	316	00:33:17.000	488FS6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,733,443:17:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	98	316	04:06:35.666	488FS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,733,654:14:0	
990	98	316	04:19:25.000	488FS6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,733,666:76:0	
991	98	316	05:49:01.000	488FT6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,733,755:41:0	
992	98	316	12:55:41.000	488FU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,734,177:39:0	
993	98	316	14:25:17.000	488FU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,734,266:04:0	
994	98	316	14:46:37.000	488FU6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,734,287:13:0	
995	98	316	14:47:19.000	488FU6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,734,287:76:0	
996	98	316	14:57:17.000	488FU6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,734,297:63:0	
997	98	316	15:33:33.000	488FV6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,734,333:51:0	
998	98	316	16:55:39.000	488FV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,734,414:69:0	
999	98	316	18:57:13.600	176SX6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,734,535:00:0	
1000	98	316	18:58:00.266	488FV6C	6TMSED	NORM,BA6	Sci, Eng, and D/L Chan	4O0	4	0	4,734,535:70:0	
1001	98	316	19:02:00.266	20US4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,734,539:66:0	
1002	98	316	19:03:00.266	20US4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	4,734,540:65:0	
1003	98	316	19:05:00.266	20US4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,734,542:63:0	
1004	98	316	19:10:30.266	20US4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	4,734,548:12:0	
1005	98	316	19:10:30.933	20US4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	4,734,548:13:0	
1006	98	316	19:10:50.933	20US4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	4,734,548:43:0	
1007	98	316	19:10:51.600	20US4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	4,734,548:44:0	
1008	98	316	19:11:11.600	20US4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,734,548:74:0	
1009	98	316	19:11:12.266	20US4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,734,548:75:0	
1010	98	316	19:11:22.266	20US4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,734,548:90:0	
1011	98	316	19:11:22.933	20US4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,734,549:00:0	
1012	98	316	19:11:32.933	20US4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	4,734,549:15:0	
1013	98	316	19:11:33.600	20US4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	4,734,549:16:0	
1014	98	316	19:13:20.266	20US4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	4,734,550:85:0	
1015	98	316	19:13:20.933	20US4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	4,734,550:86:0	
1016	98	316	19:13:40.933	20US4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	4,734,551:25:0	
1017	98	316	19:13:41.600	20US4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	4,734,551:26:0	
1018	98	316	19:14:01.600	20US4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,734,551:56:0	
1019	98	316	19:14:02.266	20US4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,734,551:57:0	
1020	98	316	19:14:12.266	20US4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,734,551:72:0	
1021	98	316	19:14:12.933	20US4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,734,551:73:0	
1022	98	316	19:14:22.933	20US4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	4,734,551:88:0	
1023	98	316	19:14:23.600	20US4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	4,734,551:89:0	
1024	98	316	19:15:20.266	20US4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,734,552:83:0	
1025	98	316	19:30:00.266	488FV6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,734,567:38:0	
1026	98	316	19:40:04.266	20UL4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,734,577:34:0	
1027	98	316	19:40:54.266	20UL4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,734,578:18:0	
1028	98	316	19:42:43.600	176SY6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,734,580:00:0	
1029	98	316	23:05:48.933	488FW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,734,780:78:0	
1030	98	317	00:05:32.933	488FW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,734,839:85:0	
1031	98	317	00:24:38.266	488FW6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,734,858:74:0	
1032	98	317	04:03:16.266	488FW6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,735,075:04:0	
1033	98	317	04:13:00.933	488FW6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,735,084:62:0	
1034	98	317	05:01:30.266	488FX6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,735,132:58:0	
1035	98	317	05:30:36.933	488FX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,735,161:39:0	
1036	98	317	05:49:00.933	488FX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,735,179:57:0	
1037	98	317	12:47:08.933	488FY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,735,593:15:0	
1038	98	317	14:21:00.933	488FY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,735,686:00:0	
1039	98	317	14:38:24.933	488FY6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,735,703:19:0	
1040	98	317	14:40:12.933	488FY6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,735,704:90:0	
1041	98	317	14:55:08.933	488FY6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,735,719:69:0	
1042	98	317	16:56:26.933	488FZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,735,839:66:0	
1043	98	317	18:11:33.600	488FZ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,735,914:01:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	98	317	18:40:39.600	488FZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,735,942:72:0	
1045	98	317	20:05:00.266	488FZ6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,736,026:19:0	
1046	98	317	20:08:50.266	176NV6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,736,030:00:0	
1047	98	317	20:39:00.266	20NV4I	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,736,059:76:0	
1048	98	317	20:54:00.266	20NV4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	4,736,074:61:0	
1049	98	317	21:06:00.266	20NV4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,736,086:49:0	
1050	98	317	21:13:00.266	20NV4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	4,736,093:42:0	
1051	98	317	21:25:00.266	20NV4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,736,105:30:0	
1052	98	317	21:37:00.266	20NV4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,736,117:18:0	
1053	98	317	21:53:04.266	20SU4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,736,133:08:0	
1054	98	317	21:53:54.266	20SU4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,736,133:83:0	
1055	98	317	21:55:00.266	176GF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,736,135:00:0	
1056	98	317	22:13:00.266	488FZ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,736,152:73:0	
1057	98	317	23:35:40.933	488GA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,736,234:52:0	
1058	98	318	00:14:32.933	488GA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,736,273:01:0	
1059	98	318	00:19:35.600	176VA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,736,278:00:0	
1060	98	318	00:24:44.933	488GA6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,736,283:09:0	
1061	98	318	03:56:24.866	488GA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,736,492:40:0	
