Chapter 4 - NIMS Observation Summaries

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Introduction to Chapter 4

This chapter summarizes the NIMS C20 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 C20 Sequence. The information in this summary is derived from the C20 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 C20 data. It is also derived from the C20 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

			Sequence:	C20A-AR		Created: 11/5/99	Begin: 99-122/17:00:00 Finish: 99-127/12:00:00				
Line	**YR**	**DOY**	**SCET - GMT**	**PSID**	**Command**	**Parameters**	**Description**	**GCM**	**GO**	**GS**	**RIM MF I**
1	**99**	**122**	**17:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,953:25:8**
2	**99**	**122**	**17:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,977,953:25:8**
3	**99**	**122**	**17:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,953:25:8**
4	**99**	**122**	**17:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,953:25:8**
5	**99**	**122**	**17:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**4,977,953:25:8**
6	**99**	**122**	**17:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**4,977,953:25:8**
7	**99**	**122**	**17:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,953:25:8**
8	**99**	**122**	**17:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,953:25:8**
9	**99**	**122**	**17:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,977,953:25:8**
10	99	122	17:00:00.133		DMS:	: READY	RDY, TRACK 1, FWD, TIC 3698.00 +/-	4O0	4	0	4,977,953:26:0
11	**99**	**122**	**17:00:42.133**	**432JA6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4O0**	**4**	**0**	**4,977,953:89:0**
12	99	122	17:00:42.800	432JA431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,977,953:90:0
13	**99**	**122**	**17:00:43.466**	**432JA6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**4O0**	**4**	**0**	**4,977,954:00:0**
14	99	122	17:00:43.466	432JA6C	6RTSL1		R/T Select of DDS and	4O0	4	0	4,977,954:00:0
15	99	122	17:00:51.466	488AA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,977,954:12:0
16	99	122	17:02:30.133	20OA6A	6HICON			4O0	4	0	4,977,955:69:0
17	99	122	17:46:13.466		DMS:	: READY	RDY, TRACK *2, *REV, TIC 3698.00 +/-	4O0	4	0	4,977,999:00:0
18	99	122	17:46:13.466	465KG6A	6DMSC	RDY,2	DMS Control Tape stop	4O0	4	0	4,977,999:00:0
19	99	122	17:53:18.133	192GA4A	**7CONE**	**17.4,0.0**	Check S/P Position	4O0	4	0	4,978,006:00:0
20	99	122	17:56:20.133	176GA6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4O0	4	0	4,978,009:00:0
21	99	122	17:58:34.800	176GA6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	4,978,011:20:0
22	99	122	17:58:36.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3698.00 +/-	4O0	4	0	4,978,011:23:0
23	99	122	17:58:36.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	4,978,011:23:0
24	99	122	17:58:38.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3698.12 +/-	4O0	4	0	4,978,011:25:1
25	99	122	17:58:43.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3699.35 +/-	4O0	4	0	4,978,011:33:0
26	99	122	17:58:44.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3699.41 +/-	4O0	4	0	4,978,011:34:8
27	99	122	17:58:46.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3699.29 +/-	4O0	4	0	4,978,011:36:9
28	99	122	17:58:46.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3699.12 +/-	4O0	4	0	4,978,011:38:0
29	99	122	17:58:58.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	4,978,011:55:0
30	99	122	17:58:58.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3696.47 +/-	4O0	4	0	4,978,011:55:0
31	99	122	17:58:59.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3696.41 +/-	4O0	4	0	4,978,011:56:8
32	99	122	17:59:21.466	165UC4A	7SCAN	NORM,250.946999,	Check S/P Position	4O0	4	0	4,978,011:90:0
33	99	122	18:31:00.133	444UA443A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,978,043:26:0
34	99	122	18:53:55.466	488AA6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,978,065:87:0
35	99	122	19:28:03.466	488AA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,978,099:65:0
36	99	122	19:33:21.466	176DA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	4,978,104:87:0
37	**99**	**122**	**19:47:48.133**	**20DA5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**260**	**4**	**0**	**4,978,119:22:0**
38	**99**	**122**	**19:47:49.466**	**20DA5B**	**37MRL**		**Memory Realocate (software operates from R**	**260**	**4**	**0**	**4,978,119:24:0**
39	**99**	**122**	**19:47:51.466**	**20DA6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**260**	**4**	**0**	**4,978,119:27:0**
40	**99**	**122**	**19:48:01.466**	**20DA6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**260**	**4**	**0**	**4,978,119:42:0**
41	**99**	**122**	**19:48:14.800**	**20DA5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,978,119:62:0**
42	**99**	**122**	**19:48:18.133**	**20DA5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,978,119:67:0**
43	**99**	**122**	**19:48:49.466**	**20DA4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,978,120:23:0**
44	**99**	**122**	**19:49:38.800**	**20NNHRSPEC01-**		**-----START------**		**2R0**	**4**	**0**	**: :**
45	99	122	19:50:30.800	125DA	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,978,121:84:0
46	**99**	**122**	**19:50:30.800**	**125DA4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,978,121:84:0**
47	99	122	19:51:31.466	125DA11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,978,122:84:0
48	**99**	**122**	**19:51:31.466**	**125DA4B**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**4,978,122:84:0**
49	**99**	**122**	**19:51:40.134**	**20NNHRSPEC01-**		**-----STOP-------**		**4R0**	**4**	**0**	**: :**
50	**99**	**122**	**19:52:32.133**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,978,123:84:0**
51	99	122	19:52:32.133	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,978,123:84:0
52	**99**	**122**	**19:52:32.800**	**127DA4B**	**37ETB**	**07,C7,03,A1,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,978,123:85:0**
53	99	122	19:52:36.133	165DA4A	**7SCAN**	**NORM,250.807999,**	**Check S/P Position**	4R3	4	0	4,978,123:90:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
54	99	122	19:52:40.800	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,978,124:06:0
55	**99**	**122**	**19:52:40.800**	**20INHRSPEC01***		**-----START------**		**4R3**	**4**	**0**	**: :**
56	99	122	19:56:27.466	175DA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,127:73:0
57	99	122	19:56:27.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3696.41 +/-	4R3	4	0	4,978,127:73:0
58	99	122	19:56:28.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3696.53 +/-	4R3	4	0	4,978,127:75:1
59	99	122	19:56:30.133	117DA	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,978,127:77:0
60	99	122	19:56:34.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3697.76 +/-	4R3	4	0	4,978,127:83:0
61	99	122	19:56:35.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3697.82 +/-	4R3	4	0	4,978,127:84:8
62	99	122	19:56:36.133	175DA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,978,127:86:0
63	99	122	19:56:36.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 3697.70 +/-	4R3	4	0	4,978,127:86:9
64	99	122	19:56:36.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3697.70 +/-	4R3	4	0	4,978,127:86:9
65	99	122	19:56:39.466	117DA105A106A4A	**7STRP**	**-0.00543,0.0,0,0**	**Slew =,0.03**	4R3	4	0	4,978,128:00:0
66	**99**	**122**	**19:56:39.466**	**20INHRSPEC01-**	**NIMPBK**	**301DA**	**IO MONITORING**	**4R3**	**4**	**0**	**: :**
67	**99**	**122**	**19:58:12.800**	**20INHRSPEC01-**	**NIMPBK**	**301ED**	**IO MONITORING**	**4R3**	**4**	**0**	**: :**
68	**99**	**122**	**19:59:10.133**	**20INHRSPEC01-**	**DESELC**	**300ED**	**IO MONITORING**	**4R3**	**4**	**0**	**: :**
69	**99**	**122**	**19:59:41.466**	**18 INHRSPEC01**	**DESELC**	**300DA**	**IO MONITORING**	**4R3**	**4**	**0**	**: :**
70	99	122	19:59:41.466	117DA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,978,131:00:0
71	**99**	**122**	**19:59:45.466**	**20INHRSPEC01***		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
72	99	122	20:00:46.800	175DA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,978,132:07:0
73	99	122	20:00:46.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3639.09 +/-	4R3	4	0	4,978,132:07:0
74	99	122	20:00:46.800	175DA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,132:07:0
75	99	122	20:00:48.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3639.03 +/-	4R3	4	0	4,978,132:08:8
76	99	122	20:30:26.133	488AA6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	4,978,161:37:0
77	99	122	21:04:05.466	488AA6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	4,978,194:63:0
78	99	123	00:01:00.133	481UC4A	7VECT		Inert vect update UTC	4R3	4	0	4,978,369:60:0
79	99	123	00:18:31.466	165IZ4A	7SCAN	NORM,314.073997,	Check S/P Position	4R3	4	0	4,978,386:90:0
80	99	123	00:28:37.466	165IZ4B	7VECT		Inert vect update UTC	4R3	4	0	4,978,396:89:0
81	99	123	00:29:00.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3639.03 +/-	4R3	4	0	4,978,397:33:0
82	99	123	00:29:00.800	175IZ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,978,397:33:0
83	99	123	00:29:02.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3639.15 +/-	4R3	4	0	4,978,397:35:1
84	99	123	00:29:07.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3640.39 +/-	4R3	4	0	4,978,397:43:0
85	99	123	00:29:08.666		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3640.45 +/-	4R3	4	0	4,978,397:44:8
86	99	123	00:29:12.133	175IZ176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	4,978,397:50:0
87	99	123	00:29:12.666		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3634.15 +/-	4R3	4	0	4,978,397:50:8
88	99	123	00:29:12.666		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3634.15 +/-	4R3	4	0	4,978,397:50:8
89	99	123	00:29:39.466		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3539.93 +/-	4R3	4	0	4,978,398:00:0
90	99	123	00:29:39.466	175IZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,398:00:0
91	99	123	00:29:40.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3538.93 +/-	4R3	4	0	4,978,398:01:8
92	99	123	00:48:20.800	165JZ4A	7SCAN	NORM,316.061996,	Check S/P Position	4R3	4	0	4,978,416:44:0
93	99	123	00:58:26.800	165JZ4B	7VECT		Inert vect update UTC	4R3	4	0	4,978,426:43:0
94	99	123	00:59:20.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3538.93 +/-	4R3	4	0	4,978,427:33:0
95	99	123	00:59:20.800	175JZ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,978,427:33:0
96	99	123	00:59:22.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3539.05 +/-	4R3	4	0	4,978,427:35:1
97	99	123	00:59:27.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3540.28 +/-	4R3	4	0	4,978,427:43:0
98	99	123	00:59:28.666		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3540.34 +/-	4R3	4	0	4,978,427:44:8
99	99	123	00:59:32.133	175JZ176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	4,978,427:50:0
100	99	123	00:59:32.666		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3534.04 +/-	4R3	4	0	4,978,427:50:8
101	99	123	00:59:32.666		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3534.04 +/-	4R3	4	0	4,978,427:50:8
102	99	123	01:00:00.133		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3437.48 +/-	4R3	4	0	4,978,428:01:0
103	99	123	01:00:00.133	175JZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,428:01:0
104	99	123	01:00:01.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3436.48 +/-	4R3	4	0	4,978,428:02:8
105	**99**	**123**	**01:01:14.800**	**20DB5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,978,429:22:0**
106	**99**	**123**	**01:01:16.133**	**20DB5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,978,429:24:0**
107	**99**	**123**	**01:01:18.133**	**20DB6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,978,429:27:0**
108	**99**	**123**	**01:01:28.133**	**20DB6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,978,429:42:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
109	**99**	**123**	**01:01:41.466**	**20DB5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,978,429:62:0**
110	**99**	**123**	**01:01:44.800**	**20DB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,978,429:67:0**
111	**99**	**123**	**01:02:16.133**	**20DB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,978,430:23:0**
112	**99**	**123**	**01:04:58.133**	**125DB4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,978,432:84:0**
113	99	123	01:04:58.133	125DB	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,978,432:84:0
114	99	123	01:04:58.133	125DB11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,978,432:84:0
115	99	123	01:06:59.466	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,978,434:84:0
116	**99**	**123**	**01:06:59.466**	**127DB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,978,434:84:0**
117	**99**	**123**	**01:07:00.133**	**127DB4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,978,434:85:0**
118	99	123	01:07:08.133	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,978,435:06:0
119	**99**	**123**	**01:08:08.800**	**20NNECLPSE01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
120	**99**	**123**	**01:10:10.133**	**20NNECLPSE01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
121	99	123	01:11:06.133	165DB4A	**7SCAN**	**NORM,317.344997,**	**Check S/P Position**	4R3	4	0	4,978,438:90:0
122	**99**	**123**	**01:11:10.800**	**20ENECLPSE01***		**-----START------**		**4R3**	**4**	**0**	**: :**
123	99	123	01:14:54.800	175DB422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R3	4	0	4,978,442:69:0
124	99	123	01:14:54.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3436.48 +/-	4R3	4	0	4,978,442:69:0
125	99	123	01:14:56.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3436.60 +/-	4R3	4	0	4,978,442:71:1
126	99	123	01:15:00.133	117DB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,978,442:77:0
127	99	123	01:15:01.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3437.83 +/-	4R3	4	0	4,978,442:79:0
128	99	123	01:15:02.666		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *3437.89 +/-	4R3	4	0	4,978,442:80:8
129	99	123	01:15:06.133	175DB176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,978,442:86:0
130	99	123	01:15:06.666		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 3436.39 +/-	4R3	4	0	4,978,442:86:8
131	99	123	01:15:06.666		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *3436.39 +/-	4R3	4	0	4,978,442:86:8
132	**99**	**123**	**01:15:09.466**	**20ENCLPSE01-,**	**NIMPBK**	**301DB**	**EUROPA ECLIPSE OBSERVATION**	**4R3**	**4**	**0**	**: :**
133	99	123	01:15:09.466	117DB105A106A4A	**7STRP**	**-0.00085,0.0,0,0**	**Slew =,0.01**	4R3	4	0	4,978,443:00:0
134	99	123	01:16:36.800	117DB105A106A4B	**7STRP**	**0.0009,0.0,0,0,0**	**Slew =12.01**	4R3	4	0	4,978,444:40:0
135	99	123	01:16:43.466	117DB105A106A4C	**7STRP**	**-0.00085,0.0,0,0**	**Slew =,0.01**	4R3	4	0	4,978,444:50:0
136	99	123	01:18:06.800	127EB	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,978,445:84:0
137	**99**	**123**	**01:18:06.800**	**125EB4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**4,978,445:84:0**
138	99	123	01:18:06.800	125EB11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,978,445:84:0
139	99	123	01:18:06.800	125EB	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,978,445:84:0
140	**99**	**123**	**01:18:07.466**	**127EB4A**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,978,445:85:0**
141	**99**	**123**	**01:18:08.800**	**20ENCLPSE01-,**	**NIMPBK**	**301EZ**	**EUROPA ECLIPSE OBSERVATION**	**4R3**	**4**	**0**	**: :**
142	**99**	**123**	**01:18:10.800**	**20ENCLPSE01-,**	**DESELC**	**300DB**	**EUROPA ECLIPSE OBSERVATION**	**4R3**	**4**	**0**	**: :**
143	99	123	01:18:10.800	117DB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,978,445:90:0
144	**99**	**123**	**01:18:15.466**	**20ENECLPSE01***		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
145	99	123	01:18:15.466	127EB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,978,446:06:0
146	**99**	**123**	**01:19:09.466**	**20ENCLPSE01-,**	**DESELC**	**300EZ**	**EUROPA ECLIPSE OBSERVATION**	**4R3**	**4**	**0**	**: :**
147	99	123	01:20:09.466	175DB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,447:86:0
148	99	123	01:20:09.466		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *3170.26 +/-	4R3	4	0	4,978,447:86:0
149	99	123	01:20:10.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3169.96 +/-	4R3	4	0	4,978,447:87:8
150	99	123	01:22:13.466	165GC4A	7SCAN	NORM,277.787998,	Check S/P Position	4R3	4	0	4,978,449:90:0
151	99	123	01:25:16.133	176GC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,978,453:00:0
152	99	123	01:26:07.466	117GC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,978,453:77:0
153	99	123	01:26:16.800	117GC105A106A4A	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,454:00:0
154	99	123	01:28:05.466	117GC105A106A4B	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,455:72:0
155	99	123	01:28:16.800	117GC105A106A4C	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,455:89:0
156	99	123	01:30:05.466	117GC105A106A4D	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,457:70:0
157	99	123	01:30:16.800	117GC105A106A4E	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,457:87:0
158	99	123	01:32:05.466	117GC105A106A4F	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,459:68:0
159	99	123	01:32:16.800	117GC105A106A4G	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,459:85:0
160	99	123	01:34:05.466	117GC105A106A4H	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,461:66:0
161	99	123	01:34:16.800	117GC105A106A4I	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,461:83:0
162	99	123	01:36:05.466	117GC105A106A4J	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,463:64:0
163	99	123	01:36:16.800	117GC105A106A4K	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,463:81:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	99	123	01:38:05.466	117GC105A106A4L	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,465	62:0
165	99	123	01:38:16.800	117GC105A106A4M	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,465	79:0
166	99	123	01:39:10.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,466	68:0
167	99	123	01:39:10.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3169.96 +/-	4R3	4	0	4,978,466	68:0
168	99	123	01:39:11.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3170.08 +/-	4R3	4	0	4,978,466	70:1
169	99	123	01:39:16.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3171.31 +/-	4R3	4	0	4,978,466	78:0
170	99	123	01:39:18.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3171.37 +/-	4R3	4	0	4,978,466	79:8
171	99	123	01:39:19.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3171.25 +/-	4R3	4	0	4,978,466	81:9
172	99	123	01:39:38.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3166.86 +/-	4R3	4	0	4,978,467	19:0
173	99	123	01:40:00.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3161.55 +/-	4R3	4	0	4,978,467	53:0
174	99	123	01:40:00.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,467	53:0
175	99	123	01:40:02.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3161.49 +/-	4R3	4	0	4,978,467	54:8
176	99	123	01:40:05.466	117GC105A106A4N	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,467	60:0
177	99	123	01:40:16.800	117GC105A106A4O	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,467	77:0
178	99	123	01:42:05.466	117GC105A106A4P	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,469	58:0
179	99	123	01:42:16.800	117GC105A106A4Q	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,469	75:0
180	99	123	01:44:05.466	117GC105A106A4R	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,471	56:0
181	99	123	01:44:16.800	117GC105A106A4S	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,471	73:0
182	99	123	01:46:05.466	117GC105A106A4T	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,473	54:0
183	99	123	01:46:16.800	117GC105A106A4U	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,473	71:0
184	99	123	01:48:05.466	117GC105A106A4V	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,475	52:0
185	99	123	01:48:16.800	117GC105A106A4W	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,475	69:0
186	99	123	01:50:05.466	117GC105A106A4X	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,477	50:0
187	99	123	01:50:16.800	117GC105A106A4Y	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,477	67:0
188	99	123	01:52:05.466	117GC105A106A4Z	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,479	48:0
189	99	123	01:52:16.800	117GC105A106A4AA	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,479	65:0
190	99	123	01:53:34.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3161.49 +/-	4R3	4	0	4,978,480	90:0
191	99	123	01:53:34.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,480	90:0
192	99	123	01:53:35.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3161.61 +/-	4R3	4	0	4,978,481	01:1
193	99	123	01:53:40.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3162.85 +/-	4R3	4	0	4,978,481	09:0
194	99	123	01:53:42.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3162.91 +/-	4R3	4	0	4,978,481	10:8
195	99	123	01:53:43.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3162.79 +/-	4R3	4	0	4,978,481	12:9
196	99	123	01:54:02.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3158.40 +/-	4R3	4	0	4,978,481	41:0
197	99	123	01:54:05.466	117GC105A106A4AB	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,481	46:0
198	99	123	01:54:16.800	117GC105A106A4AC	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,481	63:0
199	99	123	01:54:24.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,481	75:0
200	99	123	01:54:24.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3153.08 +/-	4R3	4	0	4,978,481	75:0
201	99	123	01:54:26.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3153.02 +/-	4R3	4	0	4,978,481	76:8
202	99	123	01:56:05.466	117GC105A106A4AD	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,483	44:0
203	99	123	01:56:16.800	117GC105A106A4AE	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,483	61:0
204	99	123	01:58:05.466	117GC105A106A4AF	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,485	42:0
205	99	123	01:58:16.800	117GC105A106A4AG	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,485	59:0
206	99	123	02:00:05.466	117GC105A106A4AH	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,487	40:0
207	99	123	02:00:16.800	117GC105A106A4AI	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,487	57:0
208	99	123	02:02:05.466	117GC105A106A4AJ	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,489	38:0
209	99	123	02:02:16.800	117GC105A106A4AK	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,489	55:0
210	99	123	02:04:05.466	117GC105A106A4AL	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,491	36:0
211	99	123	02:04:16.800	117GC105A106A4AM	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,491	53:0
212	99	123	02:06:05.466	117GC105A106A4AN	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,493	34:0
213	99	123	02:06:16.800	117GC105A106A4AO	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,493	51:0
214	99	123	02:07:58.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,495	22:0
215	99	123	02:07:58.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3153.02 +/-	4R3	4	0	4,978,495	22:0
216	99	123	02:08:00.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3153.14 +/-	4R3	4	0	4,978,495	24:1
217	99	123	02:08:05.466	117GC105A106A4AP	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,495	32:0
218	99	123	02:08:05.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3154.38 +/-	4R3	4	0	4,978,495	32:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	99	123	02:08:06.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3154.44 +/-	4R3	4	0	4,978,495	33:8
220	99	123	02:08:08.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3154.32 +/-	4R3	4	0	4,978,495	35:9
221	99	123	02:08:16.800	117GC105A106A4AQ	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,495	49:0
222	99	123	02:08:26.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3149.93 +/-	4R3	4	0	4,978,495	64:0
223	99	123	02:08:49.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,496	07:0
224	99	123	02:08:49.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3144.61 +/-	4R3	4	0	4,978,496	07:0
225	99	123	02:08:50.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3144.55 +/-	4R3	4	0	4,978,496	08:8
226	99	123	02:10:05.466	117GC105A106A4AR	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,497	30:0
227	99	123	02:10:16.800	117GC105A106A4AS	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,497	47:0
228	99	123	02:12:05.466	117GC105A106A4AT	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,499	28:0
229	99	123	02:12:16.800	117GC105A106A4AU	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,499	45:0
230	99	123	02:14:05.466	117GC105A106A4AV	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,501	26:0
231	99	123	02:14:16.800	117GC105A106A4AW	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,501	43:0
232	99	123	02:16:05.466	117GC105A106A4AX	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,503	24:0
233	99	123	02:16:16.800	117GC105A106A4AY	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,503	41:0
234	99	123	02:18:05.466	117GC105A106A4AZ	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,505	22:0
235	99	123	02:18:16.800	117GC105A106A4BA	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,505	39:0
236	99	123	02:20:05.466	117GC105A106A4BB	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,507	20:0
237	99	123	02:20:16.800	117GC105A106A4BC	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,507	37:0
238	99	123	02:22:05.466	117GC105A106A4BD	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,509	18:0
239	99	123	02:22:16.800	117GC105A106A4BE	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,509	35:0
240	99	123	02:22:23.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,509	45:0
241	99	123	02:22:23.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3144.55 +/-	4R3	4	0	4,978,509	45:0
242	99	123	02:22:24.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3144.67 +/-	4R3	4	0	4,978,509	47:1
243	99	123	02:22:30.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3145.91 +/-	4R3	4	0	4,978,509	55:0
244	99	123	02:22:31.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3145.97 +/-	4R3	4	0	4,978,509	56:8
245	99	123	02:22:32.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3145.85 +/-	4R3	4	0	4,978,509	58:9
246	99	123	02:22:51.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3141.46 +/-	4R3	4	0	4,978,509	87:0
247	99	123	02:23:14.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3136.15 +/-	4R3	4	0	4,978,510	30:0
248	99	123	02:23:14.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,510	30:0
249	99	123	02:23:15.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3136.09 +/-	4R3	4	0	4,978,510	31:8
250	99	123	02:24:05.466	117GC105A106A4BF	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,511	16:0
251	99	123	02:24:16.800	117GC105A106A4BG	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,511	33:0
252	99	123	02:26:05.466	117GC105A106A4BH	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,513	14:0
253	99	123	02:26:16.800	117GC105A106A4BI	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,513	31:0
254	99	123	02:28:05.466	117GC105A106A4BJ	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,515	12:0
255	99	123	02:28:16.800	117GC105A106A4BK	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,515	29:0
256	99	123	02:30:05.466	117GC105A106A4BL	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,517	10:0
257	99	123	02:30:16.800	117GC105A106A4BM	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,517	27:0
258	99	123	02:32:05.466	117GC105A106A4BN	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,519	08:0
259	99	123	02:32:16.800	117GC105A106A4BO	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,519	25:0
260	99	123	02:34:05.466	117GC105A106A4BP	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,521	06:0
261	99	123	02:34:16.800	117GC105A106A4BQ	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,521	23:0
262	99	123	02:36:05.466	117GC105A106A4BR	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,523	04:0
263	99	123	02:36:16.800	117GC105A106A4BS	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,523	21:0
264	99	123	02:36:48.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3136.09 +/-	4R3	4	0	4,978,523	68:0
265	99	123	02:36:48.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,523	68:0
266	99	123	02:36:49.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3136.21 +/-	4R3	4	0	4,978,523	70:1
267	99	123	02:36:54.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3137.44 +/-	4R3	4	0	4,978,523	78:0
268	99	123	02:36:56.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3137.50 +/-	4R3	4	0	4,978,523	79:8
269	99	123	02:36:57.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3137.38 +/-	4R3	4	0	4,978,523	81:9
270	99	123	02:37:16.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3132.99 +/-	4R3	4	0	4,978,524	19:0
271	99	123	02:37:38.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,524	53:0
272	99	123	02:37:38.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3127.68 +/-	4R3	4	0	4,978,524	53:0
273	99	123	02:37:40.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3127.62 +/-	4R3	4	0	4,978,524	54:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	99	123	02:38:05.466	117GC105A106A4BT	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,525	02:0
275	99	123	02:38:16.800	117GC105A106A4BU	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,525	19:0
276	99	123	02:40:05.466	117GC105A106A4BV	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,527	00:0
277	99	123	02:40:16.800	117GC105A106A4BW	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,527	17:0
278	99	123	02:42:05.466	117GC105A106A4BX	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,528	89:0
279	99	123	02:42:16.800	117GC105A106A4BY	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,529	15:0
280	99	123	02:44:05.466	117GC105A106A4BZ	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,530	87:0
281	99	123	02:44:16.800	117GC105A106A4CA	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,531	13:0
282	99	123	02:46:05.466	117GC105A106A4CB	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,532	85:0
283	99	123	02:46:16.800	117GC105A106A4CC	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,533	11:0
284	99	123	02:48:05.466	117GC105A106A4CD	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,534	83:0
285	99	123	02:48:16.800	117GC105A106A4CE	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,535	09:0
286	99	123	02:50:05.466	117GC105A106A4CF	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,536	81:0
287	99	123	02:50:16.800	117GC105A106A4CG	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,537	07:0
288	99	123	02:51:12.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3127.62 +/-	4R3	4	0	4,978,538	00:0
289	99	123	02:51:12.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,538	00:0
290	99	123	02:51:14.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3127.74 +/-	4R3	4	0	4,978,538	02:1
291	99	123	02:51:19.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3128.97 +/-	4R3	4	0	4,978,538	10:0
292	99	123	02:51:20.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3129.03 +/-	4R3	4	0	4,978,538	11:8
293	99	123	02:51:22.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3128.91 +/-	4R3	4	0	4,978,538	13:9
294	99	123	02:51:40.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3124.52 +/-	4R3	4	0	4,978,538	42:0
295	99	123	02:52:03.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,538	76:0
296	99	123	02:52:03.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3119.21 +/-	4R3	4	0	4,978,538	76:0
297	99	123	02:52:04.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3119.15 +/-	4R3	4	0	4,978,538	77:8
298	99	123	02:52:05.466	117GC105A106A4CH	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,538	79:0
299	99	123	02:52:16.800	117GC105A106A4CI	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,539	05:0
300	99	123	02:54:05.466	117GC105A106A4CJ	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,540	77:0
301	99	123	02:54:16.800	117GC105A106A4CK	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,541	03:0
302	99	123	02:56:05.466	117GC105A106A4CL	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,542	75:0
303	99	123	02:56:16.800	117GC105A106A4CM	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,543	01:0
304	99	123	02:58:05.466	117GC105A106A4CN	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,544	73:0
305	99	123	02:58:16.800	117GC105A106A4CO	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,544	90:0
306	99	123	03:00:05.466	117GC105A106A4CP	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,546	71:0
307	99	123	03:00:16.800	117GC105A106A4CQ	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,546	88:0
308	99	123	03:02:05.466	117GC105A106A4CR	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,548	69:0
309	99	123	03:02:16.800	117GC105A106A4CS	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,548	86:0
310	99	123	03:04:05.466	117GC105A106A4CT	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,550	67:0
311	99	123	03:04:16.800	117GC105A106A4CU	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,550	84:0
312	99	123	03:05:36.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3119.15 +/-	4R3	4	0	4,978,552	22:0
313	99	123	03:05:36.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,552	22:0
314	99	123	03:05:38.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3119.27 +/-	4R3	4	0	4,978,552	24:1
315	99	123	03:05:43.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3120.50 +/-	4R3	4	0	4,978,552	32:0
316	99	123	03:05:44.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3120.56 +/-	4R3	4	0	4,978,552	33:8
317	99	123	03:05:46.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3120.44 +/-	4R3	4	0	4,978,552	35:9
318	99	123	03:06:04.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3116.05 +/-	4R3	4	0	4,978,552	64:0
319	99	123	03:06:05.466	117GC105A106A4CV	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,552	65:0
320	99	123	03:06:16.800	117GC105A106A4CW	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,552	82:0
321	99	123	03:06:27.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,553	07:0
322	99	123	03:06:27.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3110.74 +/-	4R3	4	0	4,978,553	07:0
323	99	123	03:06:28.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3110.68 +/-	4R3	4	0	4,978,553	08:8
324	99	123	03:08:05.466	117GC105A106A4CX	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,554	63:0
325	99	123	03:08:16.800	117GC105A106A4CY	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,554	80:0
326	99	123	03:10:05.466	117GC105A106A4CZ	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,556	61:0
327	99	123	03:10:16.800	117GC105A106A4DA	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,556	78:0
328	99	123	03:12:05.466	117GC105A106A4DB	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,558	59:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	99	123	03:12:16.800	117GC105A106A4DC	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,558	76:0
330	99	123	03:14:05.466	117GC105A106A4DD	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,560	57:0
331	99	123	03:14:16.800	117GC105A106A4DE	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,560	74:0
332	99	123	03:16:05.466	117GC105A106A4DF	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,562	55:0
333	99	123	03:16:16.800	117GC105A106A4DG	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,562	72:0
334	99	123	03:18:05.466	117GC105A106A4DH	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,564	53:0
335	99	123	03:18:16.800	117GC105A106A4DI	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,564	70:0
336	99	123	03:20:01.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3110.68 +/-	4R3	4	0	4,978,566	45:0
337	99	123	03:20:01.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,566	45:0
338	99	123	03:20:02.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3110.80 +/-	4R3	4	0	4,978,566	47:1
339	99	123	03:20:05.466	117GC105A106A4DJ	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,566	51:0
340	99	123	03:20:08.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3112.03 +/-	4R3	4	0	4,978,566	55:0
341	99	123	03:20:09.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3112.09 +/-	4R3	4	0	4,978,566	56:8
342	99	123	03:20:10.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3111.97 +/-	4R3	4	0	4,978,566	58:9
343	99	123	03:20:16.800	117GC105A106A4DK	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,566	68:0
344	99	123	03:20:29.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3107.58 +/-	4R3	4	0	4,978,566	87:0
345	99	123	03:20:52.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,567	30:0
346	99	123	03:20:52.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3102.27 +/-	4R3	4	0	4,978,567	30:0