1062	98	318	04:08:44.866	488GA6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,736,504:58:0	
1063	98	318	05:38:20.866	488GB6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,736,593:23:0	
1064	98	318	12:47:08.866	488GC6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,737,017:31:0	
1065	98	318	14:21:00.866	488GC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,737,110:16:0	
1066	98	318	14:31:40.866	488GC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,737,120:66:0	
1067	98	318	14:48:44.866	488GC6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,737,137:55:0	
1068	98	318	14:49:08.866	176VB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,737,138:00:0	
1069	98	318	15:54:52.866	488GC6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,737,203:01:0	
1070	98	318	21:34:36.200	176VC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,737,539:00:0	
1071	98	318	22:55:08.866	488GD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,737,618:60:0	
1072	98	319	00:01:16.866	488GD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,737,684:06:0	
1073	98	319	00:14:27.533	488GD6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,737,697:09:0	
1074	98	319	00:24:44.866	488GD6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,737,707:25:0	
1075	98	319	03:56:18.866	488GD6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,737,916:47:0	
1076	98	319	04:08:44.866	488GE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,737,928:74:0	
1077	98	319	05:38:20.866	488GE6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,738,017:39:0	
1078	98	319	12:36:28.800	488GF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,738,430:88:0	
1079	98	319	14:16:44.800	488GF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,738,530:12:0	
1080	98	319	14:44:28.800	488GF6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,738,557:51:0	
1081	98	319	14:44:55.466	176VD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,738,558:00:0	
1082	98	319	15:48:28.800	488GF6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,738,620:78:0	
1083	98	319	21:55:24.800	488GG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,738,983:69:0	
1084	98	319	22:38:04.800	488GG6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,739,025:87:0	
1085	98	320	01:23:56.800	176VE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,739,190:00:0	
1086	98	320	03:42:58.800	488GG6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,739,327:46:0	
1087	98	320	03:45:16.800	488GG6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,739,329:71:0	
1088	98	320	03:51:13.466	488GG6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,739,335:60:0	
1089	98	320	04:04:28.800	488GH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,739,348:70:0	
1090	98	320	05:38:20.800	488GH6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,739,441:55:0	
1091	98	320	09:29:08.800	488GH6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,739,669:79:0	
1092	98	320	09:30:52.800	488GH6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,739,671:53:0	
1093	98	320	17:36:09.400	488GI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,740,151:48:0	
1094	98	320	17:36:38.066	176VF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,740,152:00:0	
1095	98	320	18:51:50.733	488GI6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,740,226:35:0	
1096	98	320	19:20:56.733	488GI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,740,255:15:0	
1097	98	320	23:20:44.733	488GI6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,740,492:30:0	
1098	98	320	23:49:16.066	488GJ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,740,520:49:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	98	320	23:59:08.733	488GJ6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,740,530:28:0	
1100	98	321	00:10:15.400	488GJ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,740,541:27:0	
1101	98	321	01:03:14.733	488GJ6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,740,593:64:0	
1102	98	321	01:30:04.066	488GJ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,740,620:21:0	
1103	98	321	03:43:24.733	488GK6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,740,752:10:0	
1104	98	321	03:49:32.733	488GK6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,740,758:16:0	
1105	98	321	05:39:20.733	488GK6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,740,866:70:0	
1106	98	321	07:29:46.733	432MC431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,740,975:90:0	
1107	98	321	07:29:47.400	432MC6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,740,976:00:0	
1108	98	321	12:21:32.733	488GL6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,741,264:50:0	
1109	98	321	14:06:04.733	488GL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,741,367:85:0	
1110	98	321	14:21:00.733	488GL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,741,382:64:0	
1111	98	321	14:38:04.733	488GL6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,741,399:53:0	
1112	98	321	15:48:28.733	488GL6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,741,469:19:0	
1113	98	321	22:35:56.733	488GM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,741,872:18:0	
1114	98	321	23:20:44.733	488GM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,741,916:46:0	
1115	98	322	03:38:02.000	488GM6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,742,170:88:0	
1116	98	322	03:41:00.666	488GM6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,742,173:83:0	
1117	98	322	03:46:02.666	488GM6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,742,178:81:0	
1118	98	322	03:58:04.666	488GN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,742,190:72:0	
1119	98	322	05:38:20.666	488GN6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,742,289:87:0	
1120	98	322	12:10:52.666	488GO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,742,678:16:0	
1121	98	322	13:59:40.666	488GO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,742,785:71:0	
1122	98	322	14:21:00.666	488GO6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,742,806:80:0	
1123	98	322	14:22:02.666	488GO6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,742,807:82:0	
1124	98	322	14:42:20.666	488GO6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,742,827:89:0	
1125	98	322	16:55:06.000	488GP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,742,959:25:0	
1126	98	322	21:40:28.666	488GP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,743,241:47:0	
1127	98	322	22:08:12.666	488GP6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,743,268:86:0	
1128	98	322	23:02:02.666	488GQ6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,743,322:17:0	
1129	98	322	23:31:08.666	488GQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,743,350:88:0	
1130	98	323	00:00:00.000	481UC4A	7VECT		Inert vect update UTC	4O0	4	0	4,743,379:46:0	
1131	98	323	00:07:40.666	488GQ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,743,387:09:0	
1132	98	323	03:32:37.333	488GQ6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,743,589:72:0	
1133	98	323	03:34:36.666	488GQ6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,743,591:69:0	
1134	98	323	03:40:57.333	488GR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,743,598:03:0	
1135	98	323	03:53:48.666	488GR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,743,610:68:0	
1136	98	323	04:48:26.666	488GR6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,743,664:71:0	
1137	98	323	05:15:16.000	488GR6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,743,691:28:0	
1138	98	323	05:49:00.666	488GR6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,743,724:62:0	
1139	98	323	07:00:00.000	481UA4A	7VECT	BB1	Inert vect update UTC	4O0	4	0	4,743,794:81:0	
1140	98	323	11:51:40.600	488GS6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,744,083:33:0	
1141	98	323	13:51:08.600	488GS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,744,201:47:0	
1142	98	323	14:10:20.600	488GS6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,744,220:46:0	
1143	98	323	15:07:56.600	488GS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,744,277:43:0	
1144	98	323	15:32:05.266	488GS6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,744,301:32:0	
1145	98	323	16:01:11.933	488GT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,744,330:13:0	
1146	98	323	17:23:00.600	488GT6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,744,411:05:0	
1147	98	323	17:28:00.600	176SF6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,744,416:00:0	
1148	98	323	17:38:59.933	20CA4C	7STAT	17.45,82.5018,-2	Stator inertial point	4O0	4	0	4,744,426:79:0	
1149	98	323	17:59:59.933	474CA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,744,447:58:0	
1150	98	323	18:01:59.933	474CA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,744,449:56:0	
1151	98	323	18:02:19.933	20CA4D	7STAT	17.45,82.5018,-2	Stator inertial point	4O0	4	0	4,744,449:86:0	
1152	98	323	18:06:13.933	474CA416A4E	7BURN	LZ,82.5018,-20.5	ALERT -- Thruster fire	4O0	4	0	4,744,453:73:0	
1153	98	323	18:13:59.933	20CA4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,744,461:44:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1154	98	323	18:19:51.933	20CA4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,744,467:26:0
1155	98	323	18:44:07.933	20CA4L	7STAT	17.45,82.5018,-2	Stator inertial point	4O0	4	0	4,744,491:26:0
1156	98	323	18:47:07.933	20CA4O	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,744,494:23:0
1157	98	323	18:49:07.933	474CA416A4G	7BURN	T,82.5018,-20.56	ALERT -- Thruster fire	4O0	4	0	4,744,496:21:0
1158	98	323	19:00:33.933	20CA4Q	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,744,507:49:0
1159	98	323	19:05:25.933	20CA4R	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,744,512:32:0
1160	98	323	20:12:57.933	20CB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,744,579:13:0
1161	98	323	20:13:47.933	20CB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,744,579:88:0
1162	98	323	20:14:50.600	176CA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,744,581:00:0
1163	98	323	22:31:00.600	488GU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,744,715:61:0
1164	98	323	22:31:20.600	176SG6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,744,716:00:0
1165	98	323	22:35:00.600	41SA99A	**POWER**	**PWR MODE change**	Change to Data Taking Mode	4O0	4	0	4,744,719:57:0
1166	**98**	**323**	**22:35:04.600**	**41SA3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,744,719:63:0**
1167	**98**	**323**	**22:35:14.600**	**41SA3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,744,719:78:0**
1168	**98**	**323**	**22:35:24.600**	**41SA3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,744,720:02:0**
1169	**98**	**323**	**22:35:34.600**	**41SA3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,744,720:17:0**
1170	98	323	22:55:08.600	488GU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,744,739:49:0
1171	98	323	23:50:36.600	488GU6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,744,794:36:0
1172	98	324	00:48:30.600	488GU6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,744,851:60:0
1173	98	324	01:15:19.933	488GU6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,744,878:17:0
1174	98	324	03:27:43.933	488GV6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,745,009:12:0
1175	98	324	03:30:20.600	488GV6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,745,011:65:0
1176	98	324	03:35:52.600	488GV6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,745,017:17:0
1177	98	324	03:53:48.600	488GV6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,745,034:84:0
1178	98	324	06:12:28.600	488GV6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,745,172:06:0
1179	98	324	11:04:44.600	488GW6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,745,461:11:0
1180	98	324	13:40:28.600	488GW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,745,615:13:0
1181	98	324	14:06:04.600	488GW6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,745,640:42:0
1182	98	324	15:14:20.600	488GW6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,745,707:89:0
1183	98	324	15:32:10.600	488GW6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,745,725:56:0
1184	98	324	16:01:16.600	488GX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,745,754:36:0
1185	98	324	21:21:16.533	488GX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,746,070:80:0
1186	98	324	21:49:00.533	488GX6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,746,098:28:0
1187	98	324	22:48:24.533	488GY6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,746,157:05:0
1188	98	324	22:48:44.533	488GY6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,746,157:35:0
1189	98	324	23:15:24.533	488GY6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,746,183:69:0
1190	98	324	23:41:56.533	176SP6A	6TMREC	**TPB**	TERMINATE PLAYBACK (PB CONTROL) Record Mo	4O0	4	0	4,746,210:00:0
1191	98	324	23:48:00.533		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,746,216:00:0
1192	98	324	23:48:00.533	465TA6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	4,746,216:00:0
1193	98	324	23:48:00.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,746,216:00:0
1194	98	324	23:48:00.533		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,746,216:00:0
1195	98	324	23:48:07.200		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,746,216:10:0
1196	98	324	23:48:08.600		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4O0	4	0	4,746,216:12:1
1197	98	325	03:28:12.533	488GY6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,746,433:71:0
1198	98	325	04:34:58.533	488GY6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,746,499:74:0
1199	98	325	04:59:31.866	488GZ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,746,524:09:0
1200	98	325	05:29:09.333		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	4O0	4	0	4,746,553:36:2
1201	98	325	05:29:10.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	4O0	4	0	4,746,553:38:0
1202	98	325	05:41:41.866	465TB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,746,565:73:0
1203	98	325	05:41:41.866		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	4O0	4	0	4,746,565:73:0
1204	98	325	05:41:43.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	4O0	4	0	4,746,565:75:1
1205	98	325	05:41:48.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	4O0	4	0	4,746,565:83:0
1206	98	325	05:41:49.733		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	4O0	4	0	4,746,565:84:8
1207	98	325	05:41:53.600		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	4O0	4	0	4,746,565:90:6
1208	98	325	05:41:53.600		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	4O0	4	0	4,746,565:90:6