347	99	123	03:20:53.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3102.21 +/-	4R3	4	0	4,978,567	31:8
348	99	123	03:22:05.466	117GC105A106A4DL	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,568	49:0
349	99	123	03:22:16.800	117GC105A106A4DM	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,568	66:0
350	99	123	03:24:05.466	117GC105A106A4DN	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,570	47:0
351	99	123	03:24:16.800	117GC105A106A4DO	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,570	64:0
352	99	123	03:26:05.466	117GC105A106A4DP	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,572	45:0
353	99	123	03:26:16.800	117GC105A106A4DQ	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,572	62:0
354	99	123	03:28:05.466	117GC105A106A4DR	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,574	43:0
355	99	123	03:28:16.800	117GC105A106A4DS	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,574	60:0
356	99	123	03:30:05.466	117GC105A106A4DT	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,576	41:0
357	99	123	03:30:16.800	117GC105A106A4DU	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,576	58:0
358	99	123	03:32:05.466	117GC105A106A4DV	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,578	39:0
359	99	123	03:32:16.800	117GC105A106A4DW	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,578	56:0
360	99	123	03:34:05.466	117GC105A106A4DX	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,580	37:0
361	99	123	03:34:16.800	117GC105A106A4DY	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,580	54:0
362	99	123	03:34:26.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3102.21 +/-	4R3	4	0	4,978,580	68:0
363	99	123	03:34:26.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,580	68:0
364	99	123	03:34:27.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3102.33 +/-	4R3	4	0	4,978,580	70:1
365	99	123	03:34:32.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3103.56 +/-	4R3	4	0	4,978,580	78:0
366	99	123	03:34:34.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3103.62 +/-	4R3	4	0	4,978,580	79:8
367	99	123	03:34:35.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3103.50 +/-	4R3	4	0	4,978,580	81:9
368	99	123	03:34:54.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3099.11 +/-	4R3	4	0	4,978,581	19:0
369	99	123	03:35:16.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3093.80 +/-	4R3	4	0	4,978,581	53:0
370	99	123	03:35:16.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,581	53:0
371	99	123	03:35:18.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3093.74 +/-	4R3	4	0	4,978,581	54:8
372	99	123	03:36:05.466	117GC105A106A4DZ	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,582	35:0
373	99	123	03:36:16.800	117GC105A106A4EA	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,582	52:0
374	99	123	03:38:05.466	117GC105A106A4EB	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,584	33:0
375	99	123	03:38:16.800	117GC105A106A4EC	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,584	50:0
376	99	123	03:40:05.466	117GC105A106A4ED	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,586	31:0
377	99	123	03:40:16.800	117GC105A106A4EE	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,586	48:0
378	99	123	03:42:05.466	117GC105A106A4EF	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,588	29:0
379	99	123	03:42:16.800	117GC105A106A4EG	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,588	46:0
380	99	123	03:44:05.466	117GC105A106A4EH	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,590	27:0
381	99	123	03:44:16.800	117GC105A106A4EI	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,590	44:0
382	99	123	03:46:05.466	117GC105A106A4EJ	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,592	25:0
383	99	123	03:46:16.800	117GC105A106A4EK	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,592	42:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	99	123	03:48:05.466	117GC105A106A4EL	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,594	23:0
385	99	123	03:48:16.800	117GC105A106A4EM	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,594	40:0
386	99	123	03:48:50.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,595	00:0
387	99	123	03:48:50.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3093.74 +/-	4R3	4	0	4,978,595	00:0
388	99	123	03:48:52.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3093.86 +/-	4R3	4	0	4,978,595	02:1
389	99	123	03:48:57.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3095.10 +/-	4R3	4	0	4,978,595	10:0
390	99	123	03:48:58.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3095.16 +/-	4R3	4	0	4,978,595	11:8
391	99	123	03:49:00.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3095.04 +/-	4R3	4	0	4,978,595	13:9
392	99	123	03:49:18.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3090.65 +/-	4R3	4	0	4,978,595	42:0
393	99	123	03:49:41.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3085.33 +/-	4R3	4	0	4,978,595	76:0
394	99	123	03:49:41.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,595	76:0
395	99	123	03:49:42.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3085.27 +/-	4R3	4	0	4,978,595	77:8
396	99	123	03:50:05.466	117GC105A106A4EN	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,596	21:0
397	99	123	03:50:16.800	117GC105A106A4EO	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,596	38:0
398	99	123	03:52:05.466	117GC105A106A4EP	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,598	19:0
399	99	123	03:52:16.800	117GC105A106A4EQ	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,598	36:0
400	99	123	03:54:05.466	117GC105A106A4ER	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,600	17:0
401	99	123	03:54:16.800	117GC105A106A4ES	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,600	34:0
402	99	123	03:56:05.466	117GC105A106A4ET	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,602	15:0
403	99	123	03:56:16.800	117GC105A106A4EU	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,602	32:0
404	99	123	03:58:05.466	117GC105A106A4EV	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,604	13:0
405	99	123	03:58:16.800	117GC105A106A4EW	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,604	30:0
406	99	123	04:00:03.466	488AB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	4,978,606	08:0
407	99	123	04:00:05.466	117GC105A106A4EX	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,606	11:0
408	99	123	04:00:16.800	117GC105A106A4EY	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,606	28:0
409	99	123	04:02:05.466	117GC105A106A4EZ	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,608	09:0
410	99	123	04:02:16.800	117GC105A106A4FA	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,608	26:0
411	99	123	04:03:15.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,609	23:0
412	99	123	04:03:15.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3085.27 +/-	4R3	4	0	4,978,609	23:0
413	99	123	04:03:16.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3085.39 +/-	4R3	4	0	4,978,609	25:1
414	99	123	04:03:22.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3086.63 +/-	4R3	4	0	4,978,609	33:0
415	99	123	04:03:23.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3086.69 +/-	4R3	4	0	4,978,609	34:8
416	99	123	04:03:24.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3086.57 +/-	4R3	4	0	4,978,609	36:9
417	99	123	04:03:43.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3082.18 +/-	4R3	4	0	4,978,609	65:0
418	99	123	04:04:05.466	117GC105A106A4FB	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,610	07:0
419	99	123	04:04:06.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,610	08:0
420	99	123	04:04:06.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3076.86 +/-	4R3	4	0	4,978,610	08:0
421	99	123	04:04:07.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3076.80 +/-	4R3	4	0	4,978,610	09:8
422	99	123	04:04:16.800	117GC105A106A4FC	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,610	24:0
423	99	123	04:06:05.466	117GC105A106A4FD	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,612	05:0
424	99	123	04:06:16.800	117GC105A106A4FE	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,612	22:0
425	99	123	04:08:05.466	117GC105A106A4FF	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,614	03:0
426	99	123	04:08:16.800	117GC105A106A4FG	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,614	20:0
427	99	123	04:10:05.466	117GC105A106A4FH	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,616	01:0
428	99	123	04:10:16.800	117GC105A106A4FI	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,616	18:0
429	99	123	04:12:05.466	117GC105A106A4FJ	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,617	90:0
430	99	123	04:12:16.800	117GC105A106A4FK	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,618	16:0
431	99	123	04:14:05.466	117GC105A106A4FL	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,619	88:0
432	99	123	04:14:16.800	117GC105A106A4FM	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,620	14:0
433	99	123	04:16:05.466	117GC105A106A4FN	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,621	86:0
434	99	123	04:16:16.800	117GC105A106A4FO	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,622	12:0
435	99	123	04:17:39.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3076.80 +/-	4R3	4	0	4,978,623	45:0
436	99	123	04:17:39.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,623	45:0
437	99	123	04:17:40.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3076.92 +/-	4R3	4	0	4,978,623	47:1
438	99	123	04:17:46.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3078.16 +/-	4R3	4	0	4,978,623	55:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	99	123	04:17:47.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3078.22 +/-	4R3	4	0	4,978,623:56:8	
440	99	123	04:17:48.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3078.10 +/-	4R3	4	0	4,978,623:58:9	
441	99	123	04:18:05.466	117GC105A106A4FP	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,623:84:0	
442	99	123	04:18:07.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3073.71 +/-	4R3	4	0	4,978,623:87:0	
443	99	123	04:18:16.800	117GC105A106A4FQ	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,624:10:0	
444	99	123	04:18:30.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,624:30:0	
445	99	123	04:18:30.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3068.40 +/-	4R3	4	0	4,978,624:30:0	
446	99	123	04:18:31.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3068.34 +/-	4R3	4	0	4,978,624:31:8	
447	99	123	04:20:05.466	117GC105A106A4FR	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,625:82:0	
448	99	123	04:20:16.800	117GC105A106A4FS	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,626:08:0	
449	99	123	04:22:05.466	117GC105A106A4FT	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,627:80:0	
450	99	123	04:22:16.800	117GC105A106A4FU	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,628:06:0	
451	99	123	04:23:38.133	488AB6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	4,978,629:37:0	
452	99	123	04:24:05.466	117GC105A106A4FV	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,629:78:0	
453	99	123	04:24:16.800	117GC105A106A4FW	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,630:04:0	
454	99	123	04:26:05.466	117GC105A106A4FX	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,631:76:0	
455	99	123	04:26:16.800	117GC105A106A4FY	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,632:02:0	
456	99	123	04:28:05.466	117GC105A106A4FZ	7STRP	-0.0034,0.035165	Slew =12.01	4R3	4	0	4,978,633:74:0	
457	99	123	04:28:16.800	117GC105A106A4GA	7STRP	0.005,-0.035015,	Slew =,0.34	4R3	4	0	4,978,634:00:0	
458	**99**	**123**	**04:28:20.800**	**20NNJUPRTS01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
459	**99**	**123**	**04:28:31.466**	**20DH5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,978,634:22:0**	
460	**99**	**123**	**04:28:32.800**	**20DH5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,978,634:24:0**	
461	**99**	**123**	**04:28:34.800**	**20DH6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,978,634:27:0**	
462	**99**	**123**	**04:28:44.800**	**20DH6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,978,634:42:0**	
463	**99**	**123**	**04:28:58.133**	**20DH5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,978,634:62:0**	
464	**99**	**123**	**04:29:01.466**	**20DH5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,978,634:67:0**	
465	**99**	**123**	**04:29:32.800**	**20DH4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,978,635:23:0**	
466	99	123	04:29:55.466	488AB6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R0	4	0	4,978,635:57:0	
467	99	123	04:30:05.466	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R0	4	0	4,978,635:72:0	
468	**99**	**123**	**04:30:22.134**	**20NNJUPRTS01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
469	99	123	04:30:48.133	176GC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R0	4	0	4,978,636:45:0	
470	99	123	04:30:50.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3068.34 +/-	2R0	4	0	4,978,636:48:0	
471	99	123	04:30:50.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	4,978,636:48:0	
472	99	123	04:30:51.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3068.46 +/-	2R0	4	0	4,978,636:50:1	
473	99	123	04:30:56.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3069.69 +/-	2R0	4	0	4,978,636:58:0	
474	99	123	04:30:58.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3069.75 +/-	2R0	4	0	4,978,636:59:8	
475	99	123	04:30:59.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3069.63 +/-	2R0	4	0	4,978,636:61:9	
476	99	123	04:31:00.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3069.46 +/-	2R0	4	0	4,978,636:63:0	
477	**99**	**123**	**04:31:14.133**	**125DH4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**4,978,636:84:0**	
478	99	123	04:31:14.133	125DH	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,978,636:84:0	
479	99	123	04:31:18.133	165DH4A	**7SCAN**	**NORM,291.341999,**	**Check S/P Position**	2R0	4	0	4,978,636:90:0	
480	99	123	04:31:20.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3064.61 +/-	2R0	4	0	4,978,637:03:0	
481	99	123	04:31:20.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,978,637:03:0	
482	99	123	04:31:22.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3064.55 +/-	2R0	4	0	4,978,637:04:8	
483	**99**	**123**	**04:31:22.800**	**20JNJUPRTS01***		**-----START------**		**2R0**	**4**	**0**	**: :**	
484	99	123	04:32:14.800	125DH11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,978,637:84:0	
485	**99**	**123**	**04:32:14.800**	**125DH4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**4,978,637:84:0**	
486	99	123	04:33:15.466	127DH	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	4,978,638:84:0	
487	**99**	**123**	**04:33:15.466**	**127DH4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,978,638:84:0**	
488	**99**	**123**	**04:33:16.133**	**127DH4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,978,638:85:0**	
489	99	123	04:33:24.133	127DH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,978,639:06:0	
490	99	123	04:35:12.133	117DH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,978,640:77:0	
491	99	123	04:35:21.466	117DH105A106A4A	**7STRP**	**-0.036016,0.0,0,**	**Slew =,0.06**	2R3	4	0	4,978,641:00:0	
492	**99**	**123**	**04:35:25.466**	**432DH6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**4,978,641:06:0**	
493	99	123	04:45:28.133	117DH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,978,651:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
494	**99**	**123**	**04:45:30.800**	**432DX6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**4,978,651:04:0**
495	**99**	**123**	**04:45:32.134**	**20JNJUPRTS01***		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
496	99	123	04:51:58.133	488AB6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	4,978,657:39:0
497	99	123	05:53:07.466	488AB6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,978,717:83:0
498	99	123	05:58:18.800	488AC6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,978,723:04:0
499	**99**	**123**	**06:30:41.467**	**20NNJUPRTS02-**		**-----START------**		**2R3**	**4**	**0**	**: :**
500	**99**	**123**	**06:30:52.133**	**20DI5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**4,978,755:22:0**
501	**99**	**123**	**06:30:53.466**	**20DI5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**4,978,755:24:0**
502	**99**	**123**	**06:30:55.466**	**20DI6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**4,978,755:27:0**
503	**99**	**123**	**06:31:05.466**	**20DI6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**4,978,755:42:0**
504	**99**	**123**	**06:31:18.800**	**20DI5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,978,755:62:0**
505	**99**	**123**	**06:31:22.133**	**20DI5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,978,755:67:0**
506	**99**	**123**	**06:31:53.466**	**20DI4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,978,756:23:0**
507	**99**	**123**	**06:32:42.800**	**20NNJUPRTS02-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
508	**99**	**123**	**06:33:34.800**	**125DI4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,978,757:84:0**
509	99	123	06:33:34.800	125DI	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,978,757:84:0
510	99	123	06:33:38.800	165DI4A	**7SCAN**	**NORM,299.397999,**	**Check S/P Position**	4R0	4	0	4,978,757:90:0
511	**99**	**123**	**06:33:43.467**	**20JNJUPRTS02***		**-----START------**		**4R0**	**4**	**0**	**: :**
512	99	123	06:34:35.466	125DI11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,978,758:84:0
513	**99**	**123**	**06:34:35.466**	**125DI4B**	**37MB**	**13,19,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**4,978,758:84:0**
514	99	123	06:35:22.800	488AC6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R0	4	0	4,978,759:64:0
515	99	123	06:35:36.133	127DI	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,978,759:84:0
516	**99**	**123**	**06:35:36.133**	**127DI4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,978,759:84:0**
517	**99**	**123**	**06:35:36.800**	**127DI4B**	**37ETB**	**0A,CA,18,00,FF,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,978,759:85:0**
518	99	123	06:35:44.800	127DI11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,978,760:06:0
519	**99**	**123**	**06:36:45.466**	**432DI6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,978,761:06:0**
520	99	123	06:37:32.800	117DI	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,978,761:77:0
521	99	123	06:37:40.800	165DI4B	7VECT		Inert vect update UTC	4R3	4	0	4,978,761:89:0
522	99	123	06:37:42.133	117DI105A106A4A	**7STRP**	**0.0,0.0,0,0,0,0,**	**Slew =,0.06**	4R3	4	0	4,978,762:00:0
523	99	123	06:42:32.133	117DI105A106A4B	**7STRP**	**0.030009,0.002,0**	**Slew =12.01**	4R3	4	0	4,978,766:71:0
524	99	123	06:42:44.133	117DI105A106A4C	**7STRP**	**0.0,0.0,0,0,0,0,**	**Slew =,0.06**	4R3	4	0	4,978,766:89:0
525	**99**	**123**	**06:46:50.800**	**432EY6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,978,771:04:0**
526	99	123	06:47:34.133	117DI11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,978,771:69:0
527	**99**	**123**	**06:47:52.800**	**20JNJUPRTS02***		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
528	99	123	06:48:48.800	165GD4A	7SCAN	NORM,301.315998,	Check S/P Position	4R3	4	0	4,978,772:90:0
529	99	123	06:51:51.466	176GD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,978,776:00:0
530	99	123	06:52:42.800	117GD	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,978,776:77:0
531	99	123	06:52:52.133	117GD105A106A4A	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,777:00:0
532	99	123	06:55:15.466	117GD105A106A4B	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,779:33:0
533	99	123	06:55:26.800	117GD105A106A4C	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,779:50:0
534	99	123	06:57:50.133	117GD105A106A4D	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,781:83:0
535	99	123	06:58:01.466	117GD105A106A4E	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,782:09:0
536	99	123	07:00:24.800	117GD105A106A4F	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,784:42:0
537	99	123	07:00:36.133	117GD105A106A4G	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,784:59:0
538	99	123	07:02:59.466	117GD105A106A4H	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,787:01:0
539	99	123	07:03:10.800	117GD105A106A4I	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,787:18:0
540	99	123	07:05:34.133	117GD105A106A4J	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,789:51:0
541	99	123	07:05:45.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3064.55 +/-	4R3	4	0	4,978,789:68:0
542	99	123	07:05:45.466	117GD105A106A4K	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,789:68:0
543	99	123	07:05:45.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,789:68:0
544	99	123	07:05:46.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3064.67 +/-	4R3	4	0	4,978,789:70:1
545	99	123	07:05:52.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3065.91 +/-	4R3	4	0	4,978,789:78:0
546	99	123	07:05:53.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3065.97 +/-	4R3	4	0	4,978,789:79:8
547	99	123	07:05:54.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3065.85 +/-	4R3	4	0	4,978,789:81:9
548	99	123	07:06:13.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3061.46 +/-	4R3	4	0	4,978,790:19:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
549	99	123	07:06:36.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,790:53:0
550	99	123	07:06:36.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3056.15 +/-	4R3	4	0	4,978,790:53:0
551	99	123	07:06:37.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3056.09 +/-	4R3	4	0	4,978,790:54:8
552	99	123	07:08:08.800	117GD105A106A4L	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,792:10:0
553	99	123	07:08:20.133	117GD105A106A4M	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,792:27:0
554	99	123	07:10:43.466	117GD105A106A4N	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,794:60:0
555	99	123	07:10:54.800	117GD105A106A4O	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,794:77:0
556	99	123	07:13:18.133	117GD105A106A4P	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,797:19:0
557	99	123	07:13:29.466	117GD105A106A4Q	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,797:36:0
558	99	123	07:15:52.800	117GD105A106A4R	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,799:69:0
559	99	123	07:16:04.133	117GD105A106A4S	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,799:86:0
560	99	123	07:18:27.466	117GD105A106A4T	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,802:28:0
561	99	123	07:18:38.800	117GD105A106A4U	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,802:45:0
562	99	123	07:20:09.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,803:90:0
563	99	123	07:20:09.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3056.09 +/-	4R3	4	0	4,978,803:90:0
564	99	123	07:20:10.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3056.21 +/-	4R3	4	0	4,978,804:01:1
565	99	123	07:20:16.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3057.44 +/-	4R3	4	0	4,978,804:09:0
566	99	123	07:20:17.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3057.50 +/-	4R3	4	0	4,978,804:10:8
567	99	123	07:20:18.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3057.38 +/-	4R3	4	0	4,978,804:12:9
568	99	123	07:20:37.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3052.99 +/-	4R3	4	0	4,978,804:41:0
569	99	123	07:21:00.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3047.68 +/-	4R3	4	0	4,978,804:75:0
570	99	123	07:21:00.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,804:75:0
571	99	123	07:21:01.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3047.62 +/-	4R3	4	0	4,978,804:76:8
572	99	123	07:21:02.133	117GD105A106A4V	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,804:78:0
573	99	123	07:21:13.466	117GD105A106A4W	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,805:04:0
574	99	123	07:23:36.800	117GD105A106A4X	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,807:37:0
575	99	123	07:23:48.133	117GD105A106A4Y	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,807:54:0
576	99	123	07:26:11.466	117GD105A106A4Z	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,809:87:0
577	99	123	07:26:22.800	117GD105A106A4AA	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,810:13:0
578	99	123	07:28:46.133	117GD105A106A4AB	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,812:46:0
579	99	123	07:28:57.466	117GD105A106A4AC	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,812:63:0
580	99	123	07:31:20.800	117GD105A106A4AD	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,815:05:0
581	99	123	07:31:32.133	117GD105A106A4AE	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,815:22:0
582	99	123	07:33:55.466	117GD105A106A4AF	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,817:55:0
583	99	123	07:34:06.800	117GD105A106A4AG	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,817:72:0
584	99	123	07:34:34.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,818:22:0
585	99	123	07:34:34.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3047.62 +/-	4R3	4	0	4,978,818:22:0
586	99	123	07:34:35.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3047.74 +/-	4R3	4	0	4,978,818:24:1
587	99	123	07:34:40.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3048.97 +/-	4R3	4	0	4,978,818:32:0
588	99	123	07:34:42.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3049.03 +/-	4R3	4	0	4,978,818:33:8
589	99	123	07:34:43.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3048.91 +/-	4R3	4	0	4,978,818:35:9
590	99	123	07:35:02.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3044.52 +/-	4R3	4	0	4,978,818:64:0
591	99	123	07:35:24.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,819:07:0
592	99	123	07:35:24.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3039.21 +/-	4R3	4	0	4,978,819:07:0
593	99	123	07:35:26.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3039.15 +/-	4R3	4	0	4,978,819:08:8
594	99	123	07:36:30.133	117GD105A106A4AH	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,820:14:0
595	99	123	07:36:41.466	117GD105A106A4AI	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,820:31:0
596	99	123	07:39:04.800	117GD105A106A4AJ	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,822:64:0
597	99	123	07:39:16.133	117GD105A106A4AK	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,822:81:0
598	99	123	07:41:39.466	117GD105A106A4AL	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,825:23:0
599	99	123	07:41:50.800	117GD105A106A4AM	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,825:40:0
600	99	123	07:44:14.133	117GD105A106A4AN	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,827:73:0
601	99	123	07:44:25.466	117GD105A106A4AO	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,827:90:0
602	99	123	07:46:48.800	117GD105A106A4AP	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,830:32:0
603	99	123	07:47:00.133	117GD105A106A4AQ	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,830:49:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	99	123	07:48:58.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3039.15 +/-	4R3	4	0	4,978,832	45:0
605	99	123	07:48:58.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,832	45:0
606	99	123	07:49:00.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3039.27 +/-	4R3	4	0	4,978,832	47:1
607	99	123	07:49:05.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3040.50 +/-	4R3	4	0	4,978,832	55:0
608	99	123	07:49:06.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3040.56 +/-	4R3	4	0	4,978,832	56:8
609	99	123	07:49:08.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3040.44 +/-	4R3	4	0	4,978,832	58:9
610	99	123	07:49:23.466	117GD105A106A4AR	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,832	82:0
611	99	123	07:49:26.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3036.05 +/-	4R3	4	0	4,978,832	87:0
612	99	123	07:49:34.800	117GD105A106A4AS	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,833	08:0
613	99	123	07:49:49.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,833	30:0
614	99	123	07:49:49.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3030.74 +/-	4R3	4	0	4,978,833	30:0
615	99	123	07:49:50.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3030.68 +/-	4R3	4	0	4,978,833	31:8
616	99	123	07:51:58.133	117GD105A106A4AT	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,835	41:0
617	99	123	07:52:09.466	117GD105A106A4AU	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,835	58:0
618	99	123	07:54:32.800	117GD105A106A4AV	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,838	00:0
619	99	123	07:54:44.133	117GD105A106A4AW	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,838	17:0
620	99	123	07:57:07.466	117GD105A106A4AX	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,840	50:0
621	99	123	07:57:18.800	117GD105A106A4AY	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,840	67:0
622	99	123	07:59:42.133	117GD105A106A4AZ	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,843	09:0
623	99	123	07:59:53.466	117GD105A106A4BA	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,843	26:0
624	99	123	08:02:16.800	117GD105A106A4BB	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,845	59:0
625	99	123	08:02:28.133	117GD105A106A4BC	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,845	76:0
626	99	123	08:03:23.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3030.68 +/-	4R3	4	0	4,978,846	68:0
627	99	123	08:03:23.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,846	68:0
628	99	123	08:03:24.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3030.80 +/-	4R3	4	0	4,978,846	70:1
629	99	123	08:03:30.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3032.03 +/-	4R3	4	0	4,978,846	78:0
630	99	123	08:03:31.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3032.09 +/-	4R3	4	0	4,978,846	79:8
631	99	123	08:03:32.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3031.97 +/-	4R3	4	0	4,978,846	81:9
632	99	123	08:03:51.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3027.58 +/-	4R3	4	0	4,978,847	19:0
633	99	123	08:04:14.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3022.27 +/-	4R3	4	0	4,978,847	53:0
634	99	123	08:04:14.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,847	53:0
635	99	123	08:04:15.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3022.21 +/-	4R3	4	0	4,978,847	54:8
636	99	123	08:04:51.466	117GD105A106A4BD	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,848	18:0
637	99	123	08:05:02.800	117GD105A106A4BE	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,848	35:0
638	99	123	08:07:26.133	117GD105A106A4BF	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,850	68:0
639	99	123	08:07:37.466	117GD105A106A4BG	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,850	85:0
640	99	123	08:10:00.800	117GD105A106A4BH	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,853	27:0
641	99	123	08:10:12.133	117GD105A106A4BI	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,853	44:0
642	99	123	08:12:35.466	117GD105A106A4BJ	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,855	77:0
643	99	123	08:12:46.800	117GD105A106A4BK	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,856	03:0
644	99	123	08:15:10.133	117GD105A106A4BL	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,858	36:0
645	99	123	08:15:21.466	117GD105A106A4BM	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,858	53:0
646	99	123	08:17:44.800	117GD105A106A4BN	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,860	86:0
647	99	123	08:17:48.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3022.21 +/-	4R3	4	0	4,978,861	00:0
648	99	123	08:17:48.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,861	00:0
649	99	123	08:17:49.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3022.33 +/-	4R3	4	0	4,978,861	02:1
650	99	123	08:17:54.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3023.56 +/-	4R3	4	0	4,978,861	10:0
651	99	123	08:17:56.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3023.62 +/-	4R3	4	0	4,978,861	11:8
652	99	123	08:17:56.133	117GD105A106A4BO	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,861	12:0
653	99	123	08:17:57.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3023.50 +/-	4R3	4	0	4,978,861	13:9
654	99	123	08:18:16.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3019.11 +/-	4R3	4	0	4,978,861	42:0
655	99	123	08:18:38.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,861	76:0
656	99	123	08:18:38.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3013.80 +/-	4R3	4	0	4,978,861	76:0
657	99	123	08:18:40.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3013.74 +/-	4R3	4	0	4,978,861	77:8
658	99	123	08:20:19.466	117GD105A106A4BP	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,863	45:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	99	123	08:20:30.800	117GD105A106A4BQ	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,863	62:0
660	99	123	08:22:54.133	117GD105A106A4BR	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,866	04:0
661	99	123	08:23:05.466	117GD105A106A4BS	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,866	21:0
662	99	123	08:25:28.800	117GD105A106A4BT	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,868	54:0
663	99	123	08:25:40.133	117GD105A106A4BU	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,868	71:0
664	99	123	08:28:03.466	117GD105A106A4BV	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,871	13:0
665	99	123	08:28:14.800	117GD105A106A4BW	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,871	30:0
666	99	123	08:30:38.133	117GD105A106A4BX	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,873	63:0
667	99	123	08:30:49.466	117GD105A106A4BY	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,873	80:0
668	99	123	08:32:12.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3013.74 +/-	4R3	4	0	4,978,875	22:0
669	99	123	08:32:12.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,875	22:0
670	99	123	08:32:13.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3013.86 +/-	4R3	4	0	4,978,875	24:1
671	99	123	08:32:18.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3015.10 +/-	4R3	4	0	4,978,875	32:0
672	99	123	08:32:20.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3015.16 +/-	4R3	4	0	4,978,875	33:8
673	99	123	08:32:21.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3015.04 +/-	4R3	4	0	4,978,875	35:9
674	99	123	08:32:40.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3010.65 +/-	4R3	4	0	4,978,875	64:0
675	99	123	08:33:02.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3005.33 +/-	4R3	4	0	4,978,876	07:0
676	99	123	08:33:02.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,876	07:0
677	99	123	08:33:04.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3005.27 +/-	4R3	4	0	4,978,876	08:8
678	99	123	08:33:12.800	117GD105A106A4BZ	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,876	22:0
679	99	123	08:33:24.133	117GD105A106A4CA	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,876	39:0
680	99	123	08:35:47.466	117GD105A106A4CB	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,878	72:0
681	99	123	08:35:58.800	117GD105A106A4CC	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,878	89:0
682	99	123	08:38:22.133	117GD105A106A4CD	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,881	31:0
683	99	123	08:38:33.466	117GD105A106A4CE	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,881	48:0
684	99	123	08:40:56.800	117GD105A106A4CF	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,883	81:0
685	99	123	08:41:08.133	117GD105A106A4CG	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,884	07:0
686	99	123	08:43:31.466	117GD105A106A4CH	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,886	40:0
687	99	123	08:43:42.800	117GD105A106A4CI	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,886	57:0
688	99	123	08:46:06.133	117GD105A106A4CJ	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,888	90:0
689	99	123	08:46:17.466	117GD105A106A4CK	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,889	16:0
690	99	123	08:46:36.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,889	45:0
691	99	123	08:46:36.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3005.27 +/-	4R3	4	0	4,978,889	45:0
692	99	123	08:46:38.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3005.39 +/-	4R3	4	0	4,978,889	47:1
693	99	123	08:46:43.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3006.63 +/-	4R3	4	0	4,978,889	55:0
694	99	123	08:46:44.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3006.69 +/-	4R3	4	0	4,978,889	56:8
695	99	123	08:46:46.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *3006.57 +/-	4R3	4	0	4,978,889	58:9
696	99	123	08:47:04.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3002.18 +/-	4R3	4	0	4,978,889	87:0
697	99	123	08:47:27.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,890	30:0