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1209	98	325	06:07:33.866	465TB6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,746,591:35:0
1210	98	325	06:07:33.866		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	4O0	4	0	4,746,591:35:0
1211	98	325	06:07:35.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	4O0	4	0	4,746,591:36:8
1212	98	325	07:31:24.533	488GZ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,746,674:28:0
1213	98	325	08:05:21.866	465TC6A	6DTRN	CMD,6DTRN,465TC6	DMS TRACK TURNAROUND	4O0	4	0	4,746,707:81:0
1214	98	325	08:05:21.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	4O0	4	0	4,746,707:81:0
1215	98	325	08:05:21.866		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	4O0	4	0	4,746,707:81:0
1216	98	325	08:05:23.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	4O0	4	0	4,746,707:83:1
1217	98	325	08:05:28.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	4O0	4	0	4,746,708:00:0
1218	98	325	08:05:29.733		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	4O0	4	0	4,746,708:01:8
1219	98	325	08:05:31.133		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	4O0	4	0	4,746,708:03:9
1220	98	325	08:09:09.866	488GZ6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,746,711:59:0
1221	98	325	08:09:31.800		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	4,746,712:00:9
1222	98	325	08:09:33.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	4,746,712:02:7
1223	98	325	08:09:33.000		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	4,746,712:02:7
1224	98	325	08:09:34.400		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	4,746,712:04:8
1225	98	325	08:09:46.400		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	4,746,712:22:8
1226	98	325	08:09:47.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	4,746,712:24:6
1227	98	325	08:15:24.533	465TD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,746,717:75:0
1228	98	325	08:15:24.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,746,717:75:0
1229	98	325	08:15:31.200		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,746,717:85:0
1230	98	325	08:15:35.066		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	4,746,717:90:8
1231	98	325	08:15:35.066		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	4,746,717:90:8
1232	98	325	08:47:18.533	465TD6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	4,746,749:34:0
1233	98	325	08:47:18.533		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	4,746,749:34:0
1234	98	325	08:47:19.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	4,746,749:35:8
1235	98	325	09:02:54.533		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	4,746,764:73:0
1236	98	325	09:02:54.533	465TE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,746,764:73:0
1237	98	325	09:02:55.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	4,746,764:75:1
1238	98	325	09:03:01.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	4,746,764:83:0
1239	98	325	09:03:02.400		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	4,746,764:84:8
1240	98	325	09:03:06.266		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	4,746,764:90:6
1241	98	325	09:03:06.266		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	4,746,764:90:6
1242	98	325	09:35:02.533		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	4,746,796:53:0
1243	98	325	09:35:02.533	465TF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,746,796:53:0
1244	98	325	09:35:03.733		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	4,746,796:54:8
1245	98	325	09:35:07.600		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	4,746,796:60:6
1246	98	325	09:35:07.600		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	4,746,796:60:6
1247	98	325	10:07:03.200	465TF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,746,828:22:0
1248	98	325	10:07:03.200		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	4,746,828:22:0
1249	98	325	10:07:04.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	4,746,828:23:8
1250	98	325	10:21:46.533		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	4,746,842:73:0
1251	98	325	10:21:46.533	465TG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,746,842:73:0
1252	98	325	10:21:47.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	4,746,842:75:1
1253	98	325	10:21:53.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	4,746,842:83:0
1254	98	325	10:21:54.400		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	4,746,842:84:8
1255	98	325	10:21:58.266		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	4,746,842:90:6
1256	98	325	10:21:58.266		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	4,746,842:90:6
1257	98	325	10:53:53.866	465TH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	4,746,874:52:0
1258	98	325	10:53:53.866		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	4,746,874:52:0
1259	98	325	10:53:55.066		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	4,746,874:53:8
1260	98	325	10:53:58.933		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	4,746,874:59:6
1261	98	325	10:53:58.933		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	4,746,874:59:6
1262	98	325	10:54:59.866		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	4,746,875:60:0
1263	98	325	10:54:59.866	465TH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	4,746,875:60:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	98	325	10:55:01.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	4,746,875:61:8	
1265	98	325	10:55:59.866	488GZ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,746,876:59:0	
1266	98	325	11:09:29.866		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	4,746,890:00:0	
1267	98	325	11:09:29.866	465TI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	4,746,890:00:0	
1268	98	325	11:10:23.866		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	4,746,890:81:0	
1269	98	325	11:10:23.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	4,746,890:81:0	
1270	98	325	11:10:23.866	465TJ6A	6DTRN	CMD,6DTRN,465TJ6	DMS TRACK TURNAROUND	4O0	4	0	4,746,890:81:0	
1271	98	325	11:10:25.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	4,746,890:83:1	
1272	98	325	11:10:30.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	4,746,891:00:0	
1273	98	325	11:10:31.733		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	4,746,891:01:8	
1274	98	325	11:10:33.133		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	4,746,891:03:9	
1275	98	325	11:21:58.933		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	4,746,902:31:6	
1276	98	325	11:22:00.133		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	4,746,902:33:4	
1277	98	325	11:22:00.133		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	4,746,902:33:4	
1278	98	325	11:22:01.533		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	4,746,902:35:5	
1279	98	325	11:22:13.533		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	4,746,902:53:5	
1280	98	325	11:22:14.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	4,746,902:55:3	
1281	98	325	11:59:59.866		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,746,939:86:0	
1282	**98**	**325**	**12:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**4,746,939:86:2**	
1283	**98**	**325**	**12:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**4,746,939:86:2**	
1284	**98**	**325**	**12:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,746,939:86:2**	
1285	**98**	**325**	**12:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**4,746,939:86:2**	
1286	**98**	**325**	**12:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,746,939:86:2**	
1287	**98**	**325**	**12:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,746,939:86:2**	
1288	**98**	**325**	**12:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,746,939:86:2**	
1289	**98**	**325**	**12:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,746,939:86:2**	
1290	**98**	**325**	**12:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,746,939:86:2**	

17JNJUPRTS01

OAPEL:	17JNJUPRTS01	ALIAS:	17JNJUPRTS01
EXT:	R	PSID:	DA
SCLK1:	04665439:00:0	SCLK2:	04665448:12:2
SCET1:	1998-268/06:33:32.066	SCET2:	1998-268/06:40:46.066
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:	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

17ENEUR20H01

```
OAPEL:  17ENEUR20H01              ALIAS:  17ENEUR20H01
EXT:    A                         PSID:   EA
SCLK1:  04665462:87:0             SCLK2:  04665465:90:0
SCET1:    98-268/06:57:45.400     SCET2:    98-268/07:00:49.400
TARGET: EUROPA                    PARTITION: 1

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

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG: 1
EST_COMP:   2.0                   EST_COMPV: 0.3
RATE_CON1: 00000                  RATE_CON2: 65525
NWAVETOT:   240                   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:     0326240001           03  26  240  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	005FF	0,0000,0101,1111,1111
1	005FF	0,0000,0101,1111,1111
2	005FF	0,0000,0101,1111,1111
3	005FF	0,0000,0101,1111,1111
4	005FF	0,0000,0101,1111,1111
5	005FF	0,0000,0101,1111,1111
6	005FF	0,0000,0101,1111,1111
7	005FF	0,0000,0101,1111,1111
8	005FF	0,0000,0101,1111,1111
9	005FF	0,0000,0101,1111,1111
10	005FF	0,0000,0101,1111,1111
11	005FF	0,0000,0101,1111,1111
12	005FF	0,0000,0101,1111,1111
13	005FF	0,0000,0101,1111,1111
14	005FF	0,0000,0101,1111,1111
15	005FF	0,0000,0101,1111,1111
16	005FF	0,0000,0101,1111,1111
17	005FF	0,0000,0101,1111,1111
18	005FF	0,0000,0101,1111,1111
19	005FF	0,0000,0101,1111,1111
20	005FF	0,0000,0101,1111,1111
21	005FF	0,0000,0101,1111,1111
22	005FF	0,0000,0101,1111,1111
23	005FF	0,0000,0101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

17ENEUR20H01

OAPEL: 17ENEUR20H01
ALIAS: 17ENEUR20H01
EXT: C
PSID: EA
SCLK1: 04665466:00:0
SCLK2: 04665466:42:0
SCET1: 98-268/07:00:50.066
SCET2: 98-268/07:01:18.733
TARGET: EUROPA
PARTITION: 1

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

MB_DOWN: 00000
MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0
EST_COMPV: 0.3
RATE_CON1: 00000
RATE_CON2: 65525
NWAVETOT: 240
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: 0326240001 03 26 240 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	005FF	0,0000,0101,1111,1111
1	005FF	0,0000,0101,1111,1111
2	005FF	0,0000,0101,1111,1111
3	005FF	0,0000,0101,1111,1111
4	005FF	0,0000,0101,1111,1111
5	005FF	0,0000,0101,1111,1111
6	005FF	0,0000,0101,1111,1111
7	005FF	0,0000,0101,1111,1111
8	005FF	0,0000,0101,1111,1111
9	005FF	0,0000,0101,1111,1111
10	005FF	0,0000,0101,1111,1111
11	005FF	0,0000,0101,1111,1111
12	005FF	0,0000,0101,1111,1111
13	005FF	0,0000,0101,1111,1111
14	005FF	0,0000,0101,1111,1111
15	005FF	0,0000,0101,1111,1111
16	005FF	0,0000,0101,1111,1111
17	005FF	0,0000,0101,1111,1111
18	005FF	0,0000,0101,1111,1111
19	005FF	0,0000,0101,1111,1111
20	005FF	0,0000,0101,1111,1111
21	005FF	0,0000,0101,1111,1111
22	005FF	0,0000,0101,1111,1111
23	005FF	0,0000,0101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

17ENEUR20H01

OAPEL: 17ENEUR20H01 ALIAS: 17ENEUR20H01
EXT: B PSID: EA
SCLK1: 04665467:34:0 SCLK2: 04665471:83:0
SCET1: 98-268/07:02:14.066 SCET2: 98-268/07:06:49.400
TARGET: EUROPA PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 240 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: 0326240001 03 26 240 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDC8	1,1011,1101,1100,1000
1	1BDC8	1,1011,1101,1100,1000
2	1BDC8	1,1011,1101,1100,1000
3	1BDC8	1,1011,1101,1100,1000
4	1BDC8	1,1011,1101,1100,1000
5	1BDC8	1,1011,1101,1100,1000
6	1BDC8	1,1011,1101,1100,1000
7	1BDC8	1,1011,1101,1100,1000
8	1BDC8	1,1011,1101,1100,1000
9	1BDC8	1,1011,1101,1100,1000
10	1BDC8	1,1011,1101,1100,1000
11	1BDC8	1,1011,1101,1100,1000
12	1BDC8	1,1011,1101,1100,1000
13	1BDC8	1,1011,1101,1100,1000
14	1BDC8	1,1011,1101,1100,1000
15	1BDC8	1,1011,1101,1100,1000
16	1BDC8	1,1011,1101,1100,1000
17	1BDC8	1,1011,1101,1100,1000
18	1BDC8	1,1011,1101,1100,1000
19	1BDC8	1,1011,1101,1100,1000
20	1BDC8	1,1011,1101,1100,1000
21	1BDC8	1,1011,1101,1100,1000
22	1BDC8	1,1011,1101,1100,1000
23	1BDC8	1,1011,1101,1100,1000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

17JNWHTOVL01

OAPEL:	17JNWHTOVL01	ALIAS:	17JNWHTOVL01
EXT:	A	PSID:	EB
SCLK1:	04665685:00:0	SCLK2:	04665694:73:0
SCET1:	98-268/10:42:16.066	SCET2:	98-268/10:52:11.400
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:	66	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: 0326066001 03 26 066 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00003	0,0000,0000,0000,0011
1	00003	0,0000,0000,0000,0011
2	00003	0,0000,0000,0000,0011
3	00003	0,0000,0000,0000,0011
4	00003	0,0000,0000,0000,0011
5	00003	0,0000,0000,0000,0011
6	00007	0,0000,0000,0000,0111
7	00007	0,0000,0000,0000,0111
8	00007	0,0000,0000,0000,0111
9	00007	0,0000,0000,0000,0111
10	00007	0,0000,0000,0000,0111
11	00007	0,0000,0000,0000,0111
12	00007	0,0000,0000,0000,0111
13	00007	0,0000,0000,0000,0111
14	00007	0,0000,0000,0000,0111
15	00007	0,0000,0000,0000,0111
16	00007	0,0000,0000,0000,0111
17	00007	0,0000,0000,0000,0111
18	00007	0,0000,0000,0000,0111
19	00007	0,0000,0000,0000,0111
20	00007	0,0000,0000,0000,0111
21	00007	0,0000,0000,0000,0111
22	00007	0,0000,0000,0000,0111
23	00007	0,0000,0000,0000,0111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

17JNWHTOVL02