698	99	123	08:47:27.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2996.86 +/-	4R3	4	0	4,978,890	30:0
699	99	123	08:47:28.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2996.80 +/-	4R3	4	0	4,978,890	31:8
700	99	123	08:48:40.800	117GD105A106A4CL	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,891	49:0
701	99	123	08:48:52.133	117GD105A106A4CM	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,891	66:0
702	99	123	08:51:15.466	117GD105A106A4CN	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,894	08:0
703	99	123	08:51:26.800	117GD105A106A4CO	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,894	25:0
704	99	123	08:53:50.133	117GD105A106A4CP	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,896	58:0
705	99	123	08:54:01.466	117GD105A106A4CQ	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,896	75:0
706	99	123	08:56:24.800	117GD105A106A4CR	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,899	17:0
707	99	123	08:56:36.133	117GD105A106A4CS	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,899	34:0
708	99	123	08:58:59.466	117GD105A106A4CT	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,901	67:0
709	99	123	08:59:10.800	117GD105A106A4CU	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,901	84:0
710	99	123	09:01:01.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,903	68:0
711	99	123	09:01:01.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2996.80 +/-	4R3	4	0	4,978,903	68:0
712	99	123	09:01:02.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2996.92 +/-	4R3	4	0	4,978,903	70:1
713	99	123	09:01:08.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2998.16 +/-	4R3	4	0	4,978,903	78:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	99	123	09:01:09.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2998.22 +/-	4R3	4	0	4,978,903	79:8
715	99	123	09:01:10.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2998.10 +/-	4R3	4	0	4,978,903	81:9
716	99	123	09:01:29.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2993.71 +/-	4R3	4	0	4,978,904	19:0
717	99	123	09:01:34.133	117GD105A106A4CV	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,904	26:0
718	99	123	09:01:45.466	117GD105A106A4CW	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,904	43:0
719	99	123	09:01:52.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,904	53:0
720	99	123	09:01:52.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2988.40 +/-	4R3	4	0	4,978,904	53:0
721	99	123	09:01:53.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2988.34 +/-	4R3	4	0	4,978,904	54:8
722	99	123	09:04:08.800	117GD105A106A4CX	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,906	76:0
723	99	123	09:04:20.133	117GD105A106A4CY	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,907	02:0
724	99	123	09:06:43.466	117GD105A106A4CZ	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,909	35:0
725	99	123	09:06:54.800	117GD105A106A4DA	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,909	52:0
726	99	123	09:09:18.133	117GD105A106A4DB	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,911	85:0
727	99	123	09:09:29.466	117GD105A106A4DC	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,912	11:0
728	99	123	09:11:52.800	117GD105A106A4DD	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,914	44:0
729	99	123	09:12:04.133	117GD105A106A4DE	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,914	61:0
730	99	123	09:14:27.466	117GD105A106A4DF	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,917	03:0
731	99	123	09:14:38.800	117GD105A106A4DG	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,917	20:0
732	99	123	09:15:26.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2988.34 +/-	4R3	4	0	4,978,918	00:0
733	99	123	09:15:26.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,918	00:0
734	99	123	09:15:27.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2988.46 +/-	4R3	4	0	4,978,918	02:1
735	99	123	09:15:32.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2989.69 +/-	4R3	4	0	4,978,918	10:0
736	99	123	09:15:34.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2989.75 +/-	4R3	4	0	4,978,918	11:8
737	99	123	09:15:35.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2989.63 +/-	4R3	4	0	4,978,918	13:9
738	99	123	09:15:54.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2985.24 +/-	4R3	4	0	4,978,918	42:0
739	99	123	09:16:16.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2979.93 +/-	4R3	4	0	4,978,918	76:0
740	99	123	09:16:16.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,918	76:0
741	99	123	09:16:18.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2979.87 +/-	4R3	4	0	4,978,918	77:8
742	99	123	09:17:02.133	117GD105A106A4DH	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,919	53:0
743	99	123	09:17:13.466	117GD105A106A4DI	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,919	70:0
744	99	123	09:19:36.800	117GD105A106A4DJ	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,922	12:0
745	99	123	09:19:48.133	117GD105A106A4DK	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,922	29:0
746	99	123	09:22:11.466	117GD105A106A4DL	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,924	62:0
747	99	123	09:22:22.800	117GD105A106A4DM	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,924	79:0
748	99	123	09:24:46.133	117GD105A106A4DN	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,927	21:0
749	99	123	09:24:57.466	117GD105A106A4DO	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,927	38:0
750	99	123	09:27:20.800	117GD105A106A4DP	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,929	71:0
751	99	123	09:27:32.133	117GD105A106A4DQ	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,929	88:0
752	99	123	09:29:50.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2979.87 +/-	4R3	4	0	4,978,932	23:0
753	99	123	09:29:50.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,932	23:0
754	99	123	09:29:52.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2979.99 +/-	4R3	4	0	4,978,932	25:1
755	99	123	09:29:55.466	117GD105A106A4DR	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,932	30:0
756	99	123	09:29:57.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2981.22 +/-	4R3	4	0	4,978,932	33:0
757	99	123	09:29:58.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2981.28 +/-	4R3	4	0	4,978,932	34:8
758	99	123	09:30:00.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2981.16 +/-	4R3	4	0	4,978,932	36:9
759	99	123	09:30:06.800	117GD105A106A4DS	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,932	47:0
760	99	123	09:30:18.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2976.77 +/-	4R3	4	0	4,978,932	65:0
761	99	123	09:30:41.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2971.46 +/-	4R3	4	0	4,978,933	08:0
762	99	123	09:30:41.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,933	08:0
763	99	123	09:30:42.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2971.40 +/-	4R3	4	0	4,978,933	09:8
764	99	123	09:32:30.133	117GD105A106A4DT	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,934	80:0
765	99	123	09:32:41.466	117GD105A106A4DU	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,935	06:0
766	99	123	09:35:04.800	117GD105A106A4DV	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,937	39:0
767	99	123	09:35:16.133	117GD105A106A4DW	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,937	56:0
768	99	123	09:37:39.466	117GD105A106A4DX	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,939	89:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	99	123	09:37:50.800	117GD105A106A4DY	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,940:15:0	
770	99	123	09:40:14.133	117GD105A106A4DZ	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,942:48:0	
771	99	123	09:40:25.466	117GD105A106A4EA	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,942:65:0	
772	99	123	09:42:48.800	117GD105A106A4EB	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,945:07:0	
773	99	123	09:43:00.133	117GD105A106A4EC	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,945:24:0	
774	99	123	09:44:14.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,946:45:0	
775	99	123	09:44:14.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2971.40 +/-	4R3	4	0	4,978,946:45:0	
776	99	123	09:44:16.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2971.52 +/-	4R3	4	0	4,978,946:47:1	
777	99	123	09:44:21.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2972.75 +/-	4R3	4	0	4,978,946:55:0	
778	99	123	09:44:22.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2972.81 +/-	4R3	4	0	4,978,946:56:8	
779	99	123	09:44:24.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2972.69 +/-	4R3	4	0	4,978,946:58:9	
780	99	123	09:44:42.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2968.30 +/-	4R3	4	0	4,978,946:87:0	
781	99	123	09:45:05.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,947:30:0	
782	99	123	09:45:05.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2962.99 +/-	4R3	4	0	4,978,947:30:0	
783	99	123	09:45:06.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2962.93 +/-	4R3	4	0	4,978,947:31:8	
784	99	123	09:45:23.466	117GD105A106A4ED	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,947:57:0	
785	99	123	09:45:34.800	117GD105A106A4EE	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,947:74:0	
786	99	123	09:47:58.133	117GD105A106A4EF	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,950:16:0	
787	99	123	09:48:09.466	117GD105A106A4EG	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,950:33:0	
788	99	123	09:50:32.800	117GD105A106A4EH	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,952:66:0	
789	99	123	09:50:44.133	117GD105A106A4EI	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,952:83:0	
790	99	123	09:53:07.466	117GD105A106A4EJ	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,955:25:0	
791	99	123	09:53:18.800	117GD105A106A4EK	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,955:42:0	
792	99	123	09:55:42.133	117GD105A106A4EL	7STRP	-0.0018,0.042226	Slew =12.01	4R3	4	0	4,978,957:75:0	
793	99	123	09:55:53.466	117GD105A106A4EM	7STRP	0.004,-0.042026,	Slew =,0.32	4R3	4	0	4,978,958:01:0	
794	**99**	**123**	**09:56:57.467**	**20NNGRWAKE01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
795	**99**	**123**	**09:57:11.466**	**20DC5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,978,959:27:0**	
796	**99**	**123**	**09:57:12.800**	**20DC5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,978,959:29:0**	
797	**99**	**123**	**09:57:14.133**	**20DC6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,978,959:31:0**	
798	**99**	**123**	**09:57:24.133**	**20DC6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,978,959:46:0**	
799	**99**	**123**	**09:57:34.133**	**20DC5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,978,959:61:0**	
800	**99**	**123**	**09:57:54.133**	**20DC5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,978,960:00:0**	
801	**99**	**123**	**09:58:09.466**	**20DC4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,978,960:23:0**	
802	99	123	09:58:16.800	117GD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R0	4	0	4,978,960:34:0	
803	99	123	09:58:39.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2962.93 +/-	2R0	4	0	4,978,960:68:0	
804	99	123	09:58:39.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	4,978,960:68:0	
805	99	123	09:58:40.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2963.05 +/-	2R0	4	0	4,978,960:70:1	
806	99	123	09:58:46.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2964.28 +/-	2R0	4	0	4,978,960:78:0	
807	99	123	09:58:47.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2964.34 +/-	2R0	4	0	4,978,960:79:8	
808	99	123	09:58:48.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2964.22 +/-	2R0	4	0	4,978,960:81:9	
809	**99**	**123**	**09:58:58.800**	**20JNGRWAKE01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
810	**99**	**123**	**09:58:58.800**	**20NNGRWAKE01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
811	99	123	09:59:07.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2959.83 +/-	2R0	4	0	4,978,961:19:0	
812	99	123	09:59:24.800	176GD6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R0	4	0	4,978,961:45:0	
813	99	123	09:59:26.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	4,978,961:48:0	
814	99	123	09:59:30.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2954.52 +/-	2R0	4	0	4,978,961:53:0	
815	99	123	09:59:30.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,978,961:53:0	
816	99	123	09:59:31.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2954.46 +/-	2R0	4	0	4,978,961:54:8	
817	99	123	09:59:36.800		DMS:	**: *RECORD**	RDY, TRACK 2, REV, TIC *2953.18 +/-	2R0	4	0	4,978,961:63:0	
818	99	123	09:59:46.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,978,961:77:0	
819	99	123	09:59:54.800	165DC4A	**7SCAN**	**NORM,319.378998,**	**Check S/P Position**	2R0	4	0	4,978,961:90:0	
820	**99**	**123**	**10:01:52.133**	**125DC4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,978,963:84:0**	
821	99	123	10:01:52.133	125DC	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,978,963:84:0	
822	99	123	10:01:52.133	125DC11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,978,963:84:0	
823	**99**	**123**	**10:02:52.800**	**127DC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,978,964:84:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	99	123	10:02:52.800	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,978,964:84:0	
825	**99**	**123**	**10:02:53.466**	**127DC4B**	**37ETB**	**0A,CA,16,05,FF,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,978,964:85:0**	
826	99	123	10:03:01.466	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,978,965:06:0	
827	99	123	10:03:46.133	175DC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,978,965:73:0	
828	99	123	10:03:46.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2953.18 +/-	4R3	4	0	4,978,965:73:0	
829	99	123	10:03:47.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2953.30 +/-	4R3	4	0	4,978,965:75:1	
830	99	123	10:03:48.800	117DC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,978,965:77:0	
831	99	123	10:03:52.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2954.53 +/-	4R3	4	0	4,978,965:83:0	
832	99	123	10:03:54.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2954.59 +/-	4R3	4	0	4,978,965:84:8	
833	99	123	10:03:54.800	175DC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,978,965:86:0	
834	99	123	10:03:55.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2954.47 +/-	4R3	4	0	4,978,965:86:9	
835	99	123	10:03:55.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2954.47 +/-	4R3	4	0	4,978,965:86:9	
836	99	123	10:03:58.133	117DC105A106A4A	**7STRP**	**-0.018002,0.0,0,**	**Slew =,0.03**	4R3	4	0	4,978,966:00:0	
837	**99**	**123**	**10:06:14.800**	**20JNGRWAKE01-**	**NIMPBK**	**301DC**	**JUPITER GRA WAKE OBS**	**4R3**	**4**	**0**	**: :**	
838	**99**	**123**	**10:13:40.800**	**20JNGRWAKE01-**	**DESELC**	**300DC**	**JUPITER GRS WAKE OBS**	**4R3**	**4**	**0**	**: :**	
839	99	123	10:13:50.800	175DC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,978,975:70:0	
840	99	123	10:13:50.800	175DC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,978,975:70:0	
841	99	123	10:13:50.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2814.93 +/-	4R3	4	0	4,978,975:70:0	
842	99	123	10:13:52.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2814.87 +/-	4R3	4	0	4,978,975:71:8	
843	99	123	10:14:04.800	117DC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,978,976:00:0	
844	**99**	**123**	**10:19:12.134**	**20JNGRWAKE01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
845	**99**	**123**	**10:57:37.467**	**20NNHOTMAP01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
846	**99**	**123**	**10:58:52.133**	**20DD5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,979,020:27:0**	
847	**99**	**123**	**10:58:53.466**	**20DD5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,979,020:29:0**	
848	**99**	**123**	**10:58:54.800**	**20DD6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,979,020:31:0**	
849	**99**	**123**	**10:59:04.800**	**20DD6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,979,020:46:0**	
850	**99**	**123**	**10:59:14.800**	**20DD5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,979,020:61:0**	
851	**99**	**123**	**10:59:34.800**	**20DD5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,979,021:00:0**	
852	**99**	**123**	**10:59:38.800**	**20NNHOTMAP01-**		**-----STOP-------**		**260**	**4**	**0**	**: :**	
853	**99**	**123**	**10:59:50.133**	**20DD4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,979,021:23:0**	
854	99	123	11:00:34.800	165DD4A	**7SCAN**	**NORM,324.059998,**	**Check S/P Position**	2R0	4	0	4,979,021:90:0	
855	**99**	**123**	**11:00:39.467**	**20JNHOTMAP01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
856	**99**	**123**	**11:02:32.133**	**125DD4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,979,023:84:0**	
857	99	123	11:02:32.133	125DD	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,979,023:84:0	
858	99	123	11:02:32.133	125DD11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,979,023:84:0	
859	99	123	11:04:26.133	175DD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R0	4	0	4,979,025:73:0	
860	99	123	11:04:26.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2814.87 +/-	4R0	4	0	4,979,025:73:0	
861	99	123	11:04:27.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2814.99 +/-	4R0	4	0	4,979,025:75:1	
862	99	123	11:04:28.800	117DD	**CSMOS**	GS	***** GROUP START CSMOS	4R0	4	0	4,979,025:77:0	
863	99	123	11:04:32.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2816.22 +/-	4R0	4	0	4,979,025:83:0	
864	**99**	**123**	**11:04:33.466**	**127DD4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,979,025:84:0**	
865	99	123	11:04:33.466	127DD	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,979,025:84:0	
866	99	123	11:04:34.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2816.28 +/-	4R3	4	0	4,979,025:84:8	
867	**99**	**123**	**11:04:34.133**	**127DD4B**	**37ETB**	**0A,CA,16,05,FF,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,979,025:85:0**	
868	99	123	11:04:34.800	175DD176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,979,025:86:0	
869	99	123	11:04:35.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2816.16 +/-	4R3	4	0	4,979,025:86:9	
870	99	123	11:04:35.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2816.16 +/-	4R3	4	0	4,979,025:86:9	
871	99	123	11:04:38.133	117DD105A106A4A	**7STRP**	**-0.013401,0.0,0,**	**Slew =,0.03**	4R3	4	0	4,979,026:00:0	
872	99	123	11:04:42.133	127DD11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,979,026:06:0	
873	99	123	11:12:06.133	117DD105A106A4B	**7STRP**	**0.025005,-0.006,**	**Slew =12.01**	4R3	4	0	4,979,033:35:0	
874	**99**	**123**	**11:12:17.466**	**20JNHOTMAP01-**	**NIMPBK**	**301DD**	**JUPITER HOT MAP OBS**	**4R3**	**4**	**0**	**: :**	
875	99	123	11:12:19.466	117DD105A106A4C	**7STRP**	**-0.013401,0.0,0,**	**Slew =,0.03**	4R3	4	0	4,979,033:55:0	
876	**99**	**123**	**11:14:26.133**	**20JNHOTMAP01-**	**NIMPBK**	**301EE**	**JUPITER HOT MAP OBS**	**4R3**	**4**	**0**	**: :**	
877	**99**	**123**	**11:14:48.133**	**20JNHOTMAP01-**	**DESELC**	**300EE**	**JUPITER HOT MAP OBS**	**4R3**	**4**	**0**	**: :**	
878	**99**	**123**	**11:19:20.800**	**20JNHOTMAP01-**	**DESELC**	**300DD**	**JUPITER HOT MAP OBS**	**4R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	99	123	11:19:30.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2606.30 +/-	4R3	4	0	4,979,040	65:0
880	99	123	11:19:30.800	175DD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,979,040	65:0
881	99	123	11:19:30.800	175DD6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,979,040	65:0
882	99	123	11:19:32.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2606.24 +/-	4R3	4	0	4,979,040	66:8
883	99	123	11:19:47.466	165DE4A	**7SCAN**	**NORM,322.014999,**	**Check S/P Position**	4R3	4	0	4,979,040	90:0
884	99	123	11:19:47.466	117DD11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,979,040	90:0
885	**99**	**123**	**11:19:52.134**	**20JNGRWAKE02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
886	**99**	**123**	**11:19:52.134**	**20JNHOTMAP01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
887	99	123	11:21:44.800	125DE	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,979,042	84:0
888	**99**	**123**	**11:21:44.800**	**125DE4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**4,979,042**	**84:0**
889	99	123	11:21:44.800	125DE11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,979,042	84:0
890	99	123	11:23:38.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2606.24 +/-	2R3	4	0	4,979,044	73:0
891	99	123	11:23:38.800	175DE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,044	73:0
892	99	123	11:23:40.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2606.36 +/-	2R3	4	0	4,979,044	75:1
893	99	123	11:23:41.466	117DE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,979,044	77:0
894	99	123	11:23:45.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2607.60 +/-	2R3	4	0	4,979,044	83:0
895	99	123	11:23:46.133	127DE	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,979,044	84:0
896	**99**	**123**	**11:23:46.133**	**127DE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,979,044**	**84:0**
897	99	123	11:23:46.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2607.66 +/-	2R3	4	0	4,979,044	84:8
898	**99**	**123**	**11:23:46.800**	**127DE4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,979,044**	**85:0**
899	99	123	11:23:47.466	175DE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,979,044	86:0
900	99	123	11:23:48.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2607.54 +/-	2R3	4	0	4,979,044	86:9
901	99	123	11:23:48.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2607.54 +/-	2R3	4	0	4,979,044	86:9
902	99	123	11:23:50.800	117DE105A106A4A	**7STRP**	**-0.018002,0.0,0,**	**Slew =,0.03**	2R3	4	0	4,979,045	00:0
903	99	123	11:23:54.800	127DE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,979,045	06:0
904	**99**	**123**	**11:26:26.133**	**20JNGRWAKE02-**	**NIMPBK**	**301DE**	**JUPITER GRA WAKE OBS**	**2R3**	**4**	**0**	**: :**	
905	**99**	**123**	**11:33:33.466**	**20JNGRWAKE02-**	**DESELC**	**300DE**	**JUPITER GRS WAKE OBS**	**2R3**	**4**	**0**	**: :**	
906	99	123	11:33:43.466	175DE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,054	70:0
907	99	123	11:33:43.466	175DE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,979,054	70:0
908	99	123	11:33:43.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2467.99 +/-	2R3	4	0	4,979,054	70:0
909	99	123	11:33:44.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2467.93 +/-	2R3	4	0	4,979,054	71:8
910	99	123	11:33:57.466	117DE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,979,055	00:0
911	**99**	**123**	**11:39:04.800**	**20JNGRWAKE02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
912	99	123	11:45:07.466	488AC6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	4,979,066	04:0
913	**99**	**123**	**11:54:14.800**	**20NNGRWAKE03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
914	**99**	**123**	**11:55:29.466**	**20DF5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**4,979,076**	**27:0**
915	**99**	**123**	**11:55:30.800**	**20DF5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**4,979,076**	**29:0**
916	**99**	**123**	**11:55:32.133**	**20DF6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**4,979,076**	**31:0**
917	**99**	**123**	**11:55:42.133**	**20DF6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**4,979,076**	**46:0**
918	**99**	**123**	**11:55:52.133**	**20DF5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,979,076**	**61:0**
919	**99**	**123**	**11:56:12.133**	**20DF5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,979,077**	**00:0**
920	**99**	**123**	**11:56:27.466**	**20DF4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,979,077**	**23:0**
921	99	123	11:57:12.133	165DF4A	**7SCAN**	**NORM,322.448997,**	**Check S/P Position**	2R0	4	0	4,979,077	90:0
922	**99**	**123**	**11:57:16.800**	**20NNGRWAKE03-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
923	**99**	**123**	**11:57:16.800**	**20JNGRWAKE03-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
924	99	123	11:58:08.800	125DF	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,979,078	84:0
925	**99**	**123**	**11:58:08.800**	**125DF4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**4,979,078**	**84:0**
926	99	123	11:58:08.800	125DF11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,979,078	84:0
927	**99**	**123**	**12:00:10.133**	**127DF4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,979,080**	**84:0**
928	99	123	12:00:10.133	127DF	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,979,080	84:0
929	**99**	**123**	**12:00:10.800**	**127DF4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,979,080**	**85:0**
930	99	123	12:00:18.800	127DF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,979,081	06:0
931	99	123	12:01:03.466	175DF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,081	73:0
932	99	123	12:01:03.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2467.93 +/-	2R3	4	0	4,979,081	73:0
933	99	123	12:01:04.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2468.05 +/-	2R3	4	0	4,979,081	75:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	99	123	12:01:06.133	117DF	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,979,081	77:0
935	99	123	12:01:10.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2469.28 +/-	2R3	4	0	4,979,081	83:0
936	99	123	12:01:11.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2469.34 +/-	2R3	4	0	4,979,081	84:8
937	99	123	12:01:12.133	175DF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,979,081	86:0
938	99	123	12:01:12.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2469.22 +/-	2R3	4	0	4,979,081	86:9
939	99	123	12:01:12.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2469.22 +/-	2R3	4	0	4,979,081	86:9
940	**99**	**123**	**12:01:15.466**	**20JNGRWAKE03-**	**NIMPBK**	**301DF**	**JUPITER GRA WAKE OBS**	**2R3**	**4**	**0**	**: :**	
941	99	123	12:01:15.466	117DF105A106A4A	**7STRP**	**-0.018002,0.0,0,**	**Slew =,0.03**	2R3	4	0	4,979,082	00:0
942	**99**	**123**	**12:02:40.133**	**20JNGRWAKE03-**	**NIMPBK**	**301EF**	**JUPITER GRA WAKE OBS**	**2R3**	**4**	**0**	**: :**	
943	**99**	**123**	**12:04:24.133**	**20JNGRWAKE03-**	**DESELC**	**300EF**	**JUPITER GRS WAKE OBS**	**2R3**	**4**	**0**	**: :**	
944	**99**	**123**	**12:04:42.133**	**20JNGRWAKE03-**	**NIMPBK**	**301EG**	**JUPITER GRA WAKE OBS**	**2R3**	**4**	**0**	**: :**	
945	**99**	**123**	**12:04:56.133**	**20JNGRWAKE03-**	**DESELC**	**300EG**	**JUPITER GRS WAKE OBS**	**2R3**	**4**	**0**	**: :**	
946	**99**	**123**	**12:05:16.133**	**20JNGRWAKE03-**	**NIMPBK**	**301EH**	**JUPITER GRA WAKE OBS**	**2R3**	**4**	**0**	**: :**	
947	**99**	**123**	**12:05:44.133**	**20JNGRWAKE03-**	**DESELC**	**300EH**	**JUPITER GRS WAKE OBS**	**2R3**	**4**	**0**	**: :**	
948	**99**	**123**	**12:06:42.133**	**20JNGRWAKE03-**	**NIMPBK**	**301EI**	**JUPITER GRA WAKE OBS**	**2R3**	**4**	**0**	**: :**	
949	**99**	**123**	**12:07:06.133**	**20JNGRWAKE03-**	**DESELC**	**300EI**	**JUPITER GRS WAKE OBS**	**2R3**	**4**	**0**	**: :**	
950	**99**	**123**	**12:10:58.133**	**20JNGRWAKE03-**	**DESELC**	**300DF**	**JUPITER GRS WAKE OBS**	**2R3**	**4**	**0**	**: :**	
951	99	123	12:11:08.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2329.68 +/-	2R3	4	0	4,979,091	70:0
952	99	123	12:11:08.133	175DF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,979,091	70:0
953	99	123	12:11:08.133	175DF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,091	70:0
954	99	123	12:11:09.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2329.62 +/-	2R3	4	0	4,979,091	71:8
955	99	123	12:11:22.133	117DF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,979,092	00:0
956	**99**	**123**	**12:12:26.800**	**20JNGRWAKE03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
957	99	123	12:17:07.466	488AD6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,979,097	63:0
958	**99**	**123**	**12:30:38.800**	**20NNHOTMAP02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
959	**99**	**123**	**12:31:53.466**	**20DG5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**4,979,112**	**27:0**
960	**99**	**123**	**12:31:54.800**	**20DG5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**4,979,112**	**29:0**
961	**99**	**123**	**12:31:56.133**	**20DG6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**4,979,112**	**31:0**
962	**99**	**123**	**12:32:06.133**	**20DG6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**4,979,112**	**46:0**
963	**99**	**123**	**12:32:16.133**	**20DG5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,979,112**	**61:0**
964	**99**	**123**	**12:32:36.133**	**20DG5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,979,113**	**00:0**
965	**99**	**123**	**12:32:51.466**	**20DG4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,979,113**	**23:0**
966	**99**	**123**	**12:33:40.800**	**20NNHOTMAP02-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
967	99	123	12:35:37.466	165DG4A	**7SCAN**	**NORM,328.247997,**	**Check S/P Position**	2R0	4	0	4,979,115	90:0
968	**99**	**123**	**12:35:42.134**	**20JNHOTMAP02-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
969	99	123	12:36:34.133	125DG	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,979,116	84:0
970	**99**	**123**	**12:36:34.133**	**125DG4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**4,979,116**	**84:0**
971	99	123	12:36:34.133	125DG11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,979,116	84:0
972	99	123	12:38:35.466	127DG	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	4,979,118	84:0
973	**99**	**123**	**12:38:35.466**	**127DG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,979,118**	**84:0**
974	**99**	**123**	**12:38:36.133**	**127DG4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,979,118**	**85:0**
975	99	123	12:38:44.133	127DG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,979,119	06:0
976	99	123	12:39:28.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2329.62 +/-	2R3	4	0	4,979,119	73:0
977	99	123	12:39:28.800	175DG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,119	73:0
978	99	123	12:39:30.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2329.74 +/-	2R3	4	0	4,979,119	75:1
979	99	123	12:39:31.466	117DG	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,979,119	77:0
980	99	123	12:39:35.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2330.97 +/-	2R3	4	0	4,979,119	83:0
981	99	123	12:39:36.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2331.03 +/-	2R3	4	0	4,979,119	84:8
982	99	123	12:39:37.466	175DG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,979,119	86:0
983	99	123	12:39:38.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2330.91 +/-	2R3	4	0	4,979,119	86:9
984	99	123	12:39:38.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2330.91 +/-	2R3	4	0	4,979,119	86:9
985	99	123	12:39:40.800	117DG105A106A4A	**7STRP**	**-0.013401,0.0,0,**	**Slew =,0.03**	2R3	4	0	4,979,120	00:0
986	99	123	12:47:08.800	117DG105A106A4B	**7STRP**	**0.026506,-0.006,**	**Slew =12.01**	2R3	4	0	4,979,127	35:0
987	**99**	**123**	**12:47:20.133**	**20JNHOTMAP02-**	**NIMPBK**	**301DG**	**JUPITER HOT MAP OBS**	**2R3**	**4**	**0**	**: :**	
988	99	123	12:47:22.133	117DG105A106A4C	**7STRP**	**-0.013401,0.0,0,**	**Slew =,0.03**	2R3	4	0	4,979,127	55:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	**99**	**123**	**12:54:23.466**	**20JNHOTMAP02-**	**DESELC**	**300DG**	**JUPITER HOT MAP OBS**	**2R3**	**4**	**0**	**: :**	
990	99	123	12:54:33.466	175DG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,979,134:65:0	
991	99	123	12:54:33.466	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,134:65:0	
992	99	123	12:54:33.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2121.05 +/-	2R3	4	0	4,979,134:65:0	
993	99	123	12:54:34.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2120.99 +/-	2R3	4	0	4,979,134:66:8	
994	99	123	12:54:50.133	117DG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,979,134:90:0	
995	**99**	**123**	**12:54:54.800**	**20JNHOTMAP02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
996	99	123	12:55:50.800	165GE4A	7SCAN	NORM,330.911999,	Check S/P Position	2R3	4	0	4,979,135:90:0	
997	99	123	12:58:53.466	176GE6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,979,139:00:0	
998	99	123	12:59:44.800	117GE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,979,139:77:0	
999	99	123	12:59:54.133	117GE105A106A4A	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,140:00:0	
1000	99	123	13:03:25.466	117GE105A106A4B	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,143:44:0	
1001	99	123	13:03:39.466	117GE105A106A4C	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,143:65:0	
1002	99	123	13:07:10.800	117GE105A106A4D	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,147:18:0	
1003	99	123	13:07:24.800	117GE105A106A4E	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,147:39:0	
1004	99	123	13:08:19.466	488AD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	4,979,148:30:0	
1005	99	123	13:10:56.133	117GE105A106A4F	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,150:83:0	
1006	99	123	13:11:10.133	117GE105A106A4G	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,151:13:0	
1007	99	123	13:12:47.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,152:68:0	
1008	99	123	13:12:47.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2120.99 +/-	2R3	4	0	4,979,152:68:0	
1009	99	123	13:12:48.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2121.11 +/-	2R3	4	0	4,979,152:70:1	
1010	99	123	13:12:54.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2122.35 +/-	2R3	4	0	4,979,152:78:0	
1011	99	123	13:12:55.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2122.41 +/-	2R3	4	0	4,979,152:79:8	
1012	99	123	13:12:56.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2122.29 +/-	2R3	4	0	4,979,152:81:9	
1013	99	123	13:13:15.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2117.90 +/-	2R3	4	0	4,979,153:19:0	
1014	99	123	13:13:38.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,153:53:0	
1015	99	123	13:13:38.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2112.58 +/-	2R3	4	0	4,979,153:53:0	
1016	99	123	13:13:39.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2112.52 +/-	2R3	4	0	4,979,153:54:8	
1017	99	123	13:14:41.466	117GE105A106A4H	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,154:57:0	
1018	99	123	13:14:55.466	117GE105A106A4I	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,154:78:0	
1019	99	123	13:18:26.800	117GE105A106A4J	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,158:31:0	
1020	99	123	13:18:40.800	117GE105A106A4K	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,158:52:0	
1021	99	123	13:22:12.133	117GE105A106A4L	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,162:05:0	
1022	99	123	13:22:26.133	117GE105A106A4M	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,162:26:0	
1023	99	123	13:25:57.466	117GE105A106A4N	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,165:70:0	
1024	99	123	13:26:11.466	117GE105A106A4O	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,166:00:0	
1025	99	123	13:27:11.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2112.52 +/-	2R3	4	0	4,979,166:90:0	
1026	99	123	13:27:11.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,166:90:0	
1027	99	123	13:27:12.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2112.64 +/-	2R3	4	0	4,979,167:01:1	
1028	99	123	13:27:18.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2113.88 +/-	2R3	4	0	4,979,167:09:0	
1029	99	123	13:27:19.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2113.94 +/-	2R3	4	0	4,979,167:10:8	
1030	99	123	13:27:20.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2113.82 +/-	2R3	4	0	4,979,167:12:9	
1031	99	123	13:27:39.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2109.43 +/-	2R3	4	0	4,979,167:41:0	
1032	99	123	13:28:02.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2104.11 +/-	2R3	4	0	4,979,167:75:0	
1033	99	123	13:28:02.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,167:75:0	
1034	99	123	13:28:03.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2104.05 +/-	2R3	4	0	4,979,167:76:8	
1035	99	123	13:29:42.800	117GE105A106A4P	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,169:44:0	
1036	99	123	13:29:56.800	117GE105A106A4Q	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,169:65:0	
1037	99	123	13:30:21.466	488AD6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	4,979,170:11:0	
1038	99	123	13:33:28.133	117GE105A106A4R	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,173:18:0	
1039	99	123	13:33:42.133	117GE105A106A4S	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,173:39:0	
1040	99	123	13:37:13.466	117GE105A106A4T	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,176:83:0	