```
OAPEL:  17JNWHTOVL02              ALIAS:  17JNWHTOVL02
EXT:    A                         PSID:   EC
SCLK1:  04665759:00:0             SCLK2:  04665768:73:0
SCET1:    98-268/11:57:05.400     SCET2:    98-268/12:07:00.733
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:    66                   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:     0326066001          03  26  066  001
WTGRP_SIZ:  26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00003	0,0000,0000,0000,0011
1	00003	0,0000,0000,0000,0011
2	00003	0,0000,0000,0000,0011
3	00003	0,0000,0000,0000,0011
4	00003	0,0000,0000,0000,0011
5	00003	0,0000,0000,0000,0011
6	00007	0,0000,0000,0000,0111
7	00007	0,0000,0000,0000,0111
8	00007	0,0000,0000,0000,0111
9	00007	0,0000,0000,0000,0111
10	00007	0,0000,0000,0000,0111
11	00007	0,0000,0000,0000,0111
12	00007	0,0000,0000,0000,0111
13	00007	0,0000,0000,0000,0111
14	00007	0,0000,0000,0000,0111
15	00007	0,0000,0000,0000,0111
16	00007	0,0000,0000,0000,0111
17	00007	0,0000,0000,0000,0111
18	00007	0,0000,0000,0000,0111
19	00007	0,0000,0000,0000,0111
20	00007	0,0000,0000,0000,0111
21	00007	0,0000,0000,0000,0111
22	00007	0,0000,0000,0000,0111
23	00007	0,0000,0000,0000,0111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

17JNJUPRTS02

OAPEL:	17JNJUPRTS02	ALIAS:	17JNJUPRTS02
EXT:	R	PSID:	DB
SCLK1:	04665779:00:0	SCLK2:	04665788:12:0
SCET1:	1998-268/12:17:18.733	SCET2:	1998-268/12:26:32.733
TARGET:	JUPITER	PARTITION:	1

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

17JNWHTOVL03

OAPEL:	17JNWHTOVL03	ALIAS:	17JNWHTOVL03
EXT:	A	PSID:	ED
SCLK1:	04665794:00:0	SCLK2:	04665803:73:0
SCET1:	98-268/12:32:28.733	SCET2:	98-268/12:42:24.066
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:	249	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: 0326249001 03 26 249 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	11CC3	1,0001,1100,1100,0011
1	11CC3	1,0001,1100,1100,0011
2	11CC3	1,0001,1100,1100,0011
3	11CC3	1,0001,1100,1100,0011
4	13DC3	1,0011,1101,1100,0011
5	13DC3	1,0011,1101,1100,0011
6	13DC7	1,0011,1101,1100,0111
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	1BD87	1,1011,1101,1000,0111
21	1BD87	1,1011,1101,1000,0111
22	1BD87	1,1011,1101,1000,0111
23	1B987	1,1011,1001,1000,0111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

17JNJUPRTS03

OAPEL:	17JNJUPRTS03	ALIAS:	17JNJUPRTS03
EXT:	R	PSID:	DC
SCLK1:	04665906:00:0	SCLK2:	04665915:12:0
SCET1:	1998-268/14:25:43.400	SCET2:	1998-268/14:34:57.400
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

17ENGLOBAL01

OAPEL:	17ENGLOBAL01	ALIAS:	17ENGLOBAL01
EXT:	A	PSID:	DD
SCLK1:	04666410:00:0	SCLK2:	04666454:38:0
SCET1:	98-268/22:55:19.400	SCET2:	98-268/23:40:14.733
TARGET:	EUROPA	PARTITION:	1
MODE:	3	GAIN:	3
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	228	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: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	03C00	0,0011,1100,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	03C00	0,0011,1100,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	03C00	0,0011,1100,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	03C00	0,0011,1100,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	03C00	0,0011,1100,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	03C00	0,0011,1100,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	03C00	0,0011,1100,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	03C00	0,0011,1100,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	03C00	0,0011,1100,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	03C00	0,0011,1100,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	03C00	0,0011,1100,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	03C00	0,0011,1100,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