1041	99	123	13:37:27.466	117GE105A106A4U	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,177:13:0	
1042	99	123	13:40:58.800	117GE105A106A4V	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,180:57:0	
1043	99	123	13:41:12.800	117GE105A106A4W	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,180:78:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	99	123	13:41:36.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2104.05 +/-	2R3	4	0	4,979,181	22:0
1045	99	123	13:41:36.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,181	22:0
1046	99	123	13:41:37.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2104.17 +/-	2R3	4	0	4,979,181	24:1
1047	99	123	13:41:42.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2105.41 +/-	2R3	4	0	4,979,181	32:0
1048	99	123	13:41:44.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2105.47 +/-	2R3	4	0	4,979,181	33:8
1049	99	123	13:41:45.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2105.35 +/-	2R3	4	0	4,979,181	35:9
1050	99	123	13:42:04.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2100.96 +/-	2R3	4	0	4,979,181	64:0
1051	99	123	13:42:26.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2095.65 +/-	2R3	4	0	4,979,182	07:0
1052	99	123	13:42:26.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,182	07:0
1053	99	123	13:42:28.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2095.59 +/-	2R3	4	0	4,979,182	08:8
1054	99	123	13:44:44.133	117GE105A106A4X	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,184	31:0
1055	99	123	13:44:58.133	117GE105A106A4Y	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,184	52:0
1056	99	123	13:48:29.466	117GE105A106A4Z	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,188	05:0
1057	99	123	13:48:43.466	117GE105A106A4AA	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,188	26:0
1058	99	123	13:52:14.800	117GE105A106A4AB	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,191	70:0
1059	99	123	13:52:28.800	117GE105A106A4AC	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,192	00:0
1060	99	123	13:56:00.133	117GE105A106A4AD	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,195	44:0
1061	99	123	13:56:00.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,195	45:0
1062	99	123	13:56:00.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2095.59 +/-	2R3	4	0	4,979,195	45:0
1063	99	123	13:56:02.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2095.71 +/-	2R3	4	0	4,979,195	47:1
1064	99	123	13:56:07.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2096.94 +/-	2R3	4	0	4,979,195	55:0
1065	99	123	13:56:08.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2097.00 +/-	2R3	4	0	4,979,195	56:8
1066	99	123	13:56:10.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2096.88 +/-	2R3	4	0	4,979,195	58:9
1067	99	123	13:56:14.133	117GE105A106A4AE	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,195	65:0
1068	99	123	13:56:28.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2092.49 +/-	2R3	4	0	4,979,195	87:0
1069	99	123	13:56:51.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,196	30:0
1070	99	123	13:56:51.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2087.18 +/-	2R3	4	0	4,979,196	30:0
1071	99	123	13:56:52.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2087.12 +/-	2R3	4	0	4,979,196	31:8
1072	99	123	13:59:45.466	117GE105A106A4AF	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,199	18:0
1073	99	123	13:59:59.466	117GE105A106A4AG	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,199	39:0
1074	99	123	14:03:30.800	117GE105A106A4AH	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,202	83:0
1075	99	123	14:03:44.800	117GE105A106A4AI	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,203	13:0
1076	99	123	14:04:00.133	488AD6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	4,979,203	36:0
1077	99	123	14:07:16.133	117GE105A106A4AJ	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,206	57:0
1078	99	123	14:07:30.133	117GE105A106A4AK	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,206	78:0
1079	99	123	14:10:25.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,209	68:0
1080	99	123	14:10:25.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2087.12 +/-	2R3	4	0	4,979,209	68:0
1081	99	123	14:10:26.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2087.24 +/-	2R3	4	0	4,979,209	70:1
1082	99	123	14:10:32.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2088.47 +/-	2R3	4	0	4,979,209	78:0
1083	99	123	14:10:33.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2088.53 +/-	2R3	4	0	4,979,209	79:8
1084	99	123	14:10:34.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2088.41 +/-	2R3	4	0	4,979,209	81:9
1085	99	123	14:10:53.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2084.02 +/-	2R3	4	0	4,979,210	19:0
1086	99	123	14:11:01.466	117GE105A106A4AL	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,210	31:0
1087	99	123	14:11:15.466	117GE105A106A4AM	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,210	52:0
1088	99	123	14:11:16.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2078.71 +/-	2R3	4	0	4,979,210	53:0
1089	99	123	14:11:16.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,210	53:0
1090	99	123	14:11:17.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2078.65 +/-	2R3	4	0	4,979,210	54:8
1091	99	123	14:14:46.800	117GE105A106A4AN	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,214	05:0
1092	99	123	14:15:00.800	117GE105A106A4AO	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,214	26:0
1093	99	123	14:18:32.133	117GE105A106A4AP	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,217	70:0
1094	99	123	14:18:46.133	117GE105A106A4AQ	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,218	00:0
1095	99	123	14:22:17.466	117GE105A106A4AR	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,221	44:0
1096	99	123	14:22:31.466	117GE105A106A4AS	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,221	65:0
1097	99	123	14:24:50.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2078.65 +/-	2R3	4	0	4,979,224	00:0
1098	99	123	14:24:50.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,224	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	99	123	14:24:51.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2078.77 +/-	2R3	4	0	4,979,224	02:1
1100	99	123	14:24:56.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2080.00 +/-	2R3	4	0	4,979,224	10:0
1101	99	123	14:24:58.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2080.06 +/-	2R3	4	0	4,979,224	11:8
1102	99	123	14:24:59.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2079.94 +/-	2R3	4	0	4,979,224	13:9
1103	99	123	14:25:18.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2075.55 +/-	2R3	4	0	4,979,224	42:0
1104	99	123	14:25:40.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2070.24 +/-	2R3	4	0	4,979,224	76:0
1105	99	123	14:25:40.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,224	76:0
1106	99	123	14:25:42.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2070.18 +/-	2R3	4	0	4,979,224	77:8
1107	99	123	14:26:02.800	117GE105A106A4AT	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,225	18:0
1108	99	123	14:26:16.800	117GE105A106A4AU	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,225	39:0
1109	99	123	14:29:48.133	117GE105A106A4AV	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,228	83:0
1110	99	123	14:30:02.133	117GE105A106A4AW	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,229	13:0
1111	99	123	14:33:33.466	117GE105A106A4AX	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,232	57:0
1112	99	123	14:33:47.466	117GE105A106A4AY	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,232	78:0
1113	99	123	14:37:18.800	117GE105A106A4AZ	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,236	31:0
1114	99	123	14:37:32.800	117GE105A106A4BA	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,236	52:0
1115	99	123	14:39:14.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,238	22:0
1116	99	123	14:39:14.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2070.18 +/-	2R3	4	0	4,979,238	22:0
1117	99	123	14:39:15.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2070.30 +/-	2R3	4	0	4,979,238	24:1
1118	99	123	14:39:20.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2071.53 +/-	2R3	4	0	4,979,238	32:0
1119	99	123	14:39:22.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2071.59 +/-	2R3	4	0	4,979,238	33:8
1120	99	123	14:39:23.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2071.47 +/-	2R3	4	0	4,979,238	35:9
1121	99	123	14:39:42.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2067.08 +/-	2R3	4	0	4,979,238	64:0
1122	99	123	14:40:04.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,239	07:0
1123	99	123	14:40:04.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2061.77 +/-	2R3	4	0	4,979,239	07:0
1124	99	123	14:40:06.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2061.71 +/-	2R3	4	0	4,979,239	08:8
1125	99	123	14:41:04.133	117GE105A106A4BB	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,240	05:0
1126	99	123	14:41:18.133	117GE105A106A4BC	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,240	26:0
1127	99	123	14:44:49.466	117GE105A106A4BD	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,243	70:0
1128	99	123	14:45:03.466	117GE105A106A4BE	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,244	00:0
1129	99	123	14:48:34.800	117GE105A106A4BF	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,247	44:0
1130	99	123	14:48:48.800	117GE105A106A4BG	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,247	65:0
1131	99	123	14:52:20.133	117GE105A106A4BH	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,251	18:0
1132	99	123	14:52:34.133	117GE105A106A4BI	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,251	39:0
1133	99	123	14:53:38.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,252	45:0
1134	99	123	14:53:38.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2061.71 +/-	2R3	4	0	4,979,252	45:0
1135	99	123	14:53:40.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2061.83 +/-	2R3	4	0	4,979,252	47:1
1136	99	123	14:53:45.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2063.06 +/-	2R3	4	0	4,979,252	55:0
1137	99	123	14:53:46.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2063.12 +/-	2R3	4	0	4,979,252	56:8
1138	99	123	14:53:48.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2063.00 +/-	2R3	4	0	4,979,252	58:9
1139	99	123	14:54:06.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2058.61 +/-	2R3	4	0	4,979,252	87:0
1140	99	123	14:54:29.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,253	30:0
1141	99	123	14:54:29.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2053.30 +/-	2R3	4	0	4,979,253	30:0
1142	99	123	14:54:30.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2053.24 +/-	2R3	4	0	4,979,253	31:8
1143	99	123	14:56:05.466	117GE105A106A4BJ	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,254	83:0
1144	99	123	14:56:19.466	117GE105A106A4BK	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,255	13:0
1145	99	123	14:59:50.800	117GE105A106A4BL	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,258	57:0
1146	99	123	15:00:04.800	117GE105A106A4BM	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,258	78:0
1147	99	123	15:03:36.133	117GE105A106A4BN	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,262	31:0
1148	99	123	15:03:50.133	117GE105A106A4BO	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,262	52:0
1149	99	123	15:07:21.466	117GE105A106A4BP	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,266	05:0
1150	99	123	15:07:35.466	117GE105A106A4BQ	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,266	26:0
1151	99	123	15:08:03.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2053.24 +/-	2R3	4	0	4,979,266	68:0
1152	99	123	15:08:03.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,266	68:0
1153	99	123	15:08:04.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2053.36 +/-	2R3	4	0	4,979,266	70:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	99	123	15:08:10.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2054.60 +/-	2R3	4	0	4,979,266	78:0
1155	99	123	15:08:11.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2054.66 +/-	2R3	4	0	4,979,266	79:8
1156	99	123	15:08:12.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2054.54 +/-	2R3	4	0	4,979,266	81:9
1157	99	123	15:08:31.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2050.15 +/-	2R3	4	0	4,979,267	19:0
1158	99	123	15:08:54.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2044.83 +/-	2R3	4	0	4,979,267	53:0
1159	99	123	15:08:54.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,267	53:0
1160	99	123	15:08:55.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2044.77 +/-	2R3	4	0	4,979,267	54:8
1161	99	123	15:11:06.800	117GE105A106A4BR	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,269	70:0
1162	99	123	15:11:20.800	117GE105A106A4BS	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,270	00:0
1163	99	123	15:14:52.133	117GE105A106A4BT	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,273	44:0
1164	99	123	15:15:06.133	117GE105A106A4BU	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,273	65:0
1165	99	123	15:18:37.466	117GE105A106A4BV	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,277	18:0
1166	99	123	15:18:51.466	117GE105A106A4BW	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,277	39:0
1167	99	123	15:22:22.800	117GE105A106A4BX	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,280	83:0
1168	99	123	15:22:28.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,281	00:0
1169	99	123	15:22:28.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2044.77 +/-	2R3	4	0	4,979,281	00:0
1170	99	123	15:22:29.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2044.89 +/-	2R3	4	0	4,979,281	02:1
1171	99	123	15:22:34.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2046.13 +/-	2R3	4	0	4,979,281	10:0
1172	99	123	15:22:36.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2046.19 +/-	2R3	4	0	4,979,281	11:8
1173	99	123	15:22:36.800	117GE105A106A4BY	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,281	13:0
1174	99	123	15:22:37.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2046.07 +/-	2R3	4	0	4,979,281	13:9
1175	99	123	15:22:56.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2041.68 +/-	2R3	4	0	4,979,281	42:0
1176	99	123	15:23:18.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2036.36 +/-	2R3	4	0	4,979,281	76:0
1177	99	123	15:23:18.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,281	76:0
1178	99	123	15:23:20.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2036.30 +/-	2R3	4	0	4,979,281	77:8
1179	99	123	15:26:08.133	117GE105A106A4BZ	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,284	57:0
1180	99	123	15:26:22.133	117GE105A106A4CA	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,284	78:0
1181	99	123	15:29:53.466	117GE105A106A4CB	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,288	31:0
1182	99	123	15:30:07.466	117GE105A106A4CC	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,288	52:0
1183	99	123	15:33:38.800	117GE105A106A4CD	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,292	05:0
1184	99	123	15:33:52.800	117GE105A106A4CE	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,292	26:0
1185	99	123	15:36:52.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,295	23:0
1186	99	123	15:36:52.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2036.30 +/-	2R3	4	0	4,979,295	23:0
1187	99	123	15:36:54.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2036.42 +/-	2R3	4	0	4,979,295	25:1
1188	99	123	15:36:59.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2037.66 +/-	2R3	4	0	4,979,295	33:0
1189	99	123	15:37:00.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2037.72 +/-	2R3	4	0	4,979,295	34:8
1190	99	123	15:37:02.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2037.60 +/-	2R3	4	0	4,979,295	36:9
1191	99	123	15:37:20.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2033.21 +/-	2R3	4	0	4,979,295	65:0
1192	99	123	15:37:24.133	117GE105A106A4CF	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,295	70:0
1193	99	123	15:37:38.133	117GE105A106A4CG	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,296	00:0
1194	99	123	15:37:43.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2027.90 +/-	2R3	4	0	4,979,296	08:0
1195	99	123	15:37:43.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,296	08:0
1196	99	123	15:37:44.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2027.84 +/-	2R3	4	0	4,979,296	09:8
1197	99	123	15:41:09.466	117GE105A106A4CH	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,299	44:0
1198	99	123	15:41:23.466	117GE105A106A4CI	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,299	65:0
1199	99	123	15:44:54.800	117GE105A106A4CJ	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,303	18:0
1200	99	123	15:45:08.800	117GE105A106A4CK	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,303	39:0
1201	99	123	15:48:40.133	117GE105A106A4CL	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,306	83:0
1202	99	123	15:48:54.133	117GE105A106A4CM	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,307	13:0
1203	99	123	15:51:16.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2027.84 +/-	2R3	4	0	4,979,309	45:0
1204	99	123	15:51:16.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,309	45:0
1205	99	123	15:51:18.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2027.96 +/-	2R3	4	0	4,979,309	47:1
1206	99	123	15:51:23.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2029.19 +/-	2R3	4	0	4,979,309	55:0
1207	99	123	15:51:24.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2029.25 +/-	2R3	4	0	4,979,309	56:8
1208	99	123	15:51:26.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2029.13 +/-	2R3	4	0	4,979,309	58:9

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	99	123	15:51:44.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2024.74 +/-	2R3	4	0	4,979,309	87:0
1210	99	123	15:52:07.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,310	30:0
1211	99	123	15:52:07.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2019.43 +/-	2R3	4	0	4,979,310	30:0
1212	99	123	15:52:08.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2019.37 +/-	2R3	4	0	4,979,310	31:8
1213	99	123	15:52:25.466	117GE105A106A4CN	7STRP	-0.00075,0.05062	Slew =12.01	2R3	4	0	4,979,310	57:0
1214	99	123	15:52:39.466	117GE105A106A4CO	7STRP	0.005,-0.050072,	Slew =,0.41	2R3	4	0	4,979,310	78:0
1215	99	123	15:56:10.800	117GE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,979,314	31:0
1216	99	123	15:57:20.800	176GE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,979,315	45:0
1217	99	123	15:57:22.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2019.37 +/-	2R3	4	0	4,979,315	48:0
1218	99	123	15:57:22.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,979,315	48:0
1219	99	123	15:57:24.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2019.49 +/-	2R3	4	0	4,979,315	50:1
1220	99	123	15:57:29.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2020.72 +/-	2R3	4	0	4,979,315	58:0
1221	99	123	15:57:30.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2020.78 +/-	2R3	4	0	4,979,315	59:8
1222	99	123	15:57:32.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2020.66 +/-	2R3	4	0	4,979,315	61:9
1223	99	123	15:57:32.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2020.49 +/-	2R3	4	0	4,979,315	63:0
1224	99	123	15:57:46.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,315	84:0
1225	99	123	15:57:46.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2017.21 +/-	2R3	4	0	4,979,315	84:0
1226	99	123	15:57:48.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2017.15 +/-	2R3	4	0	4,979,315	85:8
1227	99	123	15:58:00.133	444UB443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	2R3	4	0	4,979,316	13:0
1228	99	123	15:59:41.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2017.15 +/-	2R3	4	0	4,979,317	74:0
1229	99	123	15:59:41.466	175NA422A6A	6DMSC	R7,2	DMS Control	2R3	4	0	4,979,317	74:0
1230	99	123	15:59:42.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2017.27 +/-	2R3	4	0	4,979,317	76:1
1231	99	123	15:59:48.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2018.50 +/-	2R3	4	0	4,979,317	84:0
1232	99	123	15:59:49.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2018.56 +/-	2R3	4	0	4,979,317	85:8
1233	99	123	15:59:50.133	175NA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,979,317	87:0
1234	99	123	15:59:50.133	282NA431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	2R3	4	0	4,979,317	87:0
1235	99	123	15:59:50.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2018.44 +/-	2R3	4	0	4,979,317	87:9
1236	99	123	15:59:50.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2018.44 +/-	2R3	4	0	4,979,317	87:9
1237	99	123	15:59:52.800	431MA6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2R3	4	0	4,979,318	00:0
1238	99	123	18:01:14.800	432OA431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	4,979,438	03:0
1239	99	123	18:01:15.466	432OA6A	6RTSL1		R/T Select of DDS and	2R3	4	0	4,979,438	04:0
1240	99	123	18:01:18.800	282NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	4,979,438	09:0
1241	99	123	18:01:24.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 308.90 +/-	2R3	4	0	4,979,438	18:0
1242	99	123	18:01:24.800	175NA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,979,438	18:0
1243	99	123	18:01:26.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 308.84 +/-	2R3	4	0	4,979,438	19:8
1244	99	123	18:02:07.466	282NB432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	4,979,438	82:0
1245	99	123	18:02:08.133	282NB432A6A	6RTSL1		R/T Select of DDS and	2R3	4	0	4,979,438	83:0
1246	99	123	18:53:55.466	488AE6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,979,490	12:0
1247	99	123	19:32:19.466	488AE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	4,979,528	10:0
1248	99	123	22:09:56.133	165UD4A	7SCAN	NORM,23.803,11.7	Check S/P Position	2R3	4	0	4,979,683	90:0
1249	99	123	22:39:00.133	444UC443A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2R3	4	0	4,979,712	67:0
1250	**99**	**123**	**22:57:32.133**	**20NNJUPRTS03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1251	**99**	**123**	**22:57:38.800**	**20DJ5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**4,979,731**	**16:0**
1252	**99**	**123**	**22:57:42.133**	**20DJ5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**4,979,731**	**21:0**
1253	**99**	**123**	**22:57:52.133**	**20DJ6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**4,979,731**	**36:0**
1254	**99**	**123**	**22:58:02.133**	**20DJ6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**4,979,731**	**51:0**
1255	**99**	**123**	**22:58:12.133**	**20DJ5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,979,731**	**66:0**
1256	**99**	**123**	**22:58:15.466**	**20DJ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,979,731**	**71:0**
1257	**99**	**123**	**22:58:21.466**	**20DJ4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,979,731**	**80:0**
1258	99	123	22:59:24.800	125DJ	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,979,732	84:0
1259	**99**	**123**	**22:59:24.800**	**125DJ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**4,979,732**	**84:0**
1260	**99**	**123**	**22:59:33.466**	**20NNJUPRTS03-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
1261	**99**	**123**	**23:00:25.466**	**125DJ4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**4,979,733**	**84:0**
1262	99	123	23:00:25.466	125DJ11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,979,733	84:0
1263	99	123	23:00:29.466	165DJ4A	**7SCAN**	**NORM,23.804,11.7**	**Check S/P Position**	2R0	4	0	4,979,733	90:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	**99**	**123**	**23:00:34.133**	**20JNJUPRTS03***		**-----START------**		**2R0**	**4**	**0**	**: :**	
1265	**99**	**123**	**23:02:26.800**	**127DJ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,979,735:84:0**	
1266	99	123	23:02:26.800	127DJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,979,735:84:0	
1267	**99**	**123**	**23:02:27.466**	**127DJ4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,979,735:85:0**	
1268	99	123	23:02:35.466	127DJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,979,736:06:0	
1269	99	123	23:04:23.466	117DJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,979,737:77:0	
1270	99	123	23:04:32.800	117DJ105A106A4A	**7STRP**	**0.018002,0.0,0,0**	**Slew =,0.03**	2R3	4	0	4,979,738:00:0	
1271	**99**	**123**	**23:04:36.800**	**432DJ6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**4,979,738:06:0**	
1272	99	123	23:14:39.466	117DJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,979,748:00:0	
1273	**99**	**123**	**23:14:42.133**	**432DZ6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**4,979,748:04:0**	
1274	**99**	**123**	**23:14:43.466**	**20JNJUPRTS03***		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1275	99	124	03:49:23.400	488AF6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,980,019:65:0	
1276	99	124	04:18:58.066	488AF6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,980,048:88:0	
1277	99	124	04:25:39.400	488AF6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	4,980,055:53:0	
1278	99	124	04:47:04.066	488AF6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	4,980,076:69:0	
1279	99	124	05:57:23.400	488AF6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,980,146:28:0	
1280	99	124	06:03:13.400	488AG6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,980,152:07:0	
1281	99	124	06:40:17.400	488AG6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,980,188:67:0	
1282	99	124	07:45:24.066	20MC6A	6CKSUM	MAG,4040,46F0		2R3	4	0	4,980,253:12:0	
1283	99	124	07:46:20.733	480MB6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	2R3	4	0	4,980,254:06:0	
1284	99	124	07:46:20.733	480MB6	6MROH	12	read from LLM1A12,2282,0,A2	2R3	4	0	4,980,254:06:0	
1285	99	124	11:28:43.400	192GB4A	**7CONE**	**9.0,0.0**	Check S/P Position	2R3	4	0	4,980,474:00:0	
1286	99	124	11:35:48.066	176GF6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,980,481:00:0	
1287	99	124	11:38:02.733	176GF6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,980,483:20:0	
1288	99	124	11:38:04.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 308.84 +/-	2R3	4	0	4,980,483:23:0	
1289	99	124	11:38:04.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,980,483:23:0	
1290	99	124	11:38:06.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 308.96 +/-	2R3	4	0	4,980,483:25:1	
1291	99	124	11:38:11.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 310.19 +/-	2R3	4	0	4,980,483:33:0	
1292	99	124	11:38:12.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 310.25 +/-	2R3	4	0	4,980,483:34:8	
1293	99	124	11:38:14.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC * 310.13 +/-	2R3	4	0	4,980,483:36:9	
1294	99	124	11:38:14.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 309.96 +/-	2R3	4	0	4,980,483:38:0	
1295	99	124	11:38:26.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,483:55:0	
1296	99	124	11:38:26.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 307.30 +/-	2R3	4	0	4,980,483:55:0	
1297	99	124	11:38:27.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 307.24 +/-	2R3	4	0	4,980,483:56:8	
1298	99	124	11:46:00.733	488AG6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,980,491:09:0	
1299	99	124	11:53:53.400	465KA6A	6DTRN	CMD,6DTRN,465KA6	DMS TRACK TURNAROUND	2R3	4	0	4,980,498:81:0	
1300	99	124	11:53:53.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 307.24 +/-	2R3	4	0	4,980,498:81:0	
1301	99	124	11:53:53.400		DMS:	: *DMS-TURN	P7, TRACK 2, REV, TIC 307.24 +/-	2R3	4	0	4,980,498:81:0	
1302	99	124	11:53:54.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 307.36 +/-	2R3	4	0	4,980,498:83:1	
1303	99	124	11:54:00.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 308.60 +/-	2R3	4	0	4,980,499:00:0	
1304	99	124	11:54:01.266		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC * 308.66 +/-	2R3	4	0	4,980,499:01:8	
1305	99	124	11:54:02.666		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC * 308.54 +/-	2R3	4	0	4,980,499:03:9	
1306	99	124	12:01:46.266		DMS:	: *REVERSE	P7, TRACK 2, REV, TIC * 199.87 +/-	2R3	4	0	4,980,506:62:3	
1307	99	124	12:01:47.466		DMS:	: *TURNARND	P7, TRACK *3, *FWD, TIC * 199.81 +/-	2R3	4	0	4,980,506:64:1	
1308	99	124	12:01:47.466		DMS:	: *RUNUP	P7, TRACK 3, FWD, TIC 199.81 +/-	2R3	4	0	4,980,506:64:1	
1309	99	124	12:01:48.866		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC * 199.93 +/-	2R3	4	0	4,980,506:66:2	
1310	99	124	12:02:00.866		DMS:	: *AUTOSTOP	P7, TRACK 3, FWD, TIC * 202.06 +/-	2R3	4	0	4,980,506:84:2	
1311	99	124	12:02:02.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 202.12 +/-	2R3	4	0	4,980,506:86:0	
1312	99	124	12:09:02.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 202.12 +/-	2R3	4	0	4,980,513:79:0	
1313	99	124	12:09:02.066	465KB6A	6DMSC	P7,3	DMS Control Tape P/B 7.68kbps	2R3	4	0	4,980,513:79:0	
1314	99	124	12:09:08.733		DMS:	: *RUNUP	P7, TRACK *3, FWD, TIC 202.12 +/-	2R3	4	0	4,980,513:89:0	
1315	99	124	12:09:10.133		DMS:	: *P_SLEW	P7, TRACK 3, FWD, TIC * 202.24 +/-	2R3	4	0	4,980,514:00:1	
1316	99	124	12:09:10.133		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC 202.24 +/-	2R3	4	0	4,980,514:00:1	
1317	99	124	12:12:12.066		DMS:	**: *RUNDOWN**	P7, TRACK 3, FWD, TIC * 244.88 +/-	2R3	4	0	4,980,517:00:0	
1318	99	124	12:12:12.066	465KB6B	6DMSC	RDY,3	DMS Control Tape stop	2R3	4	0	4,980,517:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	99	124	12:12:13.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 244.94 +/-	2R3	4	0	4,980,517	01:8
1320	99	124	12:34:26.066	165AA4A	7SCAN	NORM,63.54,23.35	Check S/P Position	2R3	4	0	4,980,538	90:0
1321	99	124	12:46:18.733	165KW4A	7SCAN	NORM,69.813,24.2	Check S/P Position	2R3	4	0	4,980,550	67:0
1322	99	124	12:47:11.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 244.94 +/-	2R3	4	0	4,980,551	55:0
1323	99	124	12:47:11.400	175KW422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,551	55:0
1324	99	124	12:47:18.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 244.94 +/-	2R3	4	0	4,980,551	65:0
1325	99	124	12:47:21.400	175KW176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,551	70:0
1326	99	124	12:47:22.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 251.24 +/-	2R3	4	0	4,980,551	71:0
1327	99	124	12:47:22.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 251.24 +/-	2R3	4	0	4,980,551	71:0
1328	99	124	12:47:27.400	165AB4A	7SCAN	NORM,63.904,23.4	Check S/P Position	2R3	4	0	4,980,551	79:0
1329	99	124	12:47:35.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 298.12 +/-	2R3	4	0	4,980,552	00:0
1330	99	124	12:47:35.400	175KW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,552	00:0
1331	99	124	12:47:36.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 299.12 +/-	2R3	4	0	4,980,552	01:8
1332	99	124	12:48:04.733	488AH6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,980,552	44:0
1333	99	124	12:57:46.733	165KX4A	7SCAN	NORM,70.238999,2	Check S/P Position	2R3	4	0	4,980,562	07:0
1334	99	124	12:58:18.733	175KX422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,562	55:0
1335	99	124	12:58:18.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 299.12 +/-	2R3	4	0	4,980,562	55:0
1336	99	124	12:58:25.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 299.12 +/-	2R3	4	0	4,980,562	65:0
1337	99	124	12:58:28.733	175KX176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,562	70:0
1338	99	124	12:58:29.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 305.42 +/-	2R3	4	0	4,980,562	71:0
1339	99	124	12:58:29.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 305.42 +/-	2R3	4	0	4,980,562	71:0
1340	99	124	12:58:34.733	165AC4A	7SCAN	NORM,64.334,23.4	Check S/P Position	2R3	4	0	4,980,562	79:0
1341	99	124	12:58:42.733	175KX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,563	00:0
1342	99	124	12:58:42.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 352.29 +/-	2R3	4	0	4,980,563	00:0
1343	99	124	12:58:43.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 353.29 +/-	2R3	4	0	4,980,563	01:8
1344	99	124	13:01:49.400	165LW4A	7SCAN	NORM,69.863,24.2	Check S/P Position	2R3	4	0	4,980,566	07:0
1345	99	124	13:02:21.400	175LW422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,566	55:0
1346	99	124	13:02:21.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 353.29 +/-	2R3	4	0	4,980,566	55:0
1347	99	124	13:02:28.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 353.29 +/-	2R3	4	0	4,980,566	65:0
1348	99	124	13:02:31.400	175LW176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,566	70:0
1349	99	124	13:02:32.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 359.59 +/-	2R3	4	0	4,980,566	71:0
1350	99	124	13:02:32.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 359.59 +/-	2R3	4	0	4,980,566	71:0
1351	99	124	13:02:37.400	165AD4A	7SCAN	NORM,64.488999,2	Check S/P Position	2R3	4	0	4,980,566	79:0
1352	99	124	13:02:45.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 406.47 +/-	2R3	4	0	4,980,567	00:0
1353	99	124	13:02:45.400	175LW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,567	00:0
1354	99	124	13:02:46.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 407.47 +/-	2R3	4	0	4,980,567	01:8
1355	99	124	13:08:54.066	165KY4A	7SCAN	NORM,70.655999,2	Check S/P Position	2R3	4	0	4,980,573	07:0
1356	99	124	13:09:26.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 407.47 +/-	2R3	4	0	4,980,573	55:0
1357	99	124	13:09:26.066	175KY422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,573	55:0
1358	99	124	13:09:32.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 407.47 +/-	2R3	4	0	4,980,573	65:0
1359	99	124	13:09:36.066	175KY176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,573	70:0
1360	99	124	13:09:36.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 413.77 +/-	2R3	4	0	4,980,573	71:0
1361	99	124	13:09:36.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 413.77 +/-	2R3	4	0	4,980,573	71:0
1362	99	124	13:09:50.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 460.64 +/-	2R3	4	0	4,980,574	00:0
1363	99	124	13:09:50.066	175KY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,574	00:0
1364	99	124	13:09:51.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 461.64 +/-	2R3	4	0	4,980,574	01:8
1365	99	124	13:12:56.733	165LX4A	7SCAN	NORM,70.285999,2	Check S/P Position	2R3	4	0	4,980,577	07:0
1366	99	124	13:13:28.733	175LX422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,577	55:0
1367	99	124	13:13:28.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 461.64 +/-	2R3	4	0	4,980,577	55:0
1368	99	124	13:13:35.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 461.64 +/-	2R3	4	0	4,980,577	65:0
1369	99	124	13:13:38.733	175LX176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,577	70:0
1370	99	124	13:13:39.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 467.94 +/-	2R3	4	0	4,980,577	71:0
1371	99	124	13:13:39.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 467.94 +/-	2R3	4	0	4,980,577	71:0
1372	99	124	13:13:52.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 514.82 +/-	2R3	4	0	4,980,578	00:0
1373	99	124	13:13:52.733	175LX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,578	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	99	124	13:13:53.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 515.82 +/-	2R3	4	0	4,980,578	01:8
1375	99	124	13:16:59.400	165LB4A	7SCAN	NORM,69.855,24.2	Check S/P Position	2R3	4	0	4,980,581	07:0
1376	99	124	13:17:31.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 515.82 +/-	2R3	4	0	4,980,581	55:0
1377	99	124	13:17:31.400	175LB422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,581	55:0
1378	99	124	13:17:38.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 515.82 +/-	2R3	4	0	4,980,581	65:0
1379	99	124	13:17:41.400	175LB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,581	70:0
1380	99	124	13:17:42.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 522.12 +/-	2R3	4	0	4,980,581	71:0
1381	99	124	13:17:42.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 522.12 +/-	2R3	4	0	4,980,581	71:0
1382	99	124	13:17:55.400	175LB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,582	00:0
1383	99	124	13:17:55.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 568.99 +/-	2R3	4	0	4,980,582	00:0
1384	99	124	13:17:56.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 569.99 +/-	2R3	4	0	4,980,582	01:8
1385	99	124	13:18:12.733	488AH6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,980,582	26:0
1386	99	124	13:20:01.400	165KZ4A	7SCAN	NORM,71.068,24.4	Check S/P Position	2R3	4	0	4,980,584	07:0
1387	99	124	13:20:33.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 569.99 +/-	2R3	4	0	4,980,584	55:0
1388	99	124	13:20:33.400	175KZ422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,584	55:0
1389	99	124	13:20:40.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 569.99 +/-	2R3	4	0	4,980,584	65:0
1390	99	124	13:20:43.400	175KZ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,584	70:0
1391	99	124	13:20:44.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 576.29 +/-	2R3	4	0	4,980,584	71:0
1392	99	124	13:20:44.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 576.29 +/-	2R3	4	0	4,980,584	71:0
1393	99	124	13:20:57.400	175KZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,585	00:0
1394	99	124	13:20:57.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 623.17 +/-	2R3	4	0	4,980,585	00:0
1395	99	124	13:20:58.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 624.17 +/-	2R3	4	0	4,980,585	01:8
1396	99	124	13:24:04.066	165LY4A	7SCAN	NORM,70.698999,2	Check S/P Position	2R3	4	0	4,980,588	07:0
1397	99	124	13:24:36.066	175LY422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,588	55:0
1398	99	124	13:24:36.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 624.17 +/-	2R3	4	0	4,980,588	55:0
1399	99	124	13:24:42.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 624.17 +/-	2R3	4	0	4,980,588	65:0
1400	99	124	13:24:46.066	175LY176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,588	70:0
1401	99	124	13:24:46.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 630.47 +/-	2R3	4	0	4,980,588	71:0
1402	99	124	13:24:46.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 630.47 +/-	2R3	4	0	4,980,588	71:0
1403	99	124	13:25:00.066	175LY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,589	00:0
1404	99	124	13:25:00.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 677.34 +/-	2R3	4	0	4,980,589	00:0
1405	99	124	13:25:01.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 678.34 +/-	2R3	4	0	4,980,589	01:8
1406	99	124	13:28:06.733	165LC4A	7SCAN	NORM,70.275999,2	Check S/P Position	2R3	4	0	4,980,592	07:0
1407	99	124	13:28:38.733	175LC422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,592	55:0
1408	99	124	13:28:38.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 678.34 +/-	2R3	4	0	4,980,592	55:0
1409	99	124	13:28:45.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 678.34 +/-	2R3	4	0	4,980,592	65:0
1410	99	124	13:28:48.733	175LC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,592	70:0
1411	99	124	13:28:49.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 684.64 +/-	2R3	4	0	4,980,592	71:0
1412	99	124	13:28:49.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 684.64 +/-	2R3	4	0	4,980,592	71:0
1413	99	124	13:29:02.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 731.52 +/-	2R3	4	0	4,980,593	00:0
1414	99	124	13:29:02.733	175LC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,593	00:0
1415	99	124	13:29:03.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 732.52 +/-	2R3	4	0	4,980,593	01:8
1416	99	124	13:32:09.400	165KD4A	7SCAN	NORM,69.806999,2	Check S/P Position	2R3	4	0	4,980,596	07:0
1417	99	124	13:32:41.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 732.52 +/-	2R3	4	0	4,980,596	55:0
1418	99	124	13:32:41.400	175KD422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,596	55:0
1419	99	124	13:32:48.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 732.52 +/-	2R3	4	0	4,980,596	65:0
1420	99	124	13:32:51.400	175KD176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,596	70:0
1421	99	124	13:32:52.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 738.82 +/-	2R3	4	0	4,980,596	71:0
1422	99	124	13:32:52.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 738.82 +/-	2R3	4	0	4,980,596	71:0
1423	99	124	13:33:05.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 785.69 +/-	2R3	4	0	4,980,597	00:0
1424	99	124	13:33:05.400	175KD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,597	00:0
1425	99	124	13:33:06.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 786.69 +/-	2R3	4	0	4,980,597	01:8
1426	99	124	13:35:11.400	165LZ4A	7SCAN	NORM,71.106999,2	Check S/P Position	2R3	4	0	4,980,599	07:0
1427	99	124	13:35:43.400	175LZ422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,599	55:0
1428	99	124	13:35:43.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 786.69 +/-	2R3	4	0	4,980,599	55:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	99	124	13:35:50.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 786.69 +/-	2R3	4	0	4,980,599	65:0
1430	99	124	13:35:53.400	175LZ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,599	70:0
1431	99	124	13:35:54.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 792.99 +/-	2R3	4	0	4,980,599	71:0
1432	99	124	13:35:54.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 792.99 +/-	2R3	4	0	4,980,599	71:0
1433	99	124	13:36:07.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 839.87 +/-	2R3	4	0	4,980,600	00:0
1434	99	124	13:36:07.400	175LZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,600	00:0
1435	99	124	13:36:08.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 840.87 +/-	2R3	4	0	4,980,600	01:8
1436	99	124	13:39:14.066	165LD4A	7SCAN	NORM,70.684999,2	Check S/P Position	2R3	4	0	4,980,603	07:0
1437	99	124	13:39:46.066	175LD422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,603	55:0
1438	99	124	13:39:46.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 840.87 +/-	2R3	4	0	4,980,603	55:0
1439	99	124	13:39:52.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 840.87 +/-	2R3	4	0	4,980,603	65:0
1440	99	124	13:39:56.066	175LD176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,603	70:0
1441	99	124	13:39:56.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 847.17 +/-	2R3	4	0	4,980,603	71:0
1442	99	124	13:39:56.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 847.17 +/-	2R3	4	0	4,980,603	71:0
1443	99	124	13:40:10.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 894.04 +/-	2R3	4	0	4,980,604	00:0
1444	99	124	13:40:10.066	175LD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,604	00:0
1445	99	124	13:40:11.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 895.04 +/-	2R3	4	0	4,980,604	01:8
1446	99	124	13:43:16.733	165QA4A	7SCAN	NORM,70.224,24.3	Check S/P Position	2R3	4	0	4,980,607	07:0
1447	99	124	13:43:48.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 895.04 +/-	2R3	4	0	4,980,607	55:0
1448	99	124	13:43:48.733	175QA422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,607	55:0
1449	99	124	13:43:55.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 895.04 +/-	2R3	4	0	4,980,607	65:0
1450	99	124	13:43:58.733	175QA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,607	70:0
1451	99	124	13:43:59.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 901.34 +/-	2R3	4	0	4,980,607	71:0
1452	99	124	13:43:59.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 901.34 +/-	2R3	4	0	4,980,607	71:0
1453	99	124	13:44:12.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 948.22 +/-	2R3	4	0	4,980,608	00:0
1454	99	124	13:44:12.733	175QA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,608	00:0
1455	99	124	13:44:13.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 949.22 +/-	2R3	4	0	4,980,608	01:8
1456	99	124	13:47:19.400	165QF4A	7SCAN	NORM,69.735,24.2	Check S/P Position	2R3	4	0	4,980,611	07:0
1457	99	124	13:47:51.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 949.22 +/-	2R3	4	0	4,980,611	55:0
1458	99	124	13:47:51.400	175QF422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,611	55:0
1459	99	124	13:47:58.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 949.22 +/-	2R3	4	0	4,980,611	65:0
1460	99	124	13:48:01.400	175QF176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,611	70:0
1461	99	124	13:48:02.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 955.52 +/- 1	2R3	4	0	4,980,611	71:0
1462	99	124	13:48:02.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 955.52 +/-	2R3	4	0	4,980,611	71:0
1463	99	124	13:48:15.400	175QF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,612	00:0
1464	99	124	13:48:15.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1002.39 +/- 1	2R3	4	0	4,980,612	00:0
1465	99	124	13:48:16.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1003.39 +/- 1	2R3	4	0	4,980,612	01:8
1466	99	124	13:50:21.400	165LE4A	7SCAN	NORM,71.089999,2	Check S/P Position	2R3	4	0	4,980,614	07:0
1467	99	124	13:50:53.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1003.39 +/- 1	2R3	4	0	4,980,614	55:0
1468	99	124	13:50:53.400	175LE422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,614	55:0
1469	99	124	13:51:00.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1003.39 +/- 1	2R3	4	0	4,980,614	65:0
1470	99	124	13:51:03.400	175LE176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,614	70:0
1471	99	124	13:51:04.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1009.69 +/- 1	2R3	4	0	4,980,614	71:0
1472	99	124	13:51:04.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1009.69 +/- 1	2R3	4	0	4,980,614	71:0
1473	99	124	13:51:17.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1056.57 +/- 1	2R3	4	0	4,980,615	00:0
1474	99	124	13:51:17.400	175LE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,615	00:0
1475	99	124	13:51:18.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1057.57 +/- 1	2R3	4	0	4,980,615	01:8
1476	99	124	13:54:24.066	165QB4A	7SCAN	NORM,70.631,24.3	Check S/P Position	2R3	4	0	4,980,618	07:0
1477	99	124	13:54:56.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1057.57 +/- 1	2R3	4	0	4,980,618	55:0
1478	99	124	13:54:56.066	175QB422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,618	55:0
1479	99	124	13:55:02.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1057.57 +/- 1	2R3	4	0	4,980,618	65:0
1480	99	124	13:55:06.066	175QB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,618	70:0
1481	99	124	13:55:06.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1063.87 +/- 1	2R3	4	0	4,980,618	71:0
1482	99	124	13:55:06.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1063.87 +/- 1	2R3	4	0	4,980,618	71:0
1483	99	124	13:55:20.066	175QB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,619	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	99	124	13:55:20.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1110.74 +/- 1	2R3	4	0	4,980,619:00:0	
1485	99	124	13:55:21.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1111.74 +/- 1	2R3	4	0	4,980,619:01:8	
1486	99	124	13:58:26.733	165QG4A	7SCAN	NORM,70.15,24.30	Check S/P Position	2R3	4	0	4,980,622:07:0	
1487	99	124	13:58:58.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1111.74 +/- 1	2R3	4	0	4,980,622:55:0	
1488	99	124	13:58:58.733	175QG422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,622:55:0	
1489	99	124	13:59:05.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1111.74 +/- 1	2R3	4	0	4,980,622:65:0	
1490	99	124	13:59:08.733	175QG176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,622:70:0	
1491	99	124	13:59:09.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1118.04 +/- 1	2R3	4	0	4,980,622:71:0	
1492	99	124	13:59:09.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1118.04 +/- 1	2R3	4	0	4,980,622:71:0	
1493	99	124	13:59:22.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1164.92 +/- 1	2R3	4	0	4,980,623:00:0	
1494	99	124	13:59:22.733	175QG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,623:00:0	
1495	99	124	13:59:23.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1165.92 +/- 1	2R3	4	0	4,980,623:01:8	
1496	99	124	14:00:16.733	488AH6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,980,623:81:0	
1497	99	124	14:02:29.400	165QL4A	7SCAN	NORM,69.657,24.2	Check S/P Position	2R3	4	0	4,980,626:07:0	
1498	99	124	14:03:01.400	175QL422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,626:55:0	
1499	99	124	14:03:01.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1165.92 +/- 1	2R3	4	0	4,980,626:55:0	
1500	99	124	14:03:08.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1165.92 +/- 1	2R3	4	0	4,980,626:65:0	
1501	99	124	14:03:11.400	175QL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,626:70:0	
1502	99	124	14:03:12.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1172.22 +/- 1	2R3	4	0	4,980,626:71:0	
1503	99	124	14:03:12.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1172.22 +/- 1	2R3	4	0	4,980,626:71:0	
1504	99	124	14:03:25.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1219.09 +/- 1	2R3	4	0	4,980,627:00:0	
1505	99	124	14:03:25.400	175QL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,627:00:0	
1506	99	124	14:03:26.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1220.09 +/- 1	2R3	4	0	4,980,627:01:8	
1507	99	124	14:05:31.400	165QC4A	7SCAN	NORM,71.033,24.4	Check S/P Position	2R3	4	0	4,980,629:07:0	
1508	99	124	14:06:03.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1220.09 +/- 1	2R3	4	0	4,980,629:55:0	
1509	99	124	14:06:03.400	175QC422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,629:55:0	
1510	99	124	14:06:10.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1220.09 +/- 1	2R3	4	0	4,980,629:65:0	
1511	99	124	14:06:13.400	175QC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,629:70:0	
1512	99	124	14:06:14.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1226.39 +/- 1	2R3	4	0	4,980,629:71:0	
1513	99	124	14:06:14.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1226.39 +/- 1	2R3	4	0	4,980,629:71:0	
1514	99	124	14:06:15.400	165AQ4A	7SCAN	NORM,70.089,26.8	Check S/P Position	2R3	4	0	4,980,629:73:0	
1515	99	124	14:06:27.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1273.27 +/- 1	2R3	4	0	4,980,630:00:0	
1516	99	124	14:06:27.400	175QC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,630:00:0	
1517	99	124	14:06:28.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1274.27 +/- 1	2R3	4	0	4,980,630:01:8	
1518	99	124	14:09:34.066	165QH4A	7SCAN	NORM,70.552999,2	Check S/P Position	2R3	4	0	4,980,633:07:0	
1519	99	124	14:10:06.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1274.27 +/- 1	2R3	4	0	4,980,633:55:0	
1520	99	124	14:10:06.066	175QH422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,633:55:0	
1521	99	124	14:10:12.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1274.27 +/- 1	2R3	4	0	4,980,633:65:0	
1522	99	124	14:10:16.066	175QH176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,633:70:0	
1523	99	124	14:10:16.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1280.57 +/- 1	2R3	4	0	4,980,633:71:0	
1524	99	124	14:10:16.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1280.57 +/- 1	2R3	4	0	4,980,633:71:0	
1525	99	124	14:10:18.733	165AR4A	7SCAN	NORM,70.245,26.8	Check S/P Position	2R3	4	0	4,980,633:74:0	
1526	99	124	14:10:30.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1327.44 +/- 1	2R3	4	0	4,980,634:00:0	
1527	99	124	14:10:30.066	175QH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,634:00:0	
1528	99	124	14:10:31.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1328.44 +/- 1	2R3	4	0	4,980,634:01:8	
1529	99	124	14:13:36.733	165QM4A	7SCAN	NORM,70.068999,2	Check S/P Position	2R3	4	0	4,980,637:07:0	
1530	99	124	14:14:08.733	175QM422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,637:55:0	
1531	99	124	14:14:08.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1328.44 +/- 1	2R3	4	0	4,980,637:55:0	
1532	99	124	14:14:15.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1328.44 +/- 1	2R3	4	0	4,980,637:65:0	
1533	99	124	14:14:18.733	175QM176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,637:70:0	
1534	99	124	14:14:19.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1334.74 +/- 1	2R3	4	0	4,980,637:71:0	
1535	99	124	14:14:19.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1334.74 +/- 1	2R3	4	0	4,980,637:71:0	
1536	99	124	14:14:20.733	165AS4A	7SCAN	NORM,70.4,26.884	Check S/P Position	2R3	4	0	4,980,637:73:0	
1537	99	124	14:14:32.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1381.62 +/- 1	2R3	4	0	4,980,638:00:0	
1538	99	124	14:14:32.733	175QM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,638:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	99	124	14:14:33.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1382.62 +/- 1	2R3	4	0	4,980,638:01:8	
1540	99	124	14:15:24.066	117AS	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,638:77:0	
1541	99	124	14:15:33.400	117AS105A106A4A	7STRP	-0.0021,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,639:00:0	
1542	99	124	14:19:05.400	117AS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,642:45:0	
1543	99	124	14:20:41.400	165QI4A	7SCAN	NORM,70.952,24.3	Check S/P Position	2R3	4	0	4,980,644:07:0	
1544	99	124	14:21:13.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1382.62 +/- 1	2R3	4	0	4,980,644:55:0	
1545	99	124	14:21:13.400	175QI422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,644:55:0	
1546	99	124	14:21:20.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1382.62 +/- 1	2R3	4	0	4,980,644:65:0	
1547	99	124	14:21:23.400	175QI176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,644:70:0	
1548	99	124	14:21:24.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1388.92 +/- 1	2R3	4	0	4,980,644:71:0	
1549	99	124	14:21:24.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1388.92 +/- 1	2R3	4	0	4,980,644:71:0	
1550	99	124	14:21:25.400	165AT4A	7SCAN	NORM,70.669999,2	Check S/P Position	2R3	4	0	4,980,644:73:0	
1551	99	124	14:21:37.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1435.79 +/- 1	2R3	4	0	4,980,645:00:0	
1552	99	124	14:21:37.400	175QI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,645:00:0	
1553	99	124	14:21:38.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1436.79 +/- 1	2R3	4	0	4,980,645:01:8	
1554	99	124	14:24:44.066	165QN4A	7SCAN	NORM,70.469999,2	Check S/P Position	2R3	4	0	4,980,648:07:0	
1555	99	124	14:25:16.066	175QN422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,648:55:0	
1556	99	124	14:25:16.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1436.79 +/- 1	2R3	4	0	4,980,648:55:0	
1557	99	124	14:25:22.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1436.79 +/- 1	2R3	4	0	4,980,648:65:0	
1558	99	124	14:25:26.066	175QN176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,648:70:0	
1559	99	124	14:25:26.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1443.09 +/- 1	2R3	4	0	4,980,648:71:0	
1560	99	124	14:25:26.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1443.09 +/- 1	2R3	4	0	4,980,648:71:0	
1561	99	124	14:25:28.066	165AU4A	7SCAN	NORM,70.823,26.9	Check S/P Position	2R3	4	0	4,980,648:73:0	
1562	99	124	14:25:40.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1489.97 +/- 1	2R3	4	0	4,980,649:00:0	
1563	99	124	14:25:40.066	175QN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,649:00:0	
1564	99	124	14:25:41.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1490.97 +/- 1	2R3	4	0	4,980,649:01:8	
1565	99	124	14:28:46.733	165JM4A	7SCAN	NORM,73.98,24.71	Check S/P Position	2R3	4	0	4,980,652:07:0	
1566	99	124	14:29:18.733	175JM422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,652:55:0	
1567	99	124	14:29:18.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1490.97 +/- 1	2R3	4	0	4,980,652:55:0	
1568	99	124	14:29:25.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1490.97 +/- 1	2R3	4	0	4,980,652:65:0	
1569	99	124	14:29:28.733	175JM176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,652:70:0	
1570	99	124	14:29:29.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1497.27 +/- 1	2R3	4	0	4,980,652:71:0	
1571	99	124	14:29:29.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1497.27 +/- 1	2R3	4	0	4,980,652:71:0	
1572	99	124	14:29:34.733	165AE4A	7SCAN	NORM,68.084,24.0	Check S/P Position	2R3	4	0	4,980,652:79:0	
1573	99	124	14:29:42.733	175JM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,653:00:0	
1574	99	124	14:29:42.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1544.14 +/- 1	2R3	4	0	4,980,653:00:0	
1575	99	124	14:29:43.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1545.14 +/- 1	2R3	4	0	4,980,653:01:8	
1576	99	124	14:35:51.400	165QO4A	7SCAN	NORM,70.867,24.3	Check S/P Position	2R3	4	0	4,980,659:07:0	
1577	99	124	14:36:23.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1545.14 +/- 1	2R3	4	0	4,980,659:55:0	
1578	99	124	14:36:23.400	175QO422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,659:55:0	
1579	99	124	14:36:30.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1545.14 +/- 1	2R3	4	0	4,980,659:65:0	
1580	99	124	14:36:33.400	175QO176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,659:70:0	
1581	99	124	14:36:34.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1551.44 +/- 1	2R3	4	0	4,980,659:71:0	
1582	99	124	14:36:34.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1551.44 +/- 1	2R3	4	0	4,980,659:71:0	
1583	99	124	14:36:39.400	165AF4A	7SCAN	NORM,68.335999,2	Check S/P Position	2R3	4	0	4,980,659:79:0	
1584	99	124	14:36:47.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1598.32 +/- 1	2R3	4	0	4,980,660:00:0	
1585	99	124	14:36:47.400	175QO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,660:00:0	
1586	99	124	14:36:48.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1599.32 +/- 1	2R3	4	0	4,980,660:01:8	
1587	99	124	14:39:54.066	165JS4A	7SCAN	NORM,74.365,24.7	Check S/P Position	2R3	4	0	4,980,663:07:0	
1588	99	124	14:40:26.066	175JS422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,663:55:0	
1589	99	124	14:40:26.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1599.32 +/- 1	2R3	4	0	4,980,663:55:0	
1590	99	124	14:40:32.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1599.32 +/- 1	2R3	4	0	4,980,663:65:0	
1591	99	124	14:40:36.066	175JS176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,663:70:0	
1592	99	124	14:40:36.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1605.62 +/- 1	2R3	4	0	4,980,663:71:0	
1593	99	124	14:40:36.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1605.62 +/- 1	2R3	4	0	4,980,663:71:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	99	124	14:40:42.066	165AG4A	7SCAN	NORM,68.478999,2	Check S/P Position	2R3	4	0	4,980,663	79:0
1595	99	124	14:40:50.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1652.49 +/- 1	2R3	4	0	4,980,664	00:0
1596	99	124	14:40:50.066	175JS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,664	00:0
1597	99	124	14:40:51.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1653.49 +/- 1	2R3	4	0	4,980,664	01:8
1598	99	124	14:43:56.733	165JY4A	7SCAN	NORM,74.063999,2	Check S/P Position	2R3	4	0	4,980,667	07:0
1599	99	124	14:44:28.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1653.49 +/- 1	2R3	4	0	4,980,667	55:0
1600	99	124	14:44:28.733	175JY422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,667	55:0
1601	99	124	14:44:35.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1653.49 +/- 1	2R3	4	0	4,980,667	65:0
1602	99	124	14:44:38.733	175JY176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,667	70:0
1603	99	124	14:44:39.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1659.79 +/- 1	2R3	4	0	4,980,667	71:0
1604	99	124	14:44:39.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1659.79 +/- 1	2R3	4	0	4,980,667	71:0
1605	99	124	14:44:42.066	165CC4A	7SCAN	NORM,68.62,24.11	Check S/P Position	2R3	4	0	4,980,667	75:0
1606	99	124	14:44:52.733	175JY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,668	00:0
1607	99	124	14:44:52.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1706.67 +/- 1	2R3	4	0	4,980,668	00:0
1608	99	124	14:44:53.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1707.67 +/- 1	2R3	4	0	4,980,668	01:8
1609	99	124	14:55:04.066	165LA4A	7SCAN	NORM,74.445999,2	Check S/P Position	2R3	4	0	4,980,678	07:0
1610	99	124	14:55:36.066	175LA422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,678	55:0
1611	99	124	14:55:36.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1707.67 +/- 1	2R3	4	0	4,980,678	55:0
1612	99	124	14:55:42.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1707.67 +/- 1	2R3	4	0	4,980,678	65:0
1613	99	124	14:55:46.066	175LA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,678	70:0
1614	99	124	14:55:46.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1713.97 +/- 1	2R3	4	0	4,980,678	71:0
1615	99	124	14:55:46.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1713.97 +/- 1	2R3	4	0	4,980,678	71:0
1616	99	124	14:55:49.400	165GX4A	7SCAN	NORM,69.009999,2	Check S/P Position	2R3	4	0	4,980,678	75:0
1617	99	124	14:56:00.066	175LA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,679	00:0
1618	99	124	14:56:00.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1760.84 +/- 1	2R3	4	0	4,980,679	00:0
1619	99	124	14:56:01.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1761.84 +/- 2	2R3	4	0	4,980,679	01:8
1620	99	124	14:59:06.733	165LF4A	7SCAN	NORM,74.08,24.72	Check S/P Position	2R3	4	0	4,980,682	07:0
1621	99	124	14:59:38.733	175LF422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,682	55:0
1622	99	124	14:59:38.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1761.84 +/- 2	2R3	4	0	4,980,682	55:0
1623	99	124	14:59:45.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1761.84 +/- 2	2R3	4	0	4,980,682	65:0
1624	99	124	14:59:48.733	175LF176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,682	70:0
1625	99	124	14:59:49.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1768.14 +/- 2	2R3	4	0	4,980,682	71:0
1626	99	124	14:59:49.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1768.14 +/- 2	2R3	4	0	4,980,682	71:0
1627	99	124	14:59:52.066	165GW4A	7SCAN	NORM,69.150999,2	Check S/P Position	2R3	4	0	4,980,682	75:0
1628	99	124	15:00:02.733	175LF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,683	00:0
1629	99	124	15:00:02.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1815.02 +/- 2	2R3	4	0	4,980,683	00:0
1630	99	124	15:00:03.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1816.02 +/- 2	2R3	4	0	4,980,683	01:8
1631	99	124	15:03:31.400	488AH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	4,980,686	40:0
1632	99	124	15:06:26.733	165KS4A	7SCAN	NORM,73.398999,2	Check S/P Position	2R3	4	0	4,980,689	30:0
1633	99	124	15:07:04.066	175KS422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,689	86:0
1634	99	124	15:07:04.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1816.02 +/- 2	2R3	4	0	4,980,689	86:0
1635	99	124	15:07:10.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1816.02 +/- 2	2R3	4	0	4,980,690	05:0
1636	99	124	15:07:14.066	175KS176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,690	10:0
1637	99	124	15:07:14.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1822.32 +/- 2	2R3	4	0	4,980,690	11:0
1638	99	124	15:07:14.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1822.32 +/- 2	2R3	4	0	4,980,690	11:0
1639	99	124	15:08:08.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2009.82 +/- 2	2R3	4	0	4,980,691	00:0
1640	99	124	15:08:08.066	175KS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,691	00:0
1641	99	124	15:08:09.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2010.82 +/- 2	2R3	4	0	4,980,691	01:8
1642	99	124	15:10:14.066	165LG4A	7SCAN	NORM,74.459,24.7	Check S/P Position	2R3	4	0	4,980,693	07:0
1643	99	124	15:10:46.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2010.82 +/- 2	2R3	4	0	4,980,693	55:0
1644	99	124	15:10:46.066	175LG422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,693	55:0
1645	99	124	15:10:52.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2010.82 +/- 2	2R3	4	0	4,980,693	65:0
1646	99	124	15:10:56.066	175LG176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,693	70:0
1647	99	124	15:10:56.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2017.12 +/- 2	2R3	4	0	4,980,693	71:0
1648	99	124	15:10:56.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2017.12 +/- 2	2R3	4	0	4,980,693	71:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	99	124	15:11:10.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2063.99 +/- 2	2R3	4	0	4,980,694:00:0	
1650	99	124	15:11:10.066	175LG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,694:00:0	
1651	99	124	15:11:11.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2064.99 +/- 2	2R3	4	0	4,980,694:01:8	
1652	99	124	15:14:16.733	165QD4A	7SCAN	NORM,74.040999,2	Check S/P Position	2R3	4	0	4,980,697:07:0	
1653	99	124	15:14:48.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2064.99 +/- 2	2R3	4	0	4,980,697:55:0	
1654	99	124	15:14:48.733	175QD422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,697:55:0	
1655	99	124	15:14:55.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2064.99 +/- 2	2R3	4	0	4,980,697:65:0	
1656	99	124	15:14:58.733	175QD176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,697:70:0	
1657	99	124	15:14:59.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2071.29 +/- 2	2R3	4	0	4,980,697:71:0	
1658	99	124	15:14:59.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2071.29 +/- 2	2R3	4	0	4,980,697:71:0	
1659	99	124	15:15:00.733	165AW4A	7SCAN	NORM,72.698,27.0	Check S/P Position	2R3	4	0	4,980,697:73:0	
1660	99	124	15:15:12.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2118.17 +/- 2	2R3	4	0	4,980,698:00:0	
1661	99	124	15:15:12.733	175QD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,698:00:0	
1662	99	124	15:15:13.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2119.17 +/- 2	2R3	4	0	4,980,698:01:8	
1663	99	124	15:16:04.066	117AW	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,698:77:0	
1664	99	124	15:16:13.400	117AW105A106A4A	7STRP	-0.0021,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,699:00:0	
1665	99	124	15:19:45.400	117AW105A106A4B	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,702:45:0	
1666	99	124	15:20:16.066	117AW105A106A4C	7STRP	-0.0021,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,703:00:0	
1667	99	124	15:23:48.066	117AW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,706:45:0	
1668	99	124	15:25:24.066	165QE4A	7SCAN	NORM,74.417999,2	Check S/P Position	2R3	4	0	4,980,708:07:0	
1669	99	124	15:25:56.066	175QE422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,708:55:0	
1670	99	124	15:25:56.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2119.17 +/- 2	2R3	4	0	4,980,708:55:0	
1671	99	124	15:26:02.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2119.17 +/- 2	2R3	4	0	4,980,708:65:0	
1672	99	124	15:26:06.066	175QE176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,708:70:0	
1673	99	124	15:26:06.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2125.47 +/- 2	2R3	4	0	4,980,708:71:0	
1674	99	124	15:26:06.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2125.47 +/- 2	2R3	4	0	4,980,708:71:0	
1675	99	124	15:26:12.066	165AX4A	7SCAN	NORM,73.099,27.0	Check S/P Position	2R3	4	0	4,980,708:79:0	
1676	99	124	15:26:20.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2172.34 +/- 2	2R3	4	0	4,980,709:00:0	
1677	99	124	15:26:20.066	175QE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,709:00:0	
1678	99	124	15:26:21.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2173.34 +/- 2	2R3	4	0	4,980,709:01:8	
1679	99	124	15:29:26.733	165QJ4A	7SCAN	NORM,73.964,24.7	Check S/P Position	2R3	4	0	4,980,712:07:0	
1680	99	124	15:29:58.733	175QJ422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,712:55:0	
1681	99	124	15:29:58.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2173.34 +/- 2	2R3	4	0	4,980,712:55:0	
1682	99	124	15:30:05.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2173.34 +/- 2	2R3	4	0	4,980,712:65:0	
1683	99	124	15:30:08.733	175QJ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,712:70:0	
1684	99	124	15:30:09.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2179.64 +/- 2	2R3	4	0	4,980,712:71:0	
1685	99	124	15:30:09.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2179.64 +/- 2	2R3	4	0	4,980,712:71:0	
1686	99	124	15:30:12.066	165AY4A	7SCAN	NORM,73.243999,2	Check S/P Position	2R3	4	0	4,980,712:75:0	
1687	99	124	15:30:22.733	175QJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,713:00:0	
1688	99	124	15:30:22.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2226.52 +/- 2	2R3	4	0	4,980,713:00:0	
1689	99	124	15:30:23.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2227.52 +/- 2	2R3	4	0	4,980,713:01:8	
1690	99	124	15:31:14.066	117AY	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,713:77:0	
1691	99	124	15:31:23.400	117AY105A106A4A	7STRP	-0.0021,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,714:00:0	
1692	99	124	15:34:55.400	117AY105A106A4B	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,717:45:0	
1693	99	124	15:35:26.066	117AY105A106A4C	7STRP	-0.0021,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,718:00:0	
1694	99	124	15:38:58.066	117AY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,721:45:0	
1695	99	124	15:40:34.066	165QK4A	7SCAN	NORM,74.339,24.7	Check S/P Position	2R3	4	0	4,980,723:07:0	
1696	99	124	15:41:06.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2227.52 +/- 2	2R3	4	0	4,980,723:55:0	
1697	99	124	15:41:06.066	175QK422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,723:55:0	
1698	99	124	15:41:12.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2227.52 +/- 2	2R3	4	0	4,980,723:65:0	
1699	99	124	15:41:16.066	175QK176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,723:70:0	
1700	99	124	15:41:16.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2233.82 +/- 2	2R3	4	0	4,980,723:71:0	
1701	99	124	15:41:16.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2233.82 +/- 2	2R3	4	0	4,980,723:71:0	
1702	99	124	15:41:19.400	165AZ4A	7SCAN	NORM,73.639,27.1	Check S/P Position	2R3	4	0	4,980,723:75:0	
1703	99	124	15:41:30.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2280.69 +/- 2	2R3	4	0	4,980,724:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1704	99	124	15:41:30.066	175QK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,724:00:0
1705	99	124	15:41:31.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2281.69 +/- 2	2R3	4	0	4,980,724:01:8
1706	99	124	15:44:36.733	165QP4A	7SCAN	NORM,73.865,24.6	Check S/P Position	2R3	4	0	4,980,727:07:0
1707	99	124	15:45:08.733	175QP422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,727:55:0
1708	99	124	15:45:08.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2281.69 +/- 2	2R3	4	0	4,980,727:55:0
1709	99	124	15:45:15.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2281.69 +/- 2	2R3	4	0	4,980,727:65:0
1710	99	124	15:45:18.733	175QP176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,727:70:0
1711	99	124	15:45:19.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2287.99 +/- 2	2R3	4	0	4,980,727:71:0
1712	99	124	15:45:19.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2287.99 +/- 2	2R3	4	0	4,980,727:71:0
1713	99	124	15:45:32.733	175QP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,728:00:0
1714	99	124	15:45:32.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2334.87 +/- 2	2R3	4	0	4,980,728:00:0
1715	99	124	15:45:33.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2335.87 +/- 2	2R3	4	0	4,980,728:01:8
1716	99	124	15:47:54.066	165LS4A	7SCAN	NORM,73.254,25.9	Check S/P Position	2R3	4	0	4,980,730:30:0
1717	99	124	15:48:31.400	175LS422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,730:86:0
1718	99	124	15:48:31.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2335.87 +/- 2	2R3	4	0	4,980,730:86:0
1719	99	124	15:48:38.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2335.87 +/- 2	2R3	4	0	4,980,731:05:0
1720	99	124	15:48:41.400	175LS176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,731:10:0
1721	99	124	15:48:42.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2342.17 +/- 2	2R3	4	0	4,980,731:11:0
1722	99	124	15:48:42.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2342.17 +/- 2	2R3	4	0	4,980,731:11:0
1723	99	124	15:49:35.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2529.67 +/- 2	2R3	4	0	4,980,732:00:0
1724	99	124	15:49:35.400	175LS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,732:00:0
1725	99	124	15:49:36.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2530.67 +/- 2	2R3	4	0	4,980,732:01:8
1726	99	124	15:55:44.066	165QQ4A	7SCAN	NORM,74.238,24.7	Check S/P Position	2R3	4	0	4,980,738:07:0
1727	99	124	15:56:16.066	175QQ422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,738:55:0
1728	99	124	15:56:16.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2530.67 +/- 2	2R3	4	0	4,980,738:55:0
1729	99	124	15:56:22.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2530.67 +/- 2	2R3	4	0	4,980,738:65:0
1730	99	124	15:56:26.066	175QQ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,738:70:0
1731	99	124	15:56:26.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2536.97 +/- 2	2R3	4	0	4,980,738:71:0
1732	99	124	15:56:26.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2536.97 +/- 2	2R3	4	0	4,980,738:71:0
1733	99	124	15:56:28.733	165CB4A	7SCAN	NORM,74.2,27.152	Check S/P Position	2R3	4	0	4,980,738:74:0
1734	99	124	15:56:40.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2583.84 +/- 2	2R3	4	0	4,980,739:00:0
1735	99	124	15:56:40.066	175QQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,739:00:0
1736	99	124	15:56:41.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2584.84 +/- 2	2R3	4	0	4,980,739:01:8
1737	99	124	15:57:31.400	117CB	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,739:77:0
1738	99	124	15:57:40.733	117CB105A106A4A	7STRP	-0.0023,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,740:00:0
1739	99	124	16:00:00.066	481UA4A	7VECT	BB1	Inert vect update UTC	2R3	4	0	4,980,742:27:0
1740	99	124	16:01:12.733	117CB105A106A4B	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,743:45:0
1741	99	124	16:01:43.400	117CB105A106A4C	7STRP	-0.0023,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,744:00:0