17ENSUCOMP01

```
OAPEL:  17ENSUCOMP01              ALIAS:  17ENSUCOMP01
EXT:    A                         PSID:   DE
SCLK1:  04666672:87:0             SCLK2:  04666692:08:0
SCET1:    98-269/03:21:12.066     SCET2:    98-269/03:40:32.733
TARGET: EUROPA                    PARTITION: 1

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

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

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

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

EDIT TABLE

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

17ENSUCOMP02

OAPEL:	17ENSUCOMP02	ALIAS:	17ENSUCOMP02
EXT:	A	PSID:	DF
SCLK1:	04666710:87:0	SCLK2:	04666727:64:0
SCET1:	98-269/03:59:37.400	SCET2:	98-269/04:16:34.066
TARGET:	EUROPA	PARTITION:	1

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

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

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

WETGID: 0426360001 04 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

17ENSUCOMP03

OAPEL:	17ENSUCOMP03	ALIAS:	17ENSUCOMP03
EXT:	A	PSID:	DG
SCLK1:	04666730:86:0	SCLK2:	04666752:54:0
SCET1:	98-269/04:19:50.733	SCET2:	98-269/04:41:43.400
TARGET:	EUROPA	PARTITION:	1
MODE:	3	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	360	TLMFMT:	MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

17ENSUCOMP04

OAPEL:	17ENSUCOMP04	ALIAS:	17ENSUCOMP04
EXT:	A	PSID:	DH
SCLK1:	04666754:86:0	SCLK2:	04666764:62:0
SCET1:	98-269/04:44:06.733	SCET2:	98-269/04:53:56.733
TARGET:	EUROPA	PARTITION:	1
MODE:	3	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	360	TLMFMT:	MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

17ENGLOBAL02

OAPEL:	17ENGLOBAL02	ALIAS:	17ENGLOBAL02
EXT:	A	PSID:	DI
SCLK1:	04667020:00:0	SCLK2:	04667026:90:0
SCET1:	98-269/09:12:06.000	SCET2:	98-269/09:19:10.000
TARGET:	EUROPA	PARTITION:	1
MODE:	3	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	360	TLMFMT:	MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

17ENGLOBAL02

OAPEL:	17ENGLOBAL02	ALIAS:	17ENGLOBAL02
EXT:	B	PSID:	DI
SCLK1:	04667027:00:0	SCLK2:	04667041:90:0
SCET1:	98-269/09:19:10.666	SCET2:	98-269/09:34:20.000
TARGET:	EUROPA	PARTITION:	1
MODE:	3	GAIN:	3
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	360	TLMFMT:	MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

17ENGLOBAL02

OAPEL:	17ENGLOBAL02	ALIAS:	17ENGLOBAL02
EXT:	C	PSID:	DI
SCLK1:	04667042:00:0	SCLK2:	04667048:70:0
SCET1:	98-269/09:34:20.666	SCET2:	98-269/09:41:11.333
TARGET:	EUROPA	PARTITION:	1
MODE:	3	GAIN:	4
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	360	TLMFMT:	MPW

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

WETGID: 0326360001 03 26 360 001
WTGRP_SIZ: 26

EDIT TABLE

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

17NNPCTRLT01

OAPEL:	17NNPCTRLT01	ALIAS:	LSNNPCTRLT01
EXT:	R	PSID:	FB
SCLK1:	04680567:00:0	SCLK2:	04680568:12:0
SCET1:	1998-278/21:29:36.866	SCET2:	1998-278/21:30:45.533
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

17NNPCTRLT01

OAPEL:	17NNPCTRLT01	ALIAS:	LSNNPCTRLT01
EXT:	S	PSID:	FB
SCLK1:	04680573:00:0	SCLK2:	04680582:12:0
SCET1:	1998-278/21:35:40.866	SCET2:	1998-278/21:44:56.866
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

17NNRCTRLT01

OAPEL:	17NNRCTRLT01	ALIAS:	LSNNRCTRTA01
EXT:	R	PSID:	XU
SCLK1:	04715999:00:0	SCLK2:	04715999:12:0
SCET1:	1998-303/18:35:16.933	SCET2:	1998-303/18:35:24.933
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

17NNRCTRLT01

OAPEL: 17NNRCTRLT01
ALIAS: LSNNRCTRTA01
EXT: S
PSID: XU
SCLK1: 04716005:00:0
SCLK2: 04716006:12:0
SCET1: 1998-303/18:40:80.933
SCET2: 1998-303/18:42:29.600
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

17NNRCTRLT01

OAPEL: 17NNRCTRLT01
ALIAS: LSNNRCTRTA01
EXT: T
PSID: XU
SCLK1: 04716011:00:0
SCLK2: 04716011:12:0
SCET1: 1998-303/18:47:24.933
SCET2: 1998-303/18:47:32.933
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

17NNOPCAL_01

OAPEL:	17NNOPCAL_01	ALIAS:	LSNNOPCAL_01
EXT:	R	PSID:	DC
SCLK1:	04716015:00:0	SCLK2:	04716017:12:0
SCET1:	1998-303/18:51:27.600	SCET2:	1998-303/18:53:36.933
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 E17 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS E17 data. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry. Included items come from NIMS commands in (1) the Standard Sequence Data File (SSDF) and (2) the Playback Table Update Process (PTUP), plus some items from (3) the NIMS/CDS software load.

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

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

The source below is one of:

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

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

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

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


* THRESHSEL     1 105 - 105     .Threshold value select (>0 = yes)              PBK: THRESHLD_TBL > 0 (i.e. 1-3)
  <spare>       1 106 - 106     .
# RTISELDN      5 107 - 111     .RTI select, 5 binary bits (for mirror          SEF: 37MB data byte 1, bits 4-8 <tbd>
                                  position blocking, down scan)
# RTISELUP      5 112 - 116     .RTI select, 5 binary bits (for mirror          SEF: 37MB data byte 2, bits 4-8 <tbd>
                                  position blocking, up scan)
  <spare>       1 117 - 117     .
* RICEFLAG      1 118 - 118     .Rice compression flag                          PBK: 0 no compression
                                                                                     1 Rice compression, ref vals each mirror scan
                                                                                     3 Rice compression, ref vals each RIM rollover
  <spare>       1 119 - 119     .
  ESTCOMP       3 120 - 122     .Rice estimated compression ratio (m.n)         PBK: CMPR_DVSR <tbd>
  ESTCOMPV      3 123 - 125     .Rice estimated error in compression ratio (m.n)PBK: CMPR_UNC <tbd>
# RATECON1      5 126 - 130     .Rate control lower limit                       PBK: | S/W table entry indexed by LOSSY_COMP (1-7)
# RATECON2      5 131 - 135     .Rate control upper limit                       PBK: | or 0 if LOSSY_COMP = 0 (no rate control)
  <spare>      17 136 - 152
  NWAVETOT      3 153 - 155     .Total number of wavelengths selected           Compute from relevant Wavelength Edit Table group
  TLMFMT        3 156 - 158     .Telemetry format (MPW et al, LPU or LNR)         SEF: 6TMREC command
  SCET1        21 159 - 179     .Start time of played-back OBS in UTC           PBK (except realtime data: SEF)
  SCET2        21 180 - 200     .Stop time of played-back OBS in UTC            PBK (except realtime data: SEF)
<spares>       67 201 - 267     .Start time of played-back OBS in UTC           PBK (except realtime data: SEF)
* THRESH       51 268 - 318     .Threshold values (17 3-digit values, 0-999)    PBK: S/W table indexed by THRESH_TBL > 0, else 0s
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# WETGID       10 319 - 328     .Wavelength selection group ID (unique)         PBK: WET_GID    (realtime <tbd>)
                                  Rule of formation: mmeelllnnn where
                                   mm  = instrument mode (0-15)
                                   ee  = # entries in group
                                   lll = number of wavelengths selected
                                   nnn = sequence number
* WETGRPSIZ     2 329 - 330     .# Wavelength Edit entries (1-26)               PBK: ED_GRP_LEN (realtime SEF: 37ETB <tbd>)
* WETGRP      182 331 - 512     .Wavelength Edit Table group:  WETGRPSIZ        PBK: ED_GRP     (realtime SEF: 37ETB data bytes 2..)
                                  entries, each one has 7 characters.  The
                                  first 2 characters are the repeat count
                                  (01-26).  The other 5 characters contain