1742	99	124	16:05:15.400	117CB105A106A4D	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,747:45:0
1743	99	124	16:05:46.066	117CB105A106A4E	7STRP	-0.0023,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,748:00:0
1744	99	124	16:09:18.066	117CB105A106A4F	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,751:45:0
1745	99	124	16:09:48.733	117CB105A106A4G	7STRP	-0.0023,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,752:00:0
1746	99	124	16:13:20.733	117CB105A106A4H	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,755:45:0
1747	99	124	16:13:51.400	117CB105A106A4I	7STRP	-0.0023,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,756:00:0
1748	99	124	16:17:23.400	117CB105A106A4J	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,759:45:0
1749	99	124	16:17:54.066	117CB105A106A4K	7STRP	-0.0023,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,760:00:0
1750	99	124	16:21:26.066	117CB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,763:45:0
1751	99	124	16:24:18.066	165JH4A	7SCAN	NORM,77.974999,2	Check S/P Position	2R3	4	0	4,980,766:30:0
1752	99	124	16:24:49.400	175JH422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,766:77:0
1753	99	124	16:24:49.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2584.84 +/- 2	2R3	4	0	4,980,766:77:0
1754	99	124	16:24:50.733	118JH	**SMOS**	GS		2R3	4	0	4,980,766:79:0
1755	99	124	16:24:56.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2584.84 +/- 2	2R3	4	0	4,980,766:87:0
1756	99	124	16:24:59.400	175JH176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,767:01:0
1757	99	124	16:25:00.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2591.14 +/- 2	2R3	4	0	4,980,767:02:0
1758	99	124	16:25:00.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2591.14 +/- 2	2R3	4	0	4,980,767:02:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	99	124	16:25:00.733	118JH110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,767:03:0	
1760	99	124	16:25:16.066	118JH110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,767:26:0	
1761	99	124	16:25:31.400	118JH110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,767:49:0	
1762	99	124	16:25:46.733	118JH11A	**SMOS**	GE		2R3	4	0	4,980,767:72:0	
1763	99	124	16:25:51.400	165CD4A	7SCAN	NORM,74.511,25.7	Check S/P Position	2R3	4	0	4,980,767:79:0	
1764	99	124	16:26:14.733	175JH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,768:23:0	
1765	99	124	16:26:14.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2853.64 +/- 2	2R3	4	0	4,980,768:23:0	
1766	99	124	16:26:15.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2854.64 +/- 2	2R3	4	0	4,980,768:24:8	
1767	99	124	16:26:50.733	117CD	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,768:77:0	
1768	99	124	16:27:00.066	117CD105A106A4A	7STRP	-0.0021,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,769:00:0	
1769	99	124	16:30:00.733	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	4,980,771:89:0	
1770	99	124	16:30:32.733	117CD105A106A4B	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,772:46:0	
1771	99	124	16:31:03.400	117CD105A106A4C	7STRP	-0.0021,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,773:01:0	
1772	99	124	16:34:08.733	20ZM6A	6EUVON			2R3	4	0	4,980,776:06:0	
1773	99	124	16:34:36.066	117CD105A106A4D	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,776:47:0	
1774	99	124	16:35:05.400	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2R3	4	0	4,980,777:00:0	
1775	99	124	16:35:06.733	117CD105A106A4E	7STRP	-0.0021,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,777:02:0	
1776	99	124	16:38:39.400	117CD105A106A4F	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,780:48:0	
1777	99	124	16:39:10.066	117CD105A106A4G	7STRP	-0.0021,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,781:03:0	
1778	99	124	16:42:42.733	117CD105A106A4H	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,784:49:0	
1779	99	124	16:43:13.400	117CD105A106A4I	7STRP	-0.0021,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,785:04:0	
1780	99	124	16:46:46.066	117CD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,788:50:0	
1781	99	124	16:48:34.066	165JI4A	7SCAN	NORM,78.735999,2	Check S/P Position	2R3	4	0	4,980,790:30:0	
1782	99	124	16:49:05.400	175JI422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,790:77:0	
1783	99	124	16:49:05.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2854.64 +/- 2	2R3	4	0	4,980,790:77:0	
1784	99	124	16:49:06.733	118JI	**SMOS**	GS		2R3	4	0	4,980,790:79:0	
1785	99	124	16:49:12.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2854.64 +/- 2	2R3	4	0	4,980,790:87:0	
1786	99	124	16:49:15.400	175JI176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,791:01:0	
1787	99	124	16:49:16.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2860.94 +/- 2	2R3	4	0	4,980,791:02:0	
1788	99	124	16:49:16.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2860.94 +/- 2	2R3	4	0	4,980,791:02:0	
1789	99	124	16:49:16.733	118JI110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,791:03:0	
1790	99	124	16:49:32.066	118JI110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,791:26:0	
1791	99	124	16:49:47.400	118JI110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,791:49:0	
1792	99	124	16:50:02.733	118JI11A	**SMOS**	GE		2R3	4	0	4,980,791:72:0	
1793	99	124	16:50:30.733	175JI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,792:23:0	
1794	99	124	16:50:30.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3123.44 +/- 2	2R3	4	0	4,980,792:23:0	
1795	99	124	16:50:31.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3124.44 +/- 2	2R3	4	0	4,980,792:24:8	
1796	99	124	16:51:01.400	165CE4A	7SCAN	NORM,75.379999,2	Check S/P Position	2R3	4	0	4,980,792:69:0	
1797	99	124	16:52:07.400	117CE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,793:77:0	
1798	99	124	16:52:16.733	117CE105A106A4A	7STRP	-0.0021,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,794:00:0	
1799	99	124	16:55:49.400	117CE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,797:46:0	
1800	99	124	16:58:25.400	165KT4A	7SCAN	NORM,78.365999,2	Check S/P Position	2R3	4	0	4,980,800:07:0	
1801	99	124	16:58:57.400	175KT422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,800:55:0	
1802	99	124	16:58:57.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3124.44 +/- 2	2R3	4	0	4,980,800:55:0	
1803	99	124	16:59:04.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3124.44 +/- 2	2R3	4	0	4,980,800:65:0	
1804	99	124	16:59:07.400	175KT176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,800:70:0	
1805	99	124	16:59:08.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3130.74 +/- 2	2R3	4	0	4,980,800:71:0	
1806	99	124	16:59:08.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3130.74 +/- 2	2R3	4	0	4,980,800:71:0	
1807	99	124	16:59:13.400	165CF4A	7SCAN	NORM,75.65,25.84	Check S/P Position	2R3	4	0	4,980,800:79:0	
1808	99	124	16:59:21.400	175KT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,801:00:0	
1809	99	124	16:59:21.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3177.62 +/- 2	2R3	4	0	4,980,801:00:0	
1810	99	124	16:59:22.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3178.62 +/- 2	2R3	4	0	4,980,801:01:8	
1811	99	124	17:01:13.400	117CF	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,802:77:0	
1812	99	124	17:01:22.733	117CF105A106A4A	7STRP	-0.0021,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,803:00:0	
1813	99	124	17:04:55.400	117CF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,806:46:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1814	99	124	17:08:16.733	165JN4A	7SCAN	NORM,78.011999,2	Check S/P Position	2R3	4	0	4,980,809	75:0
1815	99	124	17:08:31.400	118JN	**SMOS**	GS		2R3	4	0	4,980,810	06:0
1816	99	124	17:08:48.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3178.62 +/- 2	2R3	4	0	4,980,810	32:0
1817	99	124	17:08:48.733	175JN422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,810	32:0
1818	99	124	17:08:55.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3178.62 +/- 2	2R3	4	0	4,980,810	42:0
1819	99	124	17:08:58.733	175JN176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,810	47:0
1820	99	124	17:08:59.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3184.92 +/- 2	2R3	4	0	4,980,810	48:0
1821	99	124	17:08:59.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3184.92 +/- 2	2R3	4	0	4,980,810	48:0
1822	99	124	17:09:00.066	118JN110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,810	49:0
1823	99	124	17:09:15.400	118JN110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,810	72:0
1824	99	124	17:09:30.733	118JN110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,811	04:0
1825	99	124	17:09:46.066	118JN110A111A4D	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,811	27:0
1826	99	124	17:10:01.400	118JN110A111A4E	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,811	50:0
1827	99	124	17:10:16.733	118JN11A	**SMOS**	GE		2R3	4	0	4,980,811	73:0
1828	99	124	17:10:28.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3498.98 +/- 2	2R3	4	0	4,980,812	00:0
1829	99	124	17:10:28.733	175JN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,812	00:0
1830	99	124	17:10:29.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3499.98 +/- 2	2R3	4	0	4,980,812	01:8
1831	99	124	17:12:50.066	165JJ4A	7SCAN	NORM,79.476,25.6	Check S/P Position	2R3	4	0	4,980,814	30:0
1832	99	124	17:13:21.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3499.98 +/- 2	2R3	4	0	4,980,814	77:0
1833	99	124	17:13:21.400	175JJ422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,814	77:0
1834	99	124	17:13:22.733	118JJ	**SMOS**	GS		2R3	4	0	4,980,814	79:0
1835	99	124	17:13:28.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3499.98 +/- 2	2R3	4	0	4,980,814	87:0
1836	99	124	17:13:31.400	175JJ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,815	01:0
1837	99	124	17:13:32.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3506.28 +/- 3	2R3	4	0	4,980,815	02:0
1838	99	124	17:13:32.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3506.28 +/- 2	2R3	4	0	4,980,815	02:0
1839	99	124	17:13:32.733	118JJ110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,815	03:0
1840	99	124	17:13:48.066	118JJ110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,815	26:0
1841	99	124	17:14:03.400	118JJ110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,815	49:0
1842	99	124	17:14:18.733	118JJ11A	**SMOS**	GE		2R3	4	0	4,980,815	72:0
1843	99	124	17:14:46.733	175JJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,816	23:0
1844	99	124	17:14:46.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3768.78 +/- 3	2R3	4	0	4,980,816	23:0
1845	99	124	17:14:47.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3769.78 +/- 3	2R3	4	0	4,980,816	24:8
1846	99	124	17:19:14.066	165CH4A	7SCAN	NORM,76.335999,2	Check S/P Position	2R3	4	0	4,980,820	60:0
1847	99	124	17:20:26.066	117CH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,821	77:0
1848	99	124	17:20:35.400	117CH105A106A4A	7STRP	-0.002,0.0,0,0,0	Slew =,0.02	2R3	4	0	4,980,822	00:0
1849	99	124	17:24:07.400	117CH105A106A4B	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,825	45:0
1850	99	124	17:24:38.066	117CH105A106A4C	7STRP	-0.002,0.0,0,0,0	Slew =,0.02	2R3	4	0	4,980,826	00:0
1851	99	124	17:28:10.066	117CH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,829	45:0
1852	99	124	17:32:32.733	165JO4A	7SCAN	NORM,78.757,25.6	Check S/P Position	2R3	4	0	4,980,833	75:0
1853	99	124	17:32:47.400	118JO	**SMOS**	GS		2R3	4	0	4,980,834	06:0
1854	99	124	17:33:04.733	175JO422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,834	32:0
1855	99	124	17:33:04.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3769.78 +/- 3	2R3	4	0	4,980,834	32:0
1856	99	124	17:33:11.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3769.78 +/- 3	2R3	4	0	4,980,834	42:0
1857	99	124	17:33:14.733	175JO176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,834	47:0
1858	99	124	17:33:15.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3776.08 +/- 3	2R3	4	0	4,980,834	48:0
1859	99	124	17:33:15.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3776.08 +/- 3	2R3	4	0	4,980,834	48:0
1860	99	124	17:33:16.066	118JO110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,834	49:0
1861	99	124	17:33:31.400	118JO110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,834	72:0
1862	99	124	17:33:46.733	118JO110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,835	04:0
1863	99	124	17:34:02.066	118JO110A111A4D	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,835	27:0
1864	99	124	17:34:17.400	118JO110A111A4E	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,835	50:0
1865	99	124	17:34:32.733	118JO11A	**SMOS**	GE		2R3	4	0	4,980,835	73:0
1866	99	124	17:34:36.733	165CI4A	7SCAN	NORM,76.839999,2	Check S/P Position	2R3	4	0	4,980,835	79:0
1867	99	124	17:34:44.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4090.14 +/- 3	2R3	4	0	4,980,836	00:0
1868	99	124	17:34:44.733	175JO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,836	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	99	124	17:34:45.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4091.14 +/- 3	2R3	4	0	4,980,836	01:8
1870	99	124	17:37:06.066	165JK4A	7SCAN	NORM,80.209,25.7	Check S/P Position	2R3	4	0	4,980,838	30:0
1871	99	124	17:37:37.400	175JK422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,838	77:0
1872	99	124	17:37:37.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4091.14 +/- 3	2R3	4	0	4,980,838	77:0
1873	99	124	17:37:38.733	118JK	**SMOS**	GS		2R3	4	0	4,980,838	79:0
1874	99	124	17:37:44.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4091.14 +/- 3	2R3	4	0	4,980,838	87:0
1875	99	124	17:37:47.400	175JK176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,839	01:0
1876	99	124	17:37:48.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4097.44 +/- 3	2R3	4	0	4,980,839	02:0
1877	99	124	17:37:48.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4097.44 +/- 3	2R3	4	0	4,980,839	02:0
1878	99	124	17:37:48.733	118JK110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,839	03:0
1879	99	124	17:38:04.066	118JK110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,839	26:0
1880	99	124	17:38:19.400	118JK110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,839	49:0
1881	99	124	17:38:34.733	118JK11A	**SMOS**	GE		2R3	4	0	4,980,839	72:0
1882	99	124	17:39:02.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4359.94 +/- 3	2R3	4	0	4,980,840	23:0
1883	99	124	17:39:02.733	175JK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,840	23:0
1884	99	124	17:39:03.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4360.94 +/- 3	2R3	4	0	4,980,840	24:8
1885	99	124	17:39:33.400	165CJ4A	7SCAN	NORM,77.002999,2	Check S/P Position	2R3	4	0	4,980,840	69:0
1886	99	124	17:39:52.066	117CJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,841	06:0
1887	99	124	17:40:18.066	117CJ105A106A4A	7STRP	-0.002,0.0,0,0,0	Slew =,0.02	2R3	4	0	4,980,841	45:0
1888	99	124	17:43:50.066	117CJ105A106A4B	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,844	90:0
1889	99	124	17:44:20.733	117CJ105A106A4C	7STRP	-0.002,0.0,0,0,0	Slew =,0.02	2R3	4	0	4,980,845	45:0
1890	99	124	17:47:52.733	117CJ105A106A4D	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,848	90:0
1891	99	124	17:48:23.400	117CJ105A106A4E	7STRP	-0.002,0.0,0,0,0	Slew =,0.02	2R3	4	0	4,980,849	45:0
1892	99	124	17:51:55.400	117CJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,852	90:0
1893	99	124	17:53:16.733	165JT4A	7SCAN	NORM,77.721,25.5	Check S/P Position	2R3	4	0	4,980,854	30:0
1894	99	124	17:53:48.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4360.94 +/- 3	2R3	4	0	4,980,854	77:0
1895	99	124	17:53:48.066	175JT422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,854	77:0
1896	99	124	17:53:49.400	118JT	**SMOS**	GS		2R3	4	0	4,980,854	79:0
1897	99	124	17:53:54.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4360.94 +/- 3	2R3	4	0	4,980,854	87:0
1898	99	124	17:53:58.066	175JT176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,855	01:0
1899	99	124	17:53:58.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4367.24 +/- 3	2R3	4	0	4,980,855	02:0
1900	99	124	17:53:58.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4367.24 +/- 3	2R3	4	0	4,980,855	02:0
1901	99	124	17:53:59.400	118JT110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,855	03:0
1902	99	124	17:54:14.733	118JT110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,855	26:0
1903	99	124	17:54:30.066	118JT110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,855	49:0
1904	99	124	17:54:45.400	118JT11A	**SMOS**	GE		2R3	4	0	4,980,855	72:0
1905	99	124	17:54:58.066	175JT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,856	00:0
1906	99	124	17:54:58.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4575.84 +/- 3	2R3	4	0	4,980,856	00:0
1907	99	124	17:54:59.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4576.84 +/- 3	2R3	4	0	4,980,856	01:8
1908	99	124	17:56:48.733	165JP4A	7SCAN	NORM,79.481,25.6	Check S/P Position	2R3	4	0	4,980,857	75:0
1909	99	124	17:57:03.400	118JP	**SMOS**	GS		2R3	4	0	4,980,858	06:0
1910	99	124	17:57:20.733	175JP422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,858	32:0
1911	99	124	17:57:20.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4576.84 +/- 3	2R3	4	0	4,980,858	32:0
1912	99	124	17:57:27.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4576.84 +/- 3	2R3	4	0	4,980,858	42:0
1913	99	124	17:57:30.733	175JP176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,858	47:0
1914	99	124	17:57:31.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4583.14 +/- 3	2R3	4	0	4,980,858	48:0
1915	99	124	17:57:31.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4583.14 +/- 3	2R3	4	0	4,980,858	48:0
1916	99	124	17:57:32.066	118JP110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,858	49:0
1917	99	124	17:57:47.400	118JP110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,858	72:0
1918	99	124	17:58:02.733	118JP110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,859	04:0
1919	99	124	17:58:18.066	118JP110A111A4D	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,859	27:0
1920	99	124	17:58:33.400	118JP110A111A4E	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,859	50:0
1921	99	124	17:58:48.733	118JP11A	**SMOS**	GE		2R3	4	0	4,980,859	73:0
1922	99	124	17:59:00.733	175JP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,860	00:0
1923	99	124	17:59:00.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4897.20 +/- 3	2R3	4	0	4,980,860	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1924	99	124	17:59:01.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4898.20 +/- 3	2R3	4	0	4,980,860	01:8
1925	99	124	18:01:22.066	165JL4A	7SCAN	NORM,80.922999,2	Check S/P Position	2R3	4	0	4,980,862	30:0
1926	99	124	18:01:53.400	175JL422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,862	77:0
1927	99	124	18:01:53.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4898.20 +/- 3	2R3	4	0	4,980,862	77:0
1928	99	124	18:01:54.733	118JL	**SMOS**	GS		2R3	4	0	4,980,862	79:0
1929	99	124	18:02:00.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4898.20 +/- 3	2R3	4	0	4,980,862	87:0
1930	99	124	18:02:03.400	175JL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,863	01:0
1931	99	124	18:02:04.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4904.50 +/- 3	2R3	4	0	4,980,863	02:0
1932	99	124	18:02:04.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4904.50 +/- 3	2R3	4	0	4,980,863	02:0
1933	99	124	18:02:04.733	118JL110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,863	03:0
1934	99	124	18:02:20.066	118JL110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,863	26:0
1935	99	124	18:02:35.400	118JL110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,863	49:0
1936	99	124	18:02:50.733	118JL11A	**SMOS**	GE		2R3	4	0	4,980,863	72:0
1937	99	124	18:03:18.733	175JL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,864	23:0
1938	99	124	18:03:18.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5167.00 +/- 3	2R3	4	0	4,980,864	23:0
1939	99	124	18:03:19.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5168.00 +/- 3	2R3	4	0	4,980,864	24:8
1940	99	124	18:03:49.400	165CK4A	7SCAN	NORM,78.976999,2	Check S/P Position	2R3	4	0	4,980,864	69:0
1941	99	124	18:07:46.066	165CL4A	7SCAN	NORM,77.919999,2	Check S/P Position	2R3	4	0	4,980,868	60:0
1942	99	124	18:08:58.066	117CL	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,869	77:0
1943	99	124	18:09:07.400	117CL105A106A4A	7STRP	-0.0019,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,870	00:0
1944	99	124	18:12:39.400	117CL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,873	45:0
1945	99	124	18:14:15.400	165LT4A	7SCAN	NORM,78.205999,2	Check S/P Position	2R3	4	0	4,980,875	07:0
1946	99	124	18:14:47.400	175LT422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,875	55:0
1947	99	124	18:14:47.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5168.00 +/- 3	2R3	4	0	4,980,875	55:0
1948	99	124	18:14:54.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5168.00 +/- 3	2R3	4	0	4,980,875	65:0
1949	99	124	18:14:57.400	175LT176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,875	70:0
1950	99	124	18:14:58.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5174.30 +/- 3	2R3	4	0	4,980,875	71:0
1951	99	124	18:14:58.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5174.30 +/- 3	2R3	4	0	4,980,875	71:0
1952	99	124	18:15:03.400	165CM4A	7SCAN	NORM,78.139,25.9	Check S/P Position	2R3	4	0	4,980,875	79:0
1953	99	124	18:15:11.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5221.17 +/- 3	2R3	4	0	4,980,876	00:0
1954	99	124	18:15:11.400	175LT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,876	00:0
1955	99	124	18:15:12.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5222.17 +/- 3	2R3	4	0	4,980,876	01:8
1956	99	124	18:17:32.733	165JU4A	7SCAN	NORM,78.455,25.6	Check S/P Position	2R3	4	0	4,980,878	30:0
1957	99	124	18:18:04.066	175JU422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,878	77:0
1958	99	124	18:18:04.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5222.17 +/- 3	2R3	4	0	4,980,878	77:0
1959	99	124	18:18:05.400	118JU	**SMOS**	GS		2R3	4	0	4,980,878	79:0
1960	99	124	18:18:10.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5222.17 +/- 3	2R3	4	0	4,980,878	87:0
1961	99	124	18:18:14.066	175JU176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,879	01:0
1962	99	124	18:18:14.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5228.47 +/- 3	2R3	4	0	4,980,879	02:0
1963	99	124	18:18:14.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5228.47 +/- 3	2R3	4	0	4,980,879	02:0
1964	99	124	18:18:15.400	118JU110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,879	03:0
1965	99	124	18:18:30.733	118JU110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,879	26:0
1966	99	124	18:18:46.066	118JU110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,879	49:0
1967	99	124	18:19:01.400	118JU11A	**SMOS**	GE		2R3	4	0	4,980,879	72:0
1968	99	124	18:19:14.066	175JU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,880	00:0
1969	99	124	18:19:14.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5437.07 +/- 3	2R3	4	0	4,980,880	00:0
1970	99	124	18:19:15.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5438.07 +/- 3	2R3	4	0	4,980,880	01:8
1971	99	124	18:21:04.733	165JQ4A	7SCAN	NORM,80.200999,2	Check S/P Position	2R3	4	0	4,980,881	75:0
1972	99	124	18:21:19.400	118JQ	**SMOS**	GS		2R3	4	0	4,980,882	06:0
1973	99	124	18:21:36.733	175JQ422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,882	32:0
1974	99	124	18:21:36.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5438.07 +/- 3	2R3	4	0	4,980,882	32:0
1975	99	124	18:21:43.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5438.07 +/- 3	2R3	4	0	4,980,882	42:0
1976	99	124	18:21:46.733	175JQ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,882	47:0
1977	99	124	18:21:47.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5444.37 +/- 3	2R3	4	0	4,980,882	48:0
1978	99	124	18:21:47.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5444.37 +/- 3	2R3	4	0	4,980,882	48:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1979	99	124	18:21:48.066	118JQ110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,882:49:0	
1980	99	124	18:22:03.400	118JQ110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,882:72:0	
1981	99	124	18:22:18.733	118JQ110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,883:04:0	
1982	99	124	18:22:34.066	118JQ110A111A4D	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,883:27:0	
1983	99	124	18:22:49.400	118JQ110A111A4E	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,883:50:0	
1984	99	124	18:23:04.733	118JQ11A	**SMOS**	GE		2R3	4	0	4,980,883:73:0	
1985	99	124	18:23:08.733	165CN4A	7SCAN	NORM,78.403,26.0	Check S/P Position	2R3	4	0	4,980,883:79:0	
1986	99	124	18:23:16.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5758.43 +/- 3	2R3	4	0	4,980,884:00:0	
1987	99	124	18:23:16.733	175JQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,884:00:0	
1988	99	124	18:23:17.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5759.43 +/- 3	2R3	4	0	4,980,884:01:8	
1989	99	124	18:24:08.066	117CN	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,884:77:0	
1990	99	124	18:24:17.400	117CN105A106A4A	7STRP	-0.0019,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,885:00:0	
1991	99	124	18:27:49.400	117CN105A106A4B	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,888:45:0	
1992	99	124	18:28:20.066	117CN105A106A4C	7STRP	-0.0019,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,889:00:0	
1993	99	124	18:31:52.066	117CN105A106A4D	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,892:45:0	
1994	99	124	18:32:22.733	117CN105A106A4E	7STRP	-0.0019,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,893:00:0	
1995	99	124	18:35:54.733	117CN105A106A4F	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,896:45:0	
1996	99	124	18:36:25.400	117CN105A106A4G	7STRP	-0.0019,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,897:00:0	
1997	99	124	18:39:57.400	117CN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,900:45:0	
1998	99	124	18:41:48.733	165JV4A	7SCAN	NORM,79.165999,2	Check S/P Position	2R3	4	0	4,980,902:30:0	
1999	99	124	18:42:20.066	175JV422A6A	6DMSC	R115,3	DMS Control	2R3	4	0	4,980,902:77:0	
2000	99	124	18:42:20.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5759.43 +/- 3	2R3	4	0	4,980,902:77:0	
2001	99	124	18:42:21.400	118JV	**SMOS**	GS		2R3	4	0	4,980,902:79:0	
2002	99	124	18:42:26.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5759.43 +/- 3	2R3	4	0	4,980,902:87:0	
2003	99	124	18:42:30.066	175JV176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,903:01:0	
2004	99	124	18:42:30.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5765.73 +/- 3	2R3	4	0	4,980,903:02:0	
2005	99	124	18:42:30.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5765.73 +/- 3	2R3	4	0	4,980,903:02:0	
2006	99	124	18:42:31.400	118JV110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,903:03:0	
2007	99	124	18:42:46.733	118JV110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,903:26:0	
2008	99	124	18:43:02.066	118JV110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,903:49:0	
2009	99	124	18:43:17.400	118JV11A	**SMOS**	GE		2R3	4	0	4,980,903:72:0	
2010	99	124	18:43:30.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5974.32 +/- 3	2R3	4	0	4,980,904:00:0	
2011	99	124	18:43:30.066	175JV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,904:00:0	
2012	99	124	18:43:31.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5975.32 +/- 3	2R3	4	0	4,980,904:01:8	
2013	99	124	18:44:47.400		DMS:	: READY	RDY, TRACK *4, *REV, TIC 5975.32 +/- 3	2R3	4	0	4,980,905:25:0	
2014	99	124	18:44:47.400	465KC6A	6DMSC	RDY,4	DMS Control Tape stop	2R3	4	0	4,980,905:25:0	
2015	99	124	18:45:20.733	165JR4A	7SCAN	NORM,80.900999,2	Check S/P Position	2R3	4	0	4,980,905:75:0	
2016	99	124	18:45:35.400	118JR	**SMOS**	GS		2R3	4	0	4,980,906:06:0	
2017	99	124	18:45:51.400	175JR422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,906:30:0	
2018	99	124	18:45:51.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5975.32 +/- 3	2R3	4	0	4,980,906:30:0	
2019	99	124	18:45:52.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5975.44 +/- 3	2R3	4	0	4,980,906:32:1	
2020	99	124	18:45:58.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5976.68 +/- 3	2R3	4	0	4,980,906:40:0	
2021	99	124	18:45:59.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5976.74 +/- 3	2R3	4	0	4,980,906:41:8	
2022	99	124	18:46:02.733	175JR176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,906:47:0	
2023	99	124	18:46:03.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5970.44 +/- 3	2R3	4	0	4,980,906:47:8	
2024	99	124	18:46:03.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5970.44 +/- 3	2R3	4	0	4,980,906:47:8	
2025	99	124	18:46:04.066	118JR110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,906:49:0	
2026	99	124	18:46:19.400	118JR110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,906:72:0	
2027	99	124	18:46:34.733	118JR110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,907:04:0	
2028	99	124	18:46:50.066	118JR110A111A4D	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,907:27:0	
2029	99	124	18:47:05.400	118JR110A111A4E	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,907:50:0	
2030	99	124	18:47:20.733	118JR11A	**SMOS**	GE		2R3	4	0	4,980,907:73:0	
2031	99	124	18:47:24.733	165CO4A	7SCAN	NORM,78.665999,2	Check S/P Position	2R3	4	0	4,980,907:79:0	
2032	99	124	18:47:32.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *5655.91 +/- 3	2R3	4	0	4,980,908:00:0	
2033	99	124	18:47:32.733	175JR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,908:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2034	99	124	18:47:33.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5654.91 +/- 3	2R3	4	0	4,980,908	01:8
2035	99	124	18:49:39.400	488AI6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	4,980,910	08:0
2036	99	124	18:51:11.400	165CP4A	7SCAN	NORM,79.558,24.1	Check S/P Position	2R3	4	0	4,980,911	55:0
2037	99	124	18:51:39.400	117CP	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,912	06:0
2038	99	124	18:52:05.400	117CP105A106A4A	7STRP	-0.0017,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,912	45:0
2039	99	124	18:55:37.400	117CP105A106A4B	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,915	90:0
2040	99	124	18:56:08.066	117CP105A106A4C	7STRP	-0.0017,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,916	45:0
2041	99	124	18:59:40.066	117CP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,919	90:0
2042	99	124	19:01:01.400	165KH4A	7SCAN	NORM,77.523,25.5	Check S/P Position	2R3	4	0	4,980,921	30:0
2043	99	124	19:01:40.733	165KH4B	7VECT		Inert vect update UTC	2R3	4	0	4,980,921	89:0
2044	99	124	19:01:46.066	118KH	**SMOS**	GS		2R3	4	0	4,980,922	06:0
2045	99	124	19:01:46.733	175KH422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,922	07:0
2046	99	124	19:01:46.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5654.91 +/- 3	2R3	4	0	4,980,922	07:0
2047	99	124	19:01:48.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5655.03 +/- 3	2R3	4	0	4,980,922	09:1
2048	99	124	19:01:53.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5656.26 +/- 3	2R3	4	0	4,980,922	17:0
2049	99	124	19:01:54.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5656.32 +/- 3	2R3	4	0	4,980,922	18:8
2050	99	124	19:01:58.066	175KH176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,922	24:0
2051	99	124	19:01:58.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5650.02 +/- 3	2R3	4	0	4,980,922	24:8
2052	99	124	19:01:58.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5650.02 +/- 3	2R3	4	0	4,980,922	24:8
2053	99	124	19:01:59.400	118KH110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,922	26:0
2054	99	124	19:02:12.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *5600.33 +/- 3	2R3	4	0	4,980,922	46:0
2055	99	124	19:02:12.733	175KH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,922	46:0
2056	99	124	19:02:13.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5599.33 +/- 3	2R3	4	0	4,980,922	47:8
2057	99	124	19:03:18.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5599.33 +/- 3	2R3	4	0	4,980,923	53:0
2058	99	124	19:03:18.066	175LH422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,923	53:0
2059	99	124	19:03:19.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5599.45 +/- 3	2R3	4	0	4,980,923	55:1
2060	99	124	19:03:24.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5600.69 +/- 3	2R3	4	0	4,980,923	63:0
2061	99	124	19:03:25.933		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5600.75 +/- 3	2R3	4	0	4,980,923	64:8
2062	99	124	19:03:29.400	175LH176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,923	70:0
2063	99	124	19:03:29.933		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5594.45 +/- 3	2R3	4	0	4,980,923	70:8
2064	99	124	19:03:29.933		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5594.45 +/- 3	2R3	4	0	4,980,923	70:8
2065	99	124	19:03:30.733	118KH11A	**SMOS**	GE		2R3	4	0	4,980,923	72:0
2066	99	124	19:03:35.400	165CQ4A	7SCAN	NORM,79.914,24.1	Check S/P Position	2R3	4	0	4,980,923	79:0
2067	99	124	19:03:43.400		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *5547.10 +/- 3	2R3	4	0	4,980,924	00:0
2068	99	124	19:03:43.400	175LH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,924	00:0
2069	99	124	19:03:44.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5546.10 +/- 3	2R3	4	0	4,980,924	01:8
2070	99	124	19:06:04.733	165JW4A	7SCAN	NORM,79.875999,2	Check S/P Position	2R3	4	0	4,980,926	30:0
2071	99	124	19:06:34.733	175JW422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,926	75:0
2072	99	124	19:06:34.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5546.10 +/- 3	2R3	4	0	4,980,926	75:0
2073	99	124	19:06:36.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5546.22 +/- 3	2R3	4	0	4,980,926	77:1
2074	99	124	19:06:37.400	118JW	**SMOS**	GS		2R3	4	0	4,980,926	79:0
2075	99	124	19:06:41.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5547.46 +/- 3	2R3	4	0	4,980,926	85:0
2076	99	124	19:06:42.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5547.52 +/- 3	2R3	4	0	4,980,926	86:8
2077	99	124	19:06:46.066	175JW176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,927	01:0
2078	99	124	19:06:46.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5541.22 +/- 3	2R3	4	0	4,980,927	01:8
2079	99	124	19:06:46.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5541.22 +/- 3	2R3	4	0	4,980,927	01:8
2080	99	124	19:06:47.400	118JW110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,927	03:0
2081	99	124	19:07:02.733	118JW110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,927	26:0
2082	99	124	19:07:18.066	118JW110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,927	49:0
2083	99	124	19:07:33.400	118JW11A	**SMOS**	GE		2R3	4	0	4,980,927	72:0
2084	99	124	19:07:34.066	165CR4A	7SCAN	NORM,80.037999,2	Check S/P Position	2R3	4	0	4,980,927	73:0
2085	99	124	19:07:46.066	175JW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,928	00:0
2086	99	124	19:07:46.066		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *5332.16 +/- 3	2R3	4	0	4,980,928	00:0
2087	99	124	19:07:47.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5331.16 +/- 3	2R3	4	0	4,980,928	01:8
2088	99	124	19:14:10.066	165IH4A	7SCAN	NORM,83.261,24.5	Check S/P Position	2R3	4	0	4,980,934	30:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2089	99	124	19:14:40.066	175IH422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,934	75:0
2090	99	124	19:14:40.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5331.16 +/- 3	2R3	4	0	4,980,934	75:0
2091	99	124	19:14:41.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5331.28 +/- 3	2R3	4	0	4,980,934	77:1
2092	99	124	19:14:42.733	118IH	**SMOS**	GS		2R3	4	0	4,980,934	79:0
2093	99	124	19:14:46.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5332.51 +/- 3	2R3	4	0	4,980,934	85:0
2094	99	124	19:14:47.933		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5332.57 +/- 3	2R3	4	0	4,980,934	86:8
2095	99	124	19:14:51.400	175IH176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,935	01:0
2096	99	124	19:14:51.933		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5326.27 +/- 3	2R3	4	0	4,980,935	01:8
2097	99	124	19:14:51.933		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5326.27 +/- 4	2R3	4	0	4,980,935	01:8
2098	99	124	19:14:52.733	118IH110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,935	03:0
2099	99	124	19:15:08.066	118IH110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,935	26:0
2100	99	124	19:15:23.400	118IH110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,935	49:0
2101	99	124	19:15:38.733	118IH11A	**SMOS**	GE		2R3	4	0	4,980,935	72:0
2102	99	124	19:15:43.400	165CS4A	7SCAN	NORM,80.278999,2	Check S/P Position	2R3	4	0	4,980,935	79:0
2103	99	124	19:15:51.400	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,936	00:0
2104	99	124	19:15:51.400		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *5117.21 +/- 4	2R3	4	0	4,980,936	00:0
2105	99	124	19:15:52.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5116.21 +/- 4	2R3	4	0	4,980,936	01:8
2106	99	124	19:15:55.400	117CS	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,936	06:0
2107	99	124	19:16:21.400	117CS105A106A4A	7STRP	-0.0017,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,936	45:0
2108	99	124	19:19:53.400	117CS105A106A4B	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,980,939	90:0
2109	99	124	19:20:24.066	117CS105A106A4C	7STRP	-0.0017,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,940	45:0
2110	99	124	19:23:56.066	117CS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,943	90:0
2111	99	124	19:25:17.400	165KI4A	7SCAN	NORM,78.237,25.5	Check S/P Position	2R3	4	0	4,980,945	30:0
2112	99	124	19:25:56.733	165KI4B	7VECT		Inert vect update UTC	2R3	4	0	4,980,945	89:0
2113	99	124	19:26:02.066	118KI	**SMOS**	GS		2R3	4	0	4,980,946	06:0
2114	99	124	19:26:02.733	175KI422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,946	07:0
2115	99	124	19:26:02.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5116.21 +/- 4	2R3	4	0	4,980,946	07:0
2116	99	124	19:26:04.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5116.33 +/- 4	2R3	4	0	4,980,946	09:1
2117	99	124	19:26:09.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5117.56 +/- 4	2R3	4	0	4,980,946	17:0
2118	99	124	19:26:10.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5117.62 +/- 4	2R3	4	0	4,980,946	18:8
2119	99	124	19:26:14.066	175KI176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,946	24:0
2120	99	124	19:26:14.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5111.32 +/- 4	2R3	4	0	4,980,946	24:8
2121	99	124	19:26:14.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5111.32 +/- 4	2R3	4	0	4,980,946	24:8
2122	99	124	19:26:15.400	118KI110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,946	26:0
2123	99	124	19:26:28.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *5061.64 +/- 4	2R3	4	0	4,980,946	46:0
2124	99	124	19:26:28.733	175KI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,946	46:0
2125	99	124	19:26:29.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5060.64 +/- 4	2R3	4	0	4,980,946	47:8
2126	99	124	19:27:34.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5060.64 +/- 4	2R3	4	0	4,980,947	53:0
2127	99	124	19:27:34.066	175LI422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,947	53:0
2128	99	124	19:27:35.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5060.76 +/- 4	2R3	4	0	4,980,947	55:1
2129	99	124	19:27:40.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5061.99 +/- 4	2R3	4	0	4,980,947	63:0
2130	99	124	19:27:41.933		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5062.05 +/- 4	2R3	4	0	4,980,947	64:8
2131	99	124	19:27:45.400	175LI176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,947	70:0
2132	99	124	19:27:45.933		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5055.75 +/- 4	2R3	4	0	4,980,947	70:8
2133	99	124	19:27:45.933		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5055.75 +/- 4	2R3	4	0	4,980,947	70:8
2134	99	124	19:27:46.733	118KI11A	**SMOS**	GE		2R3	4	0	4,980,947	72:0
2135	99	124	19:27:59.400		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *5008.41 +/- 4	2R3	4	0	4,980,948	00:0
2136	99	124	19:27:59.400	175LI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,948	00:0
2137	99	124	19:28:00.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5007.41 +/- 4	2R3	4	0	4,980,948	01:8
2138	99	124	19:30:20.733	165JX4A	7SCAN	NORM,80.565,25.7	Check S/P Position	2R3	4	0	4,980,950	30:0
2139	99	124	19:30:50.733	175JX422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,950	75:0
2140	99	124	19:30:50.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5007.41 +/- 4	2R3	4	0	4,980,950	75:0
2141	99	124	19:30:52.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5007.53 +/- 4	2R3	4	0	4,980,950	77:1
2142	99	124	19:30:53.400	118JX	**SMOS**	GS		2R3	4	0	4,980,950	79:0
2143	99	124	19:30:57.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5008.76 +/- 4	2R3	4	0	4,980,950	85:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2144	99	124	19:30:58.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5008.82 +/- 4	2R3	4	0	4,980,950	86:8
2145	99	124	19:31:02.066	175JX176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,951	01:0
2146	99	124	19:31:02.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5002.52 +/- 4	2R3	4	0	4,980,951	01:8
2147	99	124	19:31:02.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5002.52 +/- 4	2R3	4	0	4,980,951	01:8
2148	99	124	19:31:03.400	118JX110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,951	03:0
2149	99	124	19:31:18.733	118JX110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,951	26:0
2150	99	124	19:31:34.066	118JX110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,951	49:0
2151	99	124	19:31:49.400	118JX11A	**SMOS**	GE		2R3	4	0	4,980,951	72:0
2152	99	124	19:31:50.066	165CT4A	7SCAN	NORM,80.757,24.2	Check S/P Position	2R3	4	0	4,980,951	73:0
2153	99	124	19:32:02.066		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4793.46 +/- 4	2R3	4	0	4,980,952	00:0
2154	99	124	19:32:02.066	175JX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,952	00:0
2155	99	124	19:32:03.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4792.46 +/- 4	2R3	4	0	4,980,952	01:8
2156	99	124	19:32:53.400	117CT	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,952	77:0
2157	99	124	19:33:02.733	117CT105A106A4A	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,953	00:0
2158	99	124	19:36:34.733	117CT11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,956	45:0
2159	99	124	19:39:26.733	165II4A	7SCAN	NORM,83.94,24.58	Check S/P Position	2R3	4	0	4,980,959	30:0
2160	99	124	19:39:56.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4792.46 +/- 4	2R3	4	0	4,980,959	75:0
2161	99	124	19:39:56.733	175II422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,959	75:0
2162	99	124	19:39:58.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4792.58 +/- 4	2R3	4	0	4,980,959	77:1
2163	99	124	19:39:59.400	118II	**SMOS**	GS		2R3	4	0	4,980,959	79:0
2164	99	124	19:40:03.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4793.81 +/- 4	2R3	4	0	4,980,959	85:0
2165	99	124	19:40:04.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4793.87 +/- 4	2R3	4	0	4,980,959	86:8
2166	99	124	19:40:08.066	175II176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,960	01:0
2167	99	124	19:40:08.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4787.57 +/- 4	2R3	4	0	4,980,960	01:8
2168	99	124	19:40:08.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4787.57 +/- 4	2R3	4	0	4,980,960	01:8
2169	99	124	19:40:09.400	118II110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,960	03:0
2170	99	124	19:40:24.733	118II110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,960	26:0
2171	99	124	19:40:40.066	118II110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,960	49:0
2172	99	124	19:40:55.400	118II11A	**SMOS**	GE		2R3	4	0	4,980,960	72:0
2173	99	124	19:41:00.066	165CU4A	7SCAN	NORM,81.014999,2	Check S/P Position	2R3	4	0	4,980,960	79:0
2174	99	124	19:41:08.066	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,961	00:0
2175	99	124	19:41:08.066		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4578.51 +/- 4	2R3	4	0	4,980,961	00:0
2176	99	124	19:41:09.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4577.51 +/- 4	2R3	4	0	4,980,961	01:8
2177	99	124	19:42:59.400	488AI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,980,962	76:0
2178	99	124	19:44:14.733	165KU4A	7SCAN	NORM,83.162999,2	Check S/P Position	2R3	4	0	4,980,964	07:0
2179	99	124	19:44:45.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4577.51 +/- 4	2R3	4	0	4,980,964	53:0
2180	99	124	19:44:45.400	175KU422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,964	53:0
2181	99	124	19:44:46.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4577.63 +/- 4	2R3	4	0	4,980,964	55:1
2182	99	124	19:44:52.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4578.86 +/- 4	2R3	4	0	4,980,964	63:0
2183	99	124	19:44:53.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4578.92 +/- 4	2R3	4	0	4,980,964	64:8
2184	99	124	19:44:56.733	175KU176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,964	70:0
2185	99	124	19:44:57.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4572.62 +/- 4	2R3	4	0	4,980,964	70:8
2186	99	124	19:44:57.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4572.62 +/- 4	2R3	4	0	4,980,964	70:8
2187	99	124	19:45:02.733	165CV4A	7SCAN	NORM,81.136,24.2	Check S/P Position	2R3	4	0	4,980,964	79:0
2188	99	124	19:45:10.733	175KU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,965	00:0
2189	99	124	19:45:10.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4525.28 +/- 4	2R3	4	0	4,980,965	00:0
2190	99	124	19:45:11.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4524.28 +/- 4	2R3	4	0	4,980,965	01:8
2191	99	124	19:49:33.400	165KJ4A	7SCAN	NORM,78.931999,2	Check S/P Position	2R3	4	0	4,980,969	30:0
2192	99	124	19:50:12.733	165KJ4B	7VECT		Inert vect update UTC	2R3	4	0	4,980,969	89:0
2193	99	124	19:50:18.066	118KJ	**SMOS**	GS		2R3	4	0	4,980,970	06:0
2194	99	124	19:50:18.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4524.28 +/- 4	2R3	4	0	4,980,970	07:0
2195	99	124	19:50:18.733	175KJ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,970	07:0
2196	99	124	19:50:20.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4524.40 +/- 4	2R3	4	0	4,980,970	09:1
2197	99	124	19:50:25.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4525.64 +/- 4	2R3	4	0	4,980,970	17:0
2198	99	124	19:50:26.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4525.70 +/- 4	2R3	4	0	4,980,970	18:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2199	99	124	19:50:30.066	175KJ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,970	24:0
2200	99	124	19:50:30.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4519.40 +/- 4	2R3	4	0	4,980,970	24:8
2201	99	124	19:50:30.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4519.40 +/- 4	2R3	4	0	4,980,970	24:8
2202	99	124	19:50:31.400	118KJ110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,970	26:0
2203	99	124	19:50:44.733	175KJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,970	46:0
2204	99	124	19:50:44.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4469.71 +/- 4	2R3	4	0	4,980,970	46:0
2205	99	124	19:50:45.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4468.71 +/- 4	2R3	4	0	4,980,970	47:8
2206	99	124	19:51:50.066	175LJ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,971	53:0
2207	99	124	19:51:50.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4468.71 +/- 4	2R3	4	0	4,980,971	53:0
2208	99	124	19:51:51.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4468.83 +/- 4	2R3	4	0	4,980,971	55:1
2209	99	124	19:51:56.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4470.06 +/- 4	2R3	4	0	4,980,971	63:0
2210	99	124	19:51:57.933		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4470.12 +/- 4	2R3	4	0	4,980,971	64:8
2211	99	124	19:52:01.400	175LJ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,971	70:0
2212	99	124	19:52:01.933		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4463.82 +/- 4	2R3	4	0	4,980,971	70:8
2213	99	124	19:52:01.933		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4463.82 +/- 4	2R3	4	0	4,980,971	70:8
2214	99	124	19:52:02.733	118KJ11A	**SMOS**	GE		2R3	4	0	4,980,971	72:0
2215	99	124	19:52:05.400	165CW4A	7SCAN	NORM,81.341,24.2	Check S/P Position	2R3	4	0	4,980,971	76:0
2216	99	124	19:52:15.400	175LJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,972	00:0
2217	99	124	19:52:15.400		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4416.48 +/- 4	2R3	4	0	4,980,972	00:0
2218	99	124	19:52:16.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4415.48 +/- 4	2R3	4	0	4,980,972	01:8
2219	99	124	19:54:07.400	117CW	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,980,973	77:0
2220	99	124	19:54:16.733	117CW105A106A4A	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,980,974	00:0
2221	99	124	19:57:48.733	117CW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,980,977	45:0
2222	99	124	20:00:10.066	165IN4A	7SCAN	NORM,83.351999,2	Check S/P Position	2R3	4	0	4,980,979	75:0
2223	99	124	20:00:24.733	118IN	**SMOS**	GS		2R3	4	0	4,980,980	06:0
2224	99	124	20:00:40.733	175IN422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,980	30:0
2225	99	124	20:00:40.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4415.48 +/- 4	2R3	4	0	4,980,980	30:0
2226	99	124	20:00:42.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4415.60 +/- 4	2R3	4	0	4,980,980	32:1
2227	99	124	20:00:47.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4416.83 +/- 4	2R3	4	0	4,980,980	40:0
2228	99	124	20:00:48.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4416.89 +/- 4	2R3	4	0	4,980,980	41:8
2229	99	124	20:00:52.066	175IN176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,980	47:0
2230	99	124	20:00:52.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4410.59 +/- 4	2R3	4	0	4,980,980	47:8
2231	99	124	20:00:52.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4410.59 +/- 4	2R3	4	0	4,980,980	47:8
2232	99	124	20:00:53.400	118IN110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,980	49:0
2233	99	124	20:01:08.733	118IN110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,980	72:0
2234	99	124	20:01:24.066	118IN110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,981	04:0
2235	99	124	20:01:39.400	118IN110A111A4D	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,981	27:0
2236	99	124	20:01:54.733	118IN110A111A4E	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,981	50:0
2237	99	124	20:02:10.066	118IN11A	**SMOS**	GE		2R3	4	0	4,980,981	73:0
2238	99	124	20:02:22.066		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4096.06 +/- 4	2R3	4	0	4,980,982	00:0
2239	99	124	20:02:22.066	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,982	00:0
2240	99	124	20:02:23.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4095.06 +/- 4	2R3	4	0	4,980,982	01:8
2241	99	124	20:04:43.400	165IJ4A	7SCAN	NORM,84.601999,2	Check S/P Position	2R3	4	0	4,980,984	30:0
2242	99	124	20:05:13.400	175IJ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,984	75:0
2243	99	124	20:05:13.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4095.06 +/- 4	2R3	4	0	4,980,984	75:0
2244	99	124	20:05:14.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4095.18 +/- 4	2R3	4	0	4,980,984	77:1
2245	99	124	20:05:16.066	118IJ	**SMOS**	GS		2R3	4	0	4,980,984	79:0
2246	99	124	20:05:20.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4096.42 +/- 4	2R3	4	0	4,980,984	85:0
2247	99	124	20:05:21.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4096.48 +/- 4	2R3	4	0	4,980,984	86:8
2248	99	124	20:05:24.733	175IJ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,985	01:0
2249	99	124	20:05:25.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4090.18 +/- 4	2R3	4	0	4,980,985	01:8
2250	99	124	20:05:25.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4090.18 +/- 4	2R3	4	0	4,980,985	01:8
2251	99	124	20:05:26.066	118IJ110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,985	03:0
2252	99	124	20:05:41.400	118IJ110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,980,985	26:0
2253	99	124	20:05:56.733	118IJ110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,985	49:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2254	99	124	20:06:12.066	118IJ11A	**SMOS**	GE		2R3	4	0	4,980,985	72:0
2255	99	124	20:06:14.733	165QR4A	7SCAN	NORM,79.712999,2	Check S/P Position	2R3	4	0	4,980,985	76:0
2256	99	124	20:06:24.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3881.11 +/- 4	2R3	4	0	4,980,986	00:0
2257	99	124	20:06:24.733	175IJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,986	00:0
2258	99	124	20:06:25.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3880.11 +/- 4	2R3	4	0	4,980,986	01:8
2259	99	124	20:07:24.066	165QR4B	7VECT		Inert vect update UTC	2R3	4	0	4,980,986	89:0
2260	99	124	20:08:21.400	175QR422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,987	84:0
2261	99	124	20:08:21.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3880.11 +/- 4	2R3	4	0	4,980,987	84:0
2262	99	124	20:08:22.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3880.23 +/- 4	2R3	4	0	4,980,987	86:1
2263	99	124	20:08:28.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3881.47 +/- 4	2R3	4	0	4,980,988	03:0
2264	99	124	20:08:29.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *3881.53 +/- 4	2R3	4	0	4,980,988	04:8
2265	99	124	20:08:32.733	175QR176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,988	10:0
2266	99	124	20:08:33.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 3875.23 +/- 4	2R3	4	0	4,980,988	10:8
2267	99	124	20:08:33.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3875.23 +/- 4	2R3	4	0	4,980,988	10:8
2268	99	124	20:09:26.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3687.26 +/- 4	2R3	4	0	4,980,989	00:0
2269	99	124	20:09:26.733	175QR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,989	00:0
2270	99	124	20:09:27.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3686.26 +/- 4	2R3	4	0	4,980,989	01:8
2271	99	124	20:11:23.400	175QS422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,990	84:0
2272	99	124	20:11:23.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3686.26 +/- 4	2R3	4	0	4,980,990	84:0
2273	99	124	20:11:24.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3686.38 +/- 4	2R3	4	0	4,980,990	86:1
2274	99	124	20:11:30.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3687.61 +/- 4	2R3	4	0	4,980,991	03:0
2275	99	124	20:11:31.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *3687.67 +/- 4	2R3	4	0	4,980,991	04:8
2276	99	124	20:11:34.733	175QS176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,991	10:0
2277	99	124	20:11:35.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3681.37 +/- 4	2R3	4	0	4,980,991	10:8
2278	99	124	20:11:35.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 3681.37 +/- 4	2R3	4	0	4,980,991	10:8
2279	99	124	20:12:28.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3493.40 +/- 4	2R3	4	0	4,980,992	00:0
2280	99	124	20:12:28.733	175QS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,992	00:0
2281	99	124	20:12:29.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3492.40 +/- 4	2R3	4	0	4,980,992	01:8
2282	99	124	20:13:11.400	488AI6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,980,992	64:0
2283	99	124	20:13:49.400	165KK4A	7SCAN	NORM,79.622999,2	Check S/P Position	2R3	4	0	4,980,993	30:0
2284	99	124	20:14:28.733	165KK4B	7VECT		Inert vect update UTC	2R3	4	0	4,980,993	89:0
2285	99	124	20:14:34.066	118KK	**SMOS**	GS		2R3	4	0	4,980,994	06:0
2286	99	124	20:14:34.733	175KK422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,994	07:0
2287	99	124	20:14:34.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3492.40 +/- 4	2R3	4	0	4,980,994	07:0
2288	99	124	20:14:36.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3492.52 +/- 4	2R3	4	0	4,980,994	09:1
2289	99	124	20:14:41.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3493.76 +/- 4	2R3	4	0	4,980,994	17:0
2290	99	124	20:14:42.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *3493.82 +/- 4	2R3	4	0	4,980,994	18:8
2291	99	124	20:14:46.066	175KK176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,994	24:0
2292	99	124	20:14:46.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 3487.52 +/- 4	2R3	4	0	4,980,994	24:8
2293	99	124	20:14:46.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3487.52 +/- 4	2R3	4	0	4,980,994	24:8
2294	99	124	20:14:47.400	118KK110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,980,994	26:0
2295	99	124	20:15:00.733	175KK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,994	46:0
2296	99	124	20:15:00.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3437.83 +/- 4	2R3	4	0	4,980,994	46:0
2297	99	124	20:15:01.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3436.83 +/- 4	2R3	4	0	4,980,994	47:8
2298	99	124	20:16:06.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3436.83 +/- 4	2R3	4	0	4,980,995	53:0
2299	99	124	20:16:06.066	175LK422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,980,995	53:0
2300	99	124	20:16:07.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3436.95 +/- 4	2R3	4	0	4,980,995	55:1
2301	99	124	20:16:12.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3438.19 +/- 4	2R3	4	0	4,980,995	63:0
2302	99	124	20:16:13.933		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *3438.25 +/- 4	2R3	4	0	4,980,995	64:8
2303	99	124	20:16:17.400	175LK176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,980,995	70:0
2304	99	124	20:16:17.933		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 3431.95 +/- 4	2R3	4	0	4,980,995	70:8
2305	99	124	20:16:17.933		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3431.95 +/- 4	2R3	4	0	4,980,995	70:8
2306	99	124	20:16:18.733	118KK11A	**SMOS**	GE		2R3	4	0	4,980,995	72:0
2307	99	124	20:16:23.400	165CX4A	7SCAN	NORM,84.169,24.5	Check S/P Position	2R3	4	0	4,980,995	79:0
2308	99	124	20:16:31.400		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3384.60 +/- 4	2R3	4	0	4,980,996	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2309	99	124	20:16:31.400	175LK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,980,996	00:0
2310	99	124	20:16:32.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3383.60 +/- 4	2R3	4	0	4,980,996	01:8
2311	99	124	20:20:13.400	165CY4A	7SCAN	NORM,82.146,24.2	Check S/P Position	2R3	4	0	4,980,999	60:0
2312	99	124	20:25:26.733	165IO4A	7SCAN	NORM,84.016999,2	Check S/P Position	2R3	4	0	4,981,004	75:0
2313	99	124	20:25:41.400	118IO	**SMOS**	GS		2R3	4	0	4,981,005	06:0
2314	99	124	20:25:57.400	175IO422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,005	30:0
2315	99	124	20:25:57.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3383.60 +/- 4	2R3	4	0	4,981,005	30:0
2316	99	124	20:25:58.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3383.72 +/- 4	2R3	4	0	4,981,005	32:1
2317	99	124	20:26:04.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3384.96 +/- 4	2R3	4	0	4,981,005	40:0
2318	99	124	20:26:05.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *3385.02 +/- 4	2R3	4	0	4,981,005	41:8
2319	99	124	20:26:08.733	175IO176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,005	47:0
2320	99	124	20:26:09.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 3378.72 +/- 5	2R3	4	0	4,981,005	47:8
2321	99	124	20:26:09.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3378.72 +/- 4	2R3	4	0	4,981,005	47:8
2322	99	124	20:26:10.066	118IO110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,005	49:0
2323	99	124	20:26:25.400	118IO110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,005	72:0
2324	99	124	20:26:40.733	118IO110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,006	04:0
2325	99	124	20:26:56.066	118IO110A111A4D	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,006	27:0
2326	99	124	20:27:11.400	118IO110A111A4E	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,006	50:0
2327	99	124	20:27:26.733	118IO11A	**SMOS**	GE		2R3	4	0	4,981,006	73:0
2328	99	124	20:27:30.733	165CZ4A	7SCAN	NORM,82.344,24.3	Check S/P Position	2R3	4	0	4,981,006	79:0
2329	99	124	20:27:38.733	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,007	00:0
2330	99	124	20:27:38.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3064.19 +/- 5	2R3	4	0	4,981,007	00:0
2331	99	124	20:27:39.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3063.19 +/- 5	2R3	4	0	4,981,007	01:8
2332	99	124	20:30:00.066	165IK4A	7SCAN	NORM,85.256,24.6	Check S/P Position	2R3	4	0	4,981,009	30:0
2333	99	124	20:30:30.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3063.19 +/- 5	2R3	4	0	4,981,009	75:0
2334	99	124	20:30:30.066	175IK422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,009	75:0
2335	99	124	20:30:31.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3063.31 +/- 5	2R3	4	0	4,981,009	77:1
2336	99	124	20:30:32.733	118IK	**SMOS**	GS		2R3	4	0	4,981,009	79:0
2337	99	124	20:30:36.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3064.54 +/- 5	2R3	4	0	4,981,009	85:0
2338	99	124	20:30:37.933		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *3064.60 +/- 5	2R3	4	0	4,981,009	86:8
2339	99	124	20:30:41.400	175IK176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,010	01:0
2340	99	124	20:30:41.933		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 3058.30 +/- 5	2R3	4	0	4,981,010	01:8
2341	99	124	20:30:41.933		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3058.30 +/- 5	2R3	4	0	4,981,010	01:8
2342	99	124	20:30:42.733	118IK110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,010	03:0
2343	99	124	20:30:58.066	118IK110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,010	26:0
2344	99	124	20:31:13.400	118IK110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,010	49:0
2345	99	124	20:31:28.733	118IK11A	**SMOS**	GE		2R3	4	0	4,981,010	72:0
2346	99	124	20:31:33.400	165BZ4A	7SCAN	NORM,82.459999,2	Check S/P Position	2R3	4	0	4,981,010	79:0
2347	99	124	20:31:41.400		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2849.24 +/- 5	2R3	4	0	4,981,011	00:0
2348	99	124	20:31:41.400	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,011	00:0
2349	99	124	20:31:42.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2848.24 +/- 5	2R3	4	0	4,981,011	01:8
2350	99	124	20:33:33.400	117BZ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,981,012	77:0
2351	99	124	20:33:42.733	117BZ105A106A4A	7STRP	-0.0017,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,013	00:0
2352	99	124	20:37:14.733	117BZ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,981,016	45:0
2353	99	124	20:39:36.066	165KM4A	7SCAN	NORM,85.087,23.8	Check S/P Position	2R3	4	0	4,981,018	75:0
2354	99	124	20:39:50.733	118KM	**SMOS**	GS		2R3	4	0	4,981,019	06:0
2355	99	124	20:40:06.733	175KM422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,019	30:0
2356	99	124	20:40:06.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2848.24 +/- 5	2R3	4	0	4,981,019	30:0
2357	99	124	20:40:08.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2848.36 +/- 5	2R3	4	0	4,981,019	32:1
2358	99	124	20:40:13.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2849.59 +/- 5	2R3	4	0	4,981,019	40:0
2359	99	124	20:40:14.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2849.65 +/- 5	2R3	4	0	4,981,019	41:8
2360	99	124	20:40:18.066	175KM176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,019	47:0
2361	99	124	20:40:18.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2843.35 +/- 5	2R3	4	0	4,981,019	47:8
2362	99	124	20:40:18.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2843.35 +/- 5	2R3	4	0	4,981,019	47:8
2363	99	124	20:40:19.400	118KM110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,019	49:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2364	99	124	20:40:34.733	118KM11A	**SMOS**	GE		2R3	4	0	4,981,019	72:0
2365	99	124	20:40:47.400	175KM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,020	00:0
2366	99	124	20:40:47.400		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2742.10 +/- 5	2R3	4	0	4,981,020	00:0
2367	99	124	20:40:48.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2741.10 +/- 5	2R3	4	0	4,981,020	01:8
2368	99	124	20:41:07.400	165KL4A	7SCAN	NORM,80.306,25.6	Check S/P Position	2R3	4	0	4,981,020	30:0
2369	99	124	20:41:46.733	165KL4B	7VECT		Inert vect update UTC	2R3	4	0	4,981,020	89:0
2370	99	124	20:41:52.066	118KL	**SMOS**	GS		2R3	4	0	4,981,021	06:0
2371	99	124	20:41:52.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2741.10 +/- 5	2R3	4	0	4,981,021	07:0
2372	99	124	20:41:52.733	175KL422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,021	07:0
2373	99	124	20:41:54.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2741.22 +/- 5	2R3	4	0	4,981,021	09:1
2374	99	124	20:41:59.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2742.46 +/- 5	2R3	4	0	4,981,021	17:0
2375	99	124	20:42:00.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2742.52 +/- 5	2R3	4	0	4,981,021	18:8
2376	99	124	20:42:04.066	175KL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,021	24:0
2377	99	124	20:42:04.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2736.22 +/- 5	2R3	4	0	4,981,021	24:8
2378	99	124	20:42:04.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2736.22 +/- 5	2R3	4	0	4,981,021	24:8
2379	99	124	20:42:05.400	118KL110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,021	26:0
2380	99	124	20:42:18.733	175KL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,021	46:0
2381	99	124	20:42:18.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2686.53 +/- 5	2R3	4	0	4,981,021	46:0
2382	99	124	20:42:19.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2685.53 +/- 5	2R3	4	0	4,981,021	47:8
2383	99	124	20:43:24.066	175LL422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,022	53:0
2384	99	124	20:43:24.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2685.53 +/- 5	2R3	4	0	4,981,022	53:0
2385	99	124	20:43:25.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2685.65 +/- 5	2R3	4	0	4,981,022	55:1
2386	99	124	20:43:30.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2686.88 +/- 5	2R3	4	0	4,981,022	63:0
2387	99	124	20:43:31.933		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2686.94 +/- 5	2R3	4	0	4,981,022	64:8
2388	99	124	20:43:35.400	175LL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,022	70:0
2389	99	124	20:43:35.933		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2680.64 +/- 5	2R3	4	0	4,981,022	70:8
2390	99	124	20:43:35.933		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2680.64 +/- 5	2R3	4	0	4,981,022	70:8
2391	99	124	20:43:36.733	118KL11A	**SMOS**	GE		2R3	4	0	4,981,022	72:0
2392	99	124	20:43:41.400	165BY4A	7SCAN	NORM,84.238,24.5	Check S/P Position	2R3	4	0	4,981,022	79:0
2393	99	124	20:43:49.400		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2633.30 +/- 5	2R3	4	0	4,981,023	00:0
2394	99	124	20:43:49.400	175LL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,023	00:0
2395	99	124	20:43:50.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2632.30 +/- 5	2R3	4	0	4,981,023	01:8
2396	99	124	20:47:11.400	165IT4A	7SCAN	NORM,83.035,24.5	Check S/P Position	2R3	4	0	4,981,026	30:0
2397	99	124	20:47:41.400	175IT422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,026	75:0
2398	99	124	20:47:41.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2632.30 +/- 5	2R3	4	0	4,981,026	75:0
2399	99	124	20:47:42.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2632.42 +/- 5	2R3	4	0	4,981,026	77:1
2400	99	124	20:47:44.066	118IT	**SMOS**	GS		2R3	4	0	4,981,026	79:0
2401	99	124	20:47:48.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2633.65 +/- 5	2R3	4	0	4,981,026	85:0
2402	99	124	20:47:49.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2633.71 +/- 5	2R3	4	0	4,981,026	86:8
2403	99	124	20:47:52.733	175IT176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,027	01:0
2404	99	124	20:47:53.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2627.41 +/- 5	2R3	4	0	4,981,027	01:8
2405	99	124	20:47:53.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2627.41 +/- 5	2R3	4	0	4,981,027	01:8
2406	99	124	20:47:54.066	118IT110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,027	03:0
2407	99	124	20:48:09.400	118IT110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,027	26:0
2408	99	124	20:48:24.733	118IT110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,027	49:0
2409	99	124	20:48:40.066	118IT11A	**SMOS**	GE		2R3	4	0	4,981,027	72:0
2410	99	124	20:49:08.066	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,028	23:0
2411	99	124	20:49:08.066		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2364.44 +/- 5	2R3	4	0	4,981,028	23:0
2412	99	124	20:49:09.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2363.44 +/- 5	2R3	4	0	4,981,028	24:8
2413	99	124	20:50:43.400	165IP4A	7SCAN	NORM,84.664,24.6	Check S/P Position	2R3	4	0	4,981,029	75:0
2414	99	124	20:50:58.066	118IP	**SMOS**	GS		2R3	4	0	4,981,030	06:0
2415	99	124	20:51:14.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2363.44 +/- 5	2R3	4	0	4,981,030	30:0
2416	99	124	20:51:14.066	175IP422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,030	30:0
2417	99	124	20:51:15.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2363.56 +/- 5	2R3	4	0	4,981,030	32:1
2418	99	124	20:51:20.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2364.80 +/- 5	2R3	4	0	4,981,030	40:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2419	99	124	20:51:21.933		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2364.86 +/- 5	2R3	4	0	4,981,030	41:8
2420	99	124	20:51:25.400	175IP176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,030	47:0
2421	99	124	20:51:25.933		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2358.56 +/- 5	2R3	4	0	4,981,030	47:8
2422	99	124	20:51:25.933		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2358.56 +/- 5	2R3	4	0	4,981,030	47:8
2423	99	124	20:51:26.733	118IP110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,030	49:0
2424	99	124	20:51:42.066	118IP110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,030	72:0
2425	99	124	20:51:57.400	118IP110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,031	04:0
2426	99	124	20:52:12.733	118IP110A111A4D	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,031	27:0
2427	99	124	20:52:28.066	118IP110A111A4E	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,031	50:0
2428	99	124	20:52:43.400	118IP11A	**SMOS**	GE		2R3	4	0	4,981,031	73:0
2429	99	124	20:52:55.400		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2044.03 +/- 5	2R3	4	0	4,981,032	00:0
2430	99	124	20:52:55.400	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,032	00:0
2431	99	124	20:52:56.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2043.03 +/- 5	2R3	4	0	4,981,032	01:8
2432	99	124	20:55:15.400	488AI6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,981,034	28:0
2433	99	124	20:55:16.733	165IL4A	7SCAN	NORM,85.891999,2	Check S/P Position	2R3	4	0	4,981,034	30:0
2434	99	124	20:55:46.733	175IL422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,034	75:0
2435	99	124	20:55:46.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2043.03 +/- 5	2R3	4	0	4,981,034	75:0
2436	99	124	20:55:48.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2043.15 +/- 5	2R3	4	0	4,981,034	77:1
2437	99	124	20:55:49.400	118IL	**SMOS**	GS		2R3	4	0	4,981,034	79:0
2438	99	124	20:55:53.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2044.38 +/- 5	2R3	4	0	4,981,034	85:0
2439	99	124	20:55:54.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2044.44 +/- 5	2R3	4	0	4,981,034	86:8
2440	99	124	20:55:58.066	175IL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,035	01:0
2441	99	124	20:55:58.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2038.14 +/- 5	2R3	4	0	4,981,035	01:8
2442	99	124	20:55:58.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2038.14 +/- 5	2R3	4	0	4,981,035	01:8
2443	99	124	20:55:59.400	118IL110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,035	03:0
2444	99	124	20:56:14.733	118IL110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,035	26:0
2445	99	124	20:56:30.066	118IL110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,035	49:0
2446	99	124	20:56:45.400	118IL11A	**SMOS**	GE		2R3	4	0	4,981,035	72:0
2447	99	124	20:56:58.066		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1829.08 +/- 5	2R3	4	0	4,981,036	00:0
2448	99	124	20:56:58.066	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,036	00:0
2449	99	124	20:56:59.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1828.08 +/- 5	2R3	4	0	4,981,036	01:8
2450	99	124	21:00:04.733	165LU4A	7SCAN	NORM,82.855,26.4	Check S/P Position	2R3	4	0	4,981,039	07:0
2451	99	124	21:00:35.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1828.08 +/- 5	2R3	4	0	4,981,039	53:0
2452	99	124	21:00:35.400	175LU422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,039	53:0
2453	99	124	21:00:36.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1828.20 +/- 5	2R3	4	0	4,981,039	55:1
2454	99	124	21:00:42.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1829.43 +/- 5	2R3	4	0	4,981,039	63:0
2455	99	124	21:00:43.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1829.49 +/- 5	2R3	4	0	4,981,039	64:8
2456	99	124	21:00:46.733	175LU176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,039	70:0
2457	99	124	21:00:47.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1823.19 +/- 5	2R3	4	0	4,981,039	70:8
2458	99	124	21:00:47.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1823.19 +/- 5	2R3	4	0	4,981,039	70:8
2459	99	124	21:01:00.733	175LU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,040	00:0
2460	99	124	21:01:00.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1775.85 +/- 5	2R3	4	0	4,981,040	00:0
2461	99	124	21:01:01.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1774.85 +/- 5	2R3	4	0	4,981,040	01:8
2462	99	124	21:04:52.733	165KN4A	7SCAN	NORM,85.721,23.8	Check S/P Position	2R3	4	0	4,981,043	75:0
2463	99	124	21:05:07.400	118KN	**SMOS**	GS		2R3	4	0	4,981,044	06:0
2464	99	124	21:05:23.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1774.85 +/- 5	2R3	4	0	4,981,044	30:0