                                  5 hex digits, representing the detector
                                  mask in the form BHHHH where B is 0 or 1
                                  and H has range 0-15.  (These entries are
                                  from the 37ETB instrument edit group for
                                  realtime data and from the logical AND of
                                  corresponding entries in the instrument
                                  and playback edit groups for playback data.)
--------------------------------
.The TARGET names used are:
   CAL      - N - non-science targets, usually calibration targets
   EARTH    - W - Earth
   MOON     - L - Moon
   SKY      - H - Stellar Space (space and stars)
   VENUS    - V - Venus
   GASPRA   - P - Gaspra
   IDA      - U - Ida
   JUPITER  - J - Jupiter
   IO       - I - Io
   EUROPA   - E - Europa
   GANYMEDE - G - Ganymede
   CALLISTO - C - Callisto
   J_RING   - R - Jupiter rings
   (the single letter abbreviation appears as the third character in the OAPEL name ).
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17JNJUPRTS0117JNJUPRTS01RDA04665439:00:004665448:12:21         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1998-268/06:33:32.0661998-268/06:40:46.066
           0000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

17ENEUR20H0117ENEUR20H01AEA04665462:87:004665465:90:01         EUROPA   3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 240LPU  98-268/06:57:45.400  98-268/07:00:49.400
           00000000000000000000000000000000000000000000000000003262400012601005FF01005FF01005FF01005FF01005FF01005FF01005FF01005
FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01000000100000
17ENEUR20H0117ENEUR20H01CEA04665466:00:004665466:42:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 240LPU  98-268/07:00:50.066  98-268/07:01:18.733
           00000000000000000000000000000000000000000000000000003262400012601005FF01005FF01005FF01005FF01005FF01005FF01005FF01005
FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01005FF01000000100000
17ENEUR20H0117ENEUR20H01BEA04665467:34:004665471:83:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 240LPU  98-268/07:02:14.066  98-268/07:06:49.400
           000000000000000000000000000000000000000000000000000032624000126011BDC8011BDC8011BDC8011BDC8011BDC8011BDC8011BDC8011BD
C8011BDC8011BDC8011BDC8011BDC8011BDC8011BDC8011BDC8011BDC8011BDC8011BDC8011BDC8011BDC8011BDC8011BDC8011BDC8011BDC801000000100000
17JNWHTOVL0117JNWHTOVL01AEB04665685:00:004665694:73:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  66LPU  98-268/10:42:16.066  98-268/10:52:11.400
           00000000000000000000000000000000000000000000000000003260660012601000030100003010000301000030100003010000301000070100O
07010000701000070100007010000701000070100007010000701000070100007010000701000070100007010000701000070100007010000701000000100000
17JNWHTOVL0217JNWHTOVL02AEC04665759:00:004665768:73:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  66LPU  98-268/11:57:05.400  98-268/12:07:00.733
           000000000000000000000000000000000000000000000000000032606600126010000301000030100003010000301000030100003010000701000
07010000701000070100007010000701000070100007010000701000070100007010000701000070100007010000701000070100007010000701000000100000
17JNJUPRTS0217JNJUPRTS02RDB04665779:00:004665788:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1998-268/12:17:18.7331998-268/12:26:32.733
           0000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

17JNWHTOVL0317JNWHTOVL03AED04665794:00:004665803:73:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 249LPU  98-268/12:32:28.733  98-268/12:42:24.066
           000000000000000000000000000000000000000000000000000032624900126 0111CC30111CC30111CC30111CC30113DC30113DC30113DC7011BD
C7011BD87011BDC7010BDC7010BDC7010BDC7010BDC7010BDC7010BDC7011BD87011BD87011BD07011BD07011BD87011BD87011BD87011B98701000000100000
17JNJUPRTS0317JNJUPRTS03RDC04665906:00:004665915:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1998-268/14:25:43.4001998-268/14:34:57.400
           0000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

17ENGLOBAL0117ENGLOBAL01ADD04666410:00:004666454:38:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228MPW  98-268/22:55:19.400  98-268/23:40:14.733
           000000000000000000000000000000000000000000000000000032622800126 0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BD
FF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF0103C00011BDFF01000000100000
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17ENSUCOMP0117ENSUCOMP01ADE04666672:87:004666692:08:01         EUROPA   3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 360MPW  98-269/03:21:12.066  98-269/03:40:32.733
           0000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
17ENSUCOMP0217ENSUCOMP02ADF04666710:87:004666727:64:01         EUROPA   4414 1 0 0 0 124 1 0 0 0 12400010 0000000000 1 2.00.3000
0065525                 360MPW  98-269/03:59:37.400  98-269/04:16:34.066
           0000000000000000000000000000000000000000000000000000042636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
17ENSUCOMP0317ENSUCOMP03ADG04666730:86:004666752:54:01         EUROPA   3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 360MPW  98-269/04:19:50.733  98-269/04:41:43.400
           0000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
17ENSUCOMP0417ENSUCOMP04ADH04666754:86:004666764:62:01         EUROPA   3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 360MPW  98-269/04:44:06.733  98-269/04:53:56.733
           0000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
17ENGLOBAL0217ENGLOBAL02ADI04667020:00:004667026:90:01         EUROPA   3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 360MPW  98-269/09:12:06.000  98-269/09:19:10.000
           0000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
17ENGLOBAL0217ENGLOBAL02BDI04667027:00:004667041:90:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 360MPW  98-269/09:19:10.666  98-269/09:34:20.000
           0000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
17ENGLOBAL0217ENGLOBAL02CDI04667042:00:004667048:70:01         EUROPA   3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 360MPW  98-269/09:34:20.666  98-269/09:41:11.333
           0000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
17NNPCTRLT01LSNNPCTRLT01RFB04680567:00:004680568:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1998-278/21:29:36.8661998-278/21:30:45.533
           0000000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

17NNPCTRLT01LSNNPCTRLT01SFB04680573:00:004680582:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1998-278/21:35:40.8661998-278/21:44:56.866
           0000000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

17NNRCTRLT01LSNNRCTRTA01RXU04715999:00:004715999:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1998-303/18:35:16.9331998-303/18:35:24.933
           0000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

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17NNRCTRLT01LSNNRCTRTA01SXU04716005:00:004716006:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1998-303/18:40:80.9331998-303/18:42:29.600
           00000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

17NNRCTRLT01LSNNRCTRTA01TXU04716011:00:004716011:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1998-303/18:47:24.9331998-303/18:47:32.933
           00000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

17NNOPCAL_01LSNNOPCAL_01RDC04716015:00:004716017:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12401100 1101111011 0 0.00.0000
0000000                 048RT 1998-303/18:51:27.6001998-303/18:53:36.933
           00000000000000000000000000000000000000000000000000000302048000 224180000200000

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