2465	99	124	21:05:23.400	175KN422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,044	30:0
2466	99	124	21:05:24.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1774.97 +/- 5	2R3	4	0	4,981,044	32:1
2467	99	124	21:05:30.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1776.20 +/- 5	2R3	4	0	4,981,044	40:0
2468	99	124	21:05:31.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1776.26 +/- 5	2R3	4	0	4,981,044	41:8
2469	99	124	21:05:34.733	175KN176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,044	47:0
2470	99	124	21:05:35.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1769.96 +/- 5	2R3	4	0	4,981,044	47:8
2471	99	124	21:05:35.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1769.96 +/- 5	2R3	4	0	4,981,044	47:8
2472	99	124	21:05:36.066	118KN110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,044	49:0
2473	99	124	21:05:51.400	118KN11A	**SMOS**	GE		2R3	4	0	4,981,044	72:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2474	99	124	21:06:04.066	175KN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,045	00:0
2475	99	124	21:06:04.066		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1668.71 +/- 5	2R3	4	0	4,981,045	00:0
2476	99	124	21:06:05.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1667.71 +/- 5	2R3	4	0	4,981,045	01:8
2477	99	124	21:12:28.066	165IU4A	7SCAN	NORM,83.691,24.5	Check S/P Position	2R3	4	0	4,981,051	30:0
2478	99	124	21:12:58.066	175IU422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,051	75:0
2479	99	124	21:12:58.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1667.71 +/- 5	2R3	4	0	4,981,051	75:0
2480	99	124	21:12:59.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1667.83 +/- 5	2R3	4	0	4,981,051	77:1
2481	99	124	21:13:00.733	118IU	**SMOS**	GS		2R3	4	0	4,981,051	79:0
2482	99	124	21:13:04.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1669.07 +/- 5	2R3	4	0	4,981,051	85:0
2483	99	124	21:13:05.933		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1669.13 +/- 5	2R3	4	0	4,981,051	86:8
2484	99	124	21:13:09.400	175IU176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,052	01:0
2485	99	124	21:13:09.933		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1662.83 +/- 5	2R3	4	0	4,981,052	01:8
2486	99	124	21:13:09.933		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1662.83 +/- 5	2R3	4	0	4,981,052	01:8
2487	99	124	21:13:10.733	118IU110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,052	03:0
2488	99	124	21:13:26.066	118IU110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,052	26:0
2489	99	124	21:13:41.400	118IU110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,052	49:0
2490	99	124	21:13:56.733	118IU11A	**SMOS**	GE		2R3	4	0	4,981,052	72:0
2491	99	124	21:14:09.400		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1453.77 +/- 5	2R3	4	0	4,981,053	00:0
2492	99	124	21:14:09.400	175IU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,053	00:0
2493	99	124	21:14:10.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1452.77 +/- 5	2R3	4	0	4,981,053	01:8
2494	99	124	21:16:00.066	165IQ4A	7SCAN	NORM,85.308999,2	Check S/P Position	2R3	4	0	4,981,054	75:0
2495	99	124	21:16:14.733	118IQ	**SMOS**	GS		2R3	4	0	4,981,055	06:0
2496	99	124	21:16:30.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1452.77 +/- 5	2R3	4	0	4,981,055	30:0
2497	99	124	21:16:30.733	175IQ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,055	30:0
2498	99	124	21:16:32.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1452.89 +/- 5	2R3	4	0	4,981,055	32:1
2499	99	124	21:16:37.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1454.12 +/- 5	2R3	4	0	4,981,055	40:0
2500	99	124	21:16:38.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1454.18 +/- 5	2R3	4	0	4,981,055	41:8
2501	99	124	21:16:42.066	175IQ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,055	47:0
2502	99	124	21:16:42.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1447.88 +/- 5	2R3	4	0	4,981,055	47:8
2503	99	124	21:16:42.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1447.88 +/- 5	2R3	4	0	4,981,055	47:8
2504	99	124	21:16:43.400	118IQ110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,055	49:0
2505	99	124	21:16:58.733	118IQ110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,055	72:0
2506	99	124	21:17:14.066	118IQ110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,056	04:0
2507	99	124	21:17:29.400	118IQ110A111A4D	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,056	27:0
2508	99	124	21:17:44.733	118IQ110A111A4E	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,056	50:0
2509	99	124	21:18:00.066	118IQ11A	**SMOS**	GE		2R3	4	0	4,981,056	73:0
2510	99	124	21:18:12.066	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,057	00:0
2511	99	124	21:18:12.066		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1133.35 +/- 5	2R3	4	0	4,981,057	00:0
2512	99	124	21:18:13.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1132.35 +/- 5	2R3	4	0	4,981,057	01:8
2513	99	124	21:20:33.400	165IM4A	7SCAN	NORM,86.518,24.6	Check S/P Position	2R3	4	0	4,981,059	30:0
2514	99	124	21:21:03.400	175IM422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,059	75:0
2515	99	124	21:21:03.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1132.35 +/- 5	2R3	4	0	4,981,059	75:0
2516	99	124	21:21:04.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1132.47 +/- 5	2R3	4	0	4,981,059	77:1
2517	99	124	21:21:06.066	118IM	**SMOS**	GS		2R3	4	0	4,981,059	79:0
2518	99	124	21:21:10.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1133.70 +/- 5	2R3	4	0	4,981,059	85:0
2519	99	124	21:21:11.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1133.76 +/- 5	2R3	4	0	4,981,059	86:8
2520	99	124	21:21:14.733	175IM176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,060	01:0
2521	99	124	21:21:15.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1127.46 +/- 5	2R3	4	0	4,981,060	01:8
2522	99	124	21:21:15.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1127.46 +/- 5	2R3	4	0	4,981,060	01:8
2523	99	124	21:21:16.066	118IM110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,060	03:0
2524	99	124	21:21:31.400	118IM110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,060	26:0
2525	99	124	21:21:46.733	118IM110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,060	49:0
2526	99	124	21:22:02.066	118IM11A	**SMOS**	GE		2R3	4	0	4,981,060	72:0
2527	99	124	21:22:14.733	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,061	00:0
2528	99	124	21:22:14.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC * 918.40 +/- 5	2R3	4	0	4,981,061	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2529	99	124	21:22:15.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 917.40 +/- 5	2R3	4	0	4,981,061:01:8	
2530	99	124	21:30:09.400	165KO4A	7SCAN	NORM,86.341999,2	Check S/P Position	2R3	4	0	4,981,068:75:0	
2531	99	124	21:30:24.066	118KO	**SMOS**	GS		2R3	4	0	4,981,069:06:0	
2532	99	124	21:30:40.066	175KO422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,069:30:0	
2533	99	124	21:30:40.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 917.40 +/- 5	2R3	4	0	4,981,069:30:0	
2534	99	124	21:30:41.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 917.52 +/- 5	2R3	4	0	4,981,069:32:1	
2535	99	124	21:30:46.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 918.76 +/- 5	2R3	4	0	4,981,069:40:0	
2536	99	124	21:30:47.933		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC * 918.82 +/- 5	2R3	4	0	4,981,069:41:8	
2537	99	124	21:30:51.400	175KO176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,069:47:0	
2538	99	124	21:30:51.933		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 912.52 +/- 5	2R3	4	0	4,981,069:47:8	
2539	99	124	21:30:51.933		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC * 912.52 +/- 5	2R3	4	0	4,981,069:47:8	
2540	99	124	21:30:52.733	118KO110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,069:49:0	
2541	99	124	21:31:08.066	118KO11A	**SMOS**	GE		2R3	4	0	4,981,069:72:0	
2542	99	124	21:31:20.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC * 811.27 +/- 5	2R3	4	0	4,981,070:00:0	
2543	99	124	21:31:20.733	175KO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,070:00:0	
2544	99	124	21:31:21.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 810.27 +/- 5	2R3	4	0	4,981,070:01:8	
2545	99	124	21:37:44.733	165IV4A	7SCAN	NORM,84.329,24.5	Check S/P Position	2R3	4	0	4,981,076:30:0	
2546	99	124	21:38:14.733	175IV422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,076:75:0	
2547	99	124	21:38:14.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 810.27 +/- 5	2R3	4	0	4,981,076:75:0	
2548	99	124	21:38:16.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 810.39 +/- 5	2R3	4	0	4,981,076:77:1	
2549	99	124	21:38:17.400	118IV	**SMOS**	GS		2R3	4	0	4,981,076:79:0	
2550	99	124	21:38:21.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 811.62 +/- 5	2R3	4	0	4,981,076:85:0	
2551	99	124	21:38:22.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC * 811.68 +/- 6	2R3	4	0	4,981,076:86:8	
2552	99	124	21:38:26.066	175IV176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,077:01:0	
2553	99	124	21:38:26.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC * 805.38 +/- 6	2R3	4	0	4,981,077:01:8	
2554	99	124	21:38:26.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 805.38 +/- 6	2R3	4	0	4,981,077:01:8	
2555	99	124	21:38:27.400	118IV110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,077:03:0	
2556	99	124	21:38:42.733	118IV110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,077:26:0	
2557	99	124	21:38:58.066	118IV110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,077:49:0	
2558	99	124	21:39:13.400	118IV11A	**SMOS**	GE		2R3	4	0	4,981,077:72:0	
2559	99	124	21:39:26.066	175IV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,078:00:0	
2560	99	124	21:39:26.066		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC * 596.32 +/- 6	2R3	4	0	4,981,078:00:0	
2561	99	124	21:39:27.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 595.32 +/- 6	2R3	4	0	4,981,078:01:8	
2562	99	124	21:41:16.733	165IR4A	7SCAN	NORM,85.929999,2	Check S/P Position	2R3	4	0	4,981,079:75:0	
2563	99	124	21:41:31.400	118IR	**SMOS**	GS		2R3	4	0	4,981,080:06:0	
2564	99	124	21:41:47.400	175IR422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,981,080:30:0	
2565	99	124	21:41:47.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 595.32 +/- 6	2R3	4	0	4,981,080:30:0	
2566	99	124	21:41:48.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 595.44 +/- 6	2R3	4	0	4,981,080:32:1	
2567	99	124	21:41:54.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 596.67 +/- 6	2R3	4	0	4,981,080:40:0	
2568	99	124	21:41:55.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC * 596.73 +/- 6	2R3	4	0	4,981,080:41:8	
2569	99	124	21:41:58.733	175IR176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,080:47:0	
2570	99	124	21:41:59.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 590.43 +/- 6	2R3	4	0	4,981,080:47:8	
2571	99	124	21:41:59.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC * 590.43 +/- 6	2R3	4	0	4,981,080:47:8	
2572	99	124	21:42:00.066	118IR110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,080:49:0	
2573	99	124	21:42:15.400	118IR110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,080:72:0	
2574	99	124	21:42:30.733	118IR110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,081:04:0	
2575	99	124	21:42:46.066	118IR110A111A4D	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,081:27:0	
2576	99	124	21:43:01.400	118IR110A111A4E	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,081:50:0	
2577	99	124	21:43:16.733	118IR11A	**SMOS**	GE		2R3	4	0	4,981,081:73:0	
2578	99	124	21:43:20.733	165BR4A	7SCAN	NORM,83.823999,2	Check S/P Position	2R3	4	0	4,981,081:79:0	
2579	99	124	21:43:28.733	175IR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,082:00:0	
2580	99	124	21:43:28.733		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC * 275.90 +/- 6	2R3	4	0	4,981,082:00:0	
2581	99	124	21:43:29.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 274.90 +/- 6	2R3	4	0	4,981,082:01:8	
2582	99	124	21:44:34.066	465KD6A	6DTRN	CMD,6DTRN,465KD6	DMS TRACK TURNAROUND	2R3	4	0	4,981,083:07:0	
2583	99	124	21:44:34.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 274.90 +/- 6	2R3	4	0	4,981,083:07:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2584	99	124	21:44:34.066		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 274.90 +/- 6	2R3	4	0	4,981,083:07:0	
2585	99	124	21:44:35.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 275.02 +/- 6	2R3	4	0	4,981,083:09:1	
2586	99	124	21:44:40.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 276.26 +/- 6	2R3	4	0	4,981,083:17:0	
2587	99	124	21:44:41.933		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 276.32 +/- 6	2R3	4	0	4,981,083:18:8	
2588	99	124	21:44:43.333		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 276.20 +/- 6	2R3	4	0	4,981,083:20:9	
2589	99	124	21:47:10.733	165BQ4A	7SCAN	NORM,84.507,24.3	Check S/P Position	2R3	4	0	4,981,085:60:0	
2590	99	124	21:49:23.400	117BQ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,981,087:77:0	
2591	99	124	21:49:32.733	117BQ105A106A4A	7STRP	-0.0017,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,088:00:0	
2592	99	124	21:50:08.933		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/- 6	2R3	4	0	4,981,088:54:3	
2593	99	124	21:50:10.133		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 6	2R3	4	0	4,981,088:56:1	
2594	99	124	21:50:10.133		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/- 6	2R3	4	0	4,981,088:56:1	
2595	99	124	21:50:11.533		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2R3	4	0	4,981,088:58:2	
2596	99	124	21:50:23.533		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2R3	4	0	4,981,088:76:2	
2597	99	124	21:50:24.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2R3	4	0	4,981,088:78:0	
2598	99	124	21:53:04.733	117BQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,981,091:45:0	
2599	99	124	21:55:54.733	465KE6A	6DMSC	P7,1	DMS Control Tape P/B 7.68kbps	2R3	4	0	4,981,094:27:0	
2600	99	124	21:55:54.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2R3	4	0	4,981,094:27:0	
2601	99	124	21:56:01.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	2R3	4	0	4,981,094:37:0	
2602	99	124	21:56:02.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC 202.24 +/-	2R3	4	0	4,981,094:39:1	
2603	99	124	21:56:02.800		DMS:	: *P_SLEW	P7, TRACK 1, FWD, TIC * 202.24 +/-	2R3	4	0	4,981,094:39:1	
2604	99	124	21:56:26.733	165LM4A	7SCAN	NORM,85.113999,2	Check S/P Position	2R3	4	0	4,981,094:75:0	
2605	99	124	21:56:41.400	118LM	**SMOS**	GS		2R3	4	0	4,981,095:06:0	
2606	99	124	21:56:49.400		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC * 213.16 +/-	2R3	4	0	4,981,095:18:0	
2607	99	124	21:56:49.400	465KE6B	6DMSC	RDY,1	DMS Control Tape stop	2R3	4	0	4,981,095:18:0	
2608	99	124	21:56:50.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 213.22 +/-	2R3	4	0	4,981,095:19:8	
2609	99	124	21:56:58.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 213.22 +/-	2R3	4	0	4,981,095:32:0	
2610	99	124	21:56:58.733	175LM422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,095:32:0	
2611	99	124	21:57:05.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 213.22 +/-	2R3	4	0	4,981,095:42:0	
2612	99	124	21:57:08.733	175LM176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,095:47:0	
2613	99	124	21:57:09.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 219.52 +/-	2R3	4	0	4,981,095:48:0	
2614	99	124	21:57:09.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 219.52 +/-	2R3	4	0	4,981,095:48:0	
2615	99	124	21:57:10.066	118LM110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,095:49:0	
2616	99	124	21:57:25.400	118LM11A	**SMOS**	GE		2R3	4	0	4,981,095:72:0	
2617	99	124	21:57:27.400	165KP4A	7SCAN	NORM,86.974,23.8	Check S/P Position	2R3	4	0	4,981,095:75:0	
2618	99	124	21:57:38.066	175LM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,096:00:0	
2619	99	124	21:57:38.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 320.31 +/-	2R3	4	0	4,981,096:00:0	
2620	99	124	21:57:39.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 321.31 +/-	2R3	4	0	4,981,096:01:8	
2621	99	124	21:57:42.066	118KP	**SMOS**	GS		2R3	4	0	4,981,096:06:0	
2622	99	124	21:57:59.400	175KP422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,096:32:0	
2623	99	124	21:57:59.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 321.31 +/-	2R3	4	0	4,981,096:32:0	
2624	99	124	21:58:06.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 321.31 +/-	2R3	4	0	4,981,096:42:0	
2625	99	124	21:58:09.400	175KP176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,096:47:0	
2626	99	124	21:58:10.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 327.61 +/-	2R3	4	0	4,981,096:48:0	
2627	99	124	21:58:10.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 327.61 +/-	2R3	4	0	4,981,096:48:0	
2628	99	124	21:58:10.733	118KP110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,096:49:0	
2629	99	124	21:58:26.066	118KP11A	**SMOS**	GE		2R3	4	0	4,981,096:72:0	
2630	99	124	21:58:32.066	165JA4A	7SCAN	NORM,82.664,24.5	Check S/P Position	2R3	4	0	4,981,096:81:0	
2631	99	124	21:58:38.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 428.39 +/-	2R3	4	0	4,981,097:00:0	
2632	99	124	21:58:38.733	175KP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,097:00:0	
2633	99	124	21:58:39.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 429.39 +/-	2R3	4	0	4,981,097:01:8	
2634	99	124	21:59:38.066	165JA4B	7VECT		Inert vect update UTC	2R3	4	0	4,981,097:89:0	
2635	99	124	21:59:43.400	118JA	**SMOS**	GS		2R3	4	0	4,981,098:06:0	
2636	99	124	21:59:45.400	175JA422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,098:09:0	
2637	99	124	21:59:45.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 429.39 +/-	2R3	4	0	4,981,098:09:0	
2638	99	124	21:59:52.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 429.39 +/-	2R3	4	0	4,981,098:19:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2639	99	124	21:59:55.400	175JA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,098	24:0
2640	99	124	21:59:56.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 435.69 +/-	2R3	4	0	4,981,098	25:0
2641	99	124	21:59:56.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 435.69 +/-	2R3	4	0	4,981,098	25:0
2642	99	124	21:59:56.733	118JA110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,098	26:0
2643	99	124	22:00:10.066	175JA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,098	46:0
2644	99	124	22:00:10.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 484.91 +/-	2R3	4	0	4,981,098	46:0
2645	99	124	22:00:11.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 485.91 +/-	2R3	4	0	4,981,098	47:8
2646	99	124	22:00:16.066	175KA422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,098	55:0
2647	99	124	22:00:16.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 485.91 +/-	2R3	4	0	4,981,098	55:0
2648	99	124	22:00:22.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 485.91 +/-	2R3	4	0	4,981,098	65:0
2649	99	124	22:00:26.066	175KA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,098	70:0
2650	99	124	22:00:26.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 492.21 +/-	2R3	4	0	4,981,098	71:0
2651	99	124	22:00:26.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 492.21 +/-	2R3	4	0	4,981,098	71:0
2652	99	124	22:00:27.400	118JA11A	**SMOS**	GE		2R3	4	0	4,981,098	72:0
2653	99	124	22:00:40.066	175KA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,099	00:0
2654	99	124	22:00:40.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 539.08 +/-	2R3	4	0	4,981,099	00:0
2655	99	124	22:00:41.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 540.08 +/-	2R3	4	0	4,981,099	01:8
2656	99	124	22:03:01.400	165IW4A	7SCAN	NORM,84.964999,2	Check S/P Position	2R3	4	0	4,981,101	30:0
2657	99	124	22:03:32.733	175IW422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,101	77:0
2658	99	124	22:03:32.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 540.08 +/-	2R3	4	0	4,981,101	77:0
2659	99	124	22:03:34.066	118IW	**SMOS**	GS		2R3	4	0	4,981,101	79:0
2660	99	124	22:03:39.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 540.08 +/-	2R3	4	0	4,981,101	87:0
2661	99	124	22:03:42.733	175IW176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,102	01:0
2662	99	124	22:03:43.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 546.38 +/-	2R3	4	0	4,981,102	02:0
2663	99	124	22:03:43.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 546.38 +/-	2R3	4	0	4,981,102	02:0
2664	99	124	22:03:44.066	118IW110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,102	03:0
2665	99	124	22:03:59.400	118IW110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,102	26:0
2666	99	124	22:04:14.733	118IW110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,102	49:0
2667	99	124	22:04:30.066	118IW11A	**SMOS**	GE		2R3	4	0	4,981,102	72:0
2668	99	124	22:04:42.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC * 754.97 +/-	2R3	4	0	4,981,103	00:0
2669	99	124	22:04:42.733	175IW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,103	00:0
2670	99	124	22:04:43.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 755.97 +/-	2R3	4	0	4,981,103	01:8
2671	99	124	22:06:33.400	165IS4A	7SCAN	NORM,86.544,24.6	Check S/P Position	2R3	4	0	4,981,104	75:0
2672	99	124	22:06:48.066	118IS	**SMOS**	GS		2R3	4	0	4,981,105	06:0
2673	99	124	22:07:05.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 755.97 +/-	2R3	4	0	4,981,105	32:0
2674	99	124	22:07:05.400	175IS422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,105	32:0
2675	99	124	22:07:12.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 755.97 +/-	2R3	4	0	4,981,105	42:0
2676	99	124	22:07:15.400	175IS176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,105	47:0
2677	99	124	22:07:16.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 762.27 +/-	2R3	4	0	4,981,105	48:0
2678	99	124	22:07:16.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 762.27 +/-	2R3	4	0	4,981,105	48:0
2679	99	124	22:07:16.733	118IS110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,105	49:0
2680	99	124	22:07:32.066	118IS110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,105	72:0
2681	99	124	22:07:47.400	118IS110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,106	04:0
2682	99	124	22:08:02.733	118IS110A111A4D	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,106	27:0
2683	99	124	22:08:18.066	118IS110A111A4E	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,106	50:0
2684	99	124	22:08:33.400	118IS11A	**SMOS**	GE		2R3	4	0	4,981,106	73:0
2685	99	124	22:08:45.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1076.34 +/-	2R3	4	0	4,981,107	00:0
2686	99	124	22:08:45.400	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,107	00:0
2687	99	124	22:08:46.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1077.34 +/-	2R3	4	0	4,981,107	01:8
2688	99	124	22:11:52.066	165KV4A	7SCAN	NORM,86.945,26.4	Check S/P Position	2R3	4	0	4,981,110	07:0
2689	99	124	22:12:24.066	175KV422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,110	55:0
2690	99	124	22:12:24.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1077.34 +/-	2R3	4	0	4,981,110	55:0
2691	99	124	22:12:30.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1077.34 +/-	2R3	4	0	4,981,110	65:0
2692	99	124	22:12:34.066	175KV176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,110	70:0
2693	99	124	22:12:34.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1083.64 +/-	2R3	4	0	4,981,110	71:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2694	99	124	22:12:34.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1083.64 +/-	2R3	4	0	4,981,110	71:0
2695	99	124	22:12:48.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1130.51 +/-	2R3	4	0	4,981,111	00:0
2696	99	124	22:12:48.066	175KV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,111	00:0
2697	99	124	22:12:49.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1131.51 +/-	2R3	4	0	4,981,111	01:8
2698	99	124	22:16:40.066	165LN4A	7SCAN	NORM,85.750999,2	Check S/P Position	2R3	4	0	4,981,114	75:0
2699	99	124	22:16:54.733	118LN	**SMOS**	GS		2R3	4	0	4,981,115	06:0
2700	99	124	22:17:12.066	175LN422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,115	32:0
2701	99	124	22:17:12.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1131.51 +/-	2R3	4	0	4,981,115	32:0
2702	99	124	22:17:18.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1131.51 +/-	2R3	4	0	4,981,115	42:0
2703	99	124	22:17:22.066	175LN176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,115	47:0
2704	99	124	22:17:22.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1137.81 +/-	2R3	4	0	4,981,115	48:0
2705	99	124	22:17:22.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1137.81 +/-	2R3	4	0	4,981,115	48:0
2706	99	124	22:17:23.400	118LN110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,115	49:0
2707	99	124	22:17:38.733	118LN11A	**SMOS**	GE		2R3	4	0	4,981,115	72:0
2708	99	124	22:17:51.400	175LN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,116	00:0
2709	99	124	22:17:51.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1238.59 +/-	2R3	4	0	4,981,116	00:0
2710	99	124	22:17:52.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1239.59 +/-	2R3	4	0	4,981,116	01:8
2711	99	124	22:20:42.733	165KQ4A	7SCAN	NORM,87.551,23.8	Check S/P Position	2R3	4	0	4,981,118	75:0
2712	99	124	22:20:57.400	118KQ	**SMOS**	GS		2R3	4	0	4,981,119	06:0
2713	99	124	22:21:14.733	175KQ422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,119	32:0
2714	99	124	22:21:14.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1239.59 +/-	2R3	4	0	4,981,119	32:0
2715	99	124	22:21:21.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1239.59 +/-	2R3	4	0	4,981,119	42:0
2716	99	124	22:21:24.733	175KQ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,119	47:0
2717	99	124	22:21:25.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1245.89 +/-	2R3	4	0	4,981,119	48:0
2718	99	124	22:21:25.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1245.89 +/-	2R3	4	0	4,981,119	48:0
2719	99	124	22:21:26.066	118KQ110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,119	49:0
2720	99	124	22:21:41.400	118KQ11A	**SMOS**	GE		2R3	4	0	4,981,119	72:0
2721	99	124	22:21:44.066	165JB4A	7SCAN	NORM,83.304999,2	Check S/P Position	2R3	4	0	4,981,119	76:0
2722	99	124	22:21:54.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1346.67 +/-	2R3	4	0	4,981,120	00:0
2723	99	124	22:21:54.066	175KQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,120	00:0
2724	99	124	22:21:55.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1347.67 +/-	2R3	4	0	4,981,120	01:8
2725	99	124	22:24:54.733	165JB4B	7VECT		Inert vect update UTC	2R3	4	0	4,981,122	89:0
2726	99	124	22:25:00.066	118JB	**SMOS**	GS		2R3	4	0	4,981,123	06:0
2727	99	124	22:25:02.066	175JB422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,123	09:0
2728	99	124	22:25:02.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1347.67 +/-	2R3	4	0	4,981,123	09:0
2729	99	124	22:25:08.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1347.67 +/-	2R3	4	0	4,981,123	19:0
2730	99	124	22:25:12.066	175JB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,123	24:0
2731	99	124	22:25:12.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1353.97 +/-	2R3	4	0	4,981,123	25:0
2732	99	124	22:25:12.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1353.97 +/-	2R3	4	0	4,981,123	25:0
2733	99	124	22:25:13.400	118JB110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,123	26:0
2734	99	124	22:25:26.733	175JB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,123	46:0
2735	99	124	22:25:26.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1403.19 +/-	2R3	4	0	4,981,123	46:0
2736	99	124	22:25:27.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1404.19 +/-	2R3	4	0	4,981,123	47:8
2737	99	124	22:25:32.733	175KB422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,123	55:0
2738	99	124	22:25:32.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1404.19 +/-	2R3	4	0	4,981,123	55:0
2739	99	124	22:25:39.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1404.19 +/-	2R3	4	0	4,981,123	65:0
2740	99	124	22:25:42.733	175KB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,123	70:0
2741	99	124	22:25:43.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1410.49 +/-	2R3	4	0	4,981,123	71:0
2742	99	124	22:25:43.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1410.49 +/-	2R3	4	0	4,981,123	71:0
2743	99	124	22:25:44.066	118JB11A	**SMOS**	GE		2R3	4	0	4,981,123	72:0
2744	99	124	22:25:56.733	175KB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,124	00:0
2745	99	124	22:25:56.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1457.37 +/-	2R3	4	0	4,981,124	00:0
2746	99	124	22:25:57.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1458.37 +/-	2R3	4	0	4,981,124	01:8
2747	99	124	22:28:18.066	165IX4A	7SCAN	NORM,85.577,24.6	Check S/P Position	2R3	4	0	4,981,126	30:0
2748	99	124	22:28:49.400	175IX422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,126	77:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2749	99	124	22:28:49.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1458.37 +/-	2R3	4	0	4,981,126:77:0	
2750	99	124	22:28:50.733	118IX	**SMOS**	GS		2R3	4	0	4,981,126:79:0	
2751	99	124	22:28:56.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1458.37 +/-	2R3	4	0	4,981,126:87:0	
2752	99	124	22:28:59.400	175IX176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,127:01:0	
2753	99	124	22:29:00.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1464.67 +/-	2R3	4	0	4,981,127:02:0	
2754	99	124	22:29:00.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1464.67 +/-	2R3	4	0	4,981,127:02:0	
2755	99	124	22:29:00.733	118IX110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,127:03:0	
2756	99	124	22:29:16.066	118IX110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,127:26:0	
2757	99	124	22:29:31.400	118IX110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,127:49:0	
2758	99	124	22:29:46.733	118IX11A	**SMOS**	GE		2R3	4	0	4,981,127:72:0	
2759	99	124	22:29:59.400	175IX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,128:00:0	
2760	99	124	22:29:59.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1673.26 +/-	2R3	4	0	4,981,128:00:0	
2761	99	124	22:30:00.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1674.26 +/-	2R3	4	0	4,981,128:01:8	
2762	99	124	22:37:50.066	165BJ4A	7SCAN	NORM,85.917,23.8	Check S/P Position	2R3	4	0	4,981,135:69:0	
2763	99	124	22:41:56.733	165LO4A	7SCAN	NORM,86.355,23.8	Check S/P Position	2R3	4	0	4,981,139:75:0	
2764	99	124	22:42:11.400	488AI6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	4,981,140:06:0	
2765	99	124	22:42:11.400	118LO	**SMOS**	GS		2R3	4	0	4,981,140:06:0	
2766	99	124	22:42:28.733	175LO422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,140:32:0	
2767	99	124	22:42:28.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1674.26 +/-	2R3	4	0	4,981,140:32:0	
2768	99	124	22:42:35.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1674.26 +/-	2R3	4	0	4,981,140:42:0	
2769	99	124	22:42:38.733	175LO176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,140:47:0	
2770	99	124	22:42:39.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1680.56 +/-	2R3	4	0	4,981,140:48:0	
2771	99	124	22:42:39.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1680.56 +/-	2R3	4	0	4,981,140:48:0	
2772	99	124	22:42:40.066	118LO110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,140:49:0	
2773	99	124	22:42:55.400	118LO11A	**SMOS**	GE		2R3	4	0	4,981,140:72:0	
2774	99	124	22:43:08.066	175LO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,141:00:0	
2775	99	124	22:43:08.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1781.34 +/-	2R3	4	0	4,981,141:00:0	
2776	99	124	22:43:09.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1782.34 +/-	2R3	4	0	4,981,141:01:8	
2777	99	124	22:45:59.400	165KR4A	7SCAN	NORM,88.136999,2	Check S/P Position	2R3	4	0	4,981,143:75:0	
2778	99	124	22:46:14.066	118KR	**SMOS**	GS		2R3	4	0	4,981,144:06:0	
2779	99	124	22:46:31.400	175KR422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,144:32:0	
2780	99	124	22:46:31.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1782.34 +/-	2R3	4	0	4,981,144:32:0	
2781	99	124	22:46:38.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1782.34 +/-	2R3	4	0	4,981,144:42:0	
2782	99	124	22:46:41.400	175KR176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,144:47:0	
2783	99	124	22:46:42.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1788.64 +/- 1	2R3	4	0	4,981,144:48:0	
2784	99	124	22:46:42.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1788.64 +/-	2R3	4	0	4,981,144:48:0	
2785	99	124	22:46:42.733	118KR110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,144:49:0	
2786	99	124	22:46:58.066	118KR11A	**SMOS**	GE		2R3	4	0	4,981,144:72:0	
2787	99	124	22:47:04.066	165JC4A	7SCAN	NORM,83.929999,2	Check S/P Position	2R3	4	0	4,981,144:81:0	
2788	99	124	22:47:10.733	175KR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,145:00:0	
2789	99	124	22:47:10.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1889.42 +/- 1	2R3	4	0	4,981,145:00:0	
2790	99	124	22:47:11.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1890.42 +/- 1	2R3	4	0	4,981,145:01:8	
2791	99	124	22:50:11.400	165JC4B	7VECT		Inert vect update UTC	2R3	4	0	4,981,147:89:0	
2792	99	124	22:50:16.733	118JC	**SMOS**	GS		2R3	4	0	4,981,148:06:0	
2793	99	124	22:50:18.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1890.42 +/- 1	2R3	4	0	4,981,148:09:0	
2794	99	124	22:50:18.733	175JC422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,148:09:0	
2795	99	124	22:50:25.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1890.42 +/- 1	2R3	4	0	4,981,148:19:0	
2796	99	124	22:50:28.733	175JC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,148:24:0	
2797	99	124	22:50:29.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1896.72 +/- 1	2R3	4	0	4,981,148:25:0	
2798	99	124	22:50:29.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1896.72 +/- 1	2R3	4	0	4,981,148:25:0	
2799	99	124	22:50:30.066	118JC110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,148:26:0	
2800	99	124	22:50:43.400	175JC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,148:46:0	
2801	99	124	22:50:43.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1945.94 +/- 1	2R3	4	0	4,981,148:46:0	
2802	99	124	22:50:44.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1946.94 +/- 1	2R3	4	0	4,981,148:47:8	
2803	99	124	22:50:49.400	175KC422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,148:55:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2804	99	124	22:50:49.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1946.94 +/- 1	2R3	4	0	4,981,148:55:0	
2805	99	124	22:50:56.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 1946.94 +/- 1	2R3	4	0	4,981,148:65:0	
2806	99	124	22:50:59.400	175KC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,148:70:0	
2807	99	124	22:51:00.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1953.24 +/- 1	2R3	4	0	4,981,148:71:0	
2808	99	124	22:51:00.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1953.24 +/- 1	2R3	4	0	4,981,148:71:0	
2809	99	124	22:51:00.733	118JC11A	**SMOS**	GE		2R3	4	0	4,981,148:72:0	
2810	99	124	22:51:13.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2000.12 +/- 1	2R3	4	0	4,981,149:00:0	
2811	99	124	22:51:13.400	175KC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,149:00:0	
2812	99	124	22:51:14.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2001.12 +/- 1	2R3	4	0	4,981,149:01:8	
2813	99	124	22:53:34.733	165IY4A	7SCAN	NORM,86.183,24.6	Check S/P Position	2R3	4	0	4,981,151:30:0	
2814	99	124	22:54:06.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2001.12 +/- 1	2R3	4	0	4,981,151:77:0	
2815	99	124	22:54:06.066	175IY422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,151:77:0	
2816	99	124	22:54:07.400	118IY	**SMOS**	GS		2R3	4	0	4,981,151:79:0	
2817	99	124	22:54:12.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2001.12 +/- 1	2R3	4	0	4,981,151:87:0	
2818	99	124	22:54:16.066	175IY176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,152:01:0	
2819	99	124	22:54:16.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2007.42 +/- 1	2R3	4	0	4,981,152:02:0	
2820	99	124	22:54:16.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2007.42 +/- 1	2R3	4	0	4,981,152:02:0	
2821	99	124	22:54:17.400	118IY110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,152:03:0	
2822	99	124	22:54:32.733	118IY110A111A4B	7STRP	-0.00731,0.0007,	Slew =,3.71	2R3	4	0	4,981,152:26:0	
2823	99	124	22:54:48.066	118IY110A111A4C	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,152:49:0	
2824	99	124	22:55:03.400	118IY11A	**SMOS**	GE		2R3	4	0	4,981,152:72:0	
2825	99	124	22:55:08.066	165BI4A	7SCAN	NORM,86.783999,2	Check S/P Position	2R3	4	0	4,981,152:79:0	
2826	99	124	22:55:16.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2216.01 +/- 1	2R3	4	0	4,981,153:00:0	
2827	99	124	22:55:16.066	175IY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,153:00:0	
2828	99	124	22:55:17.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2217.01 +/- 1	2R3	4	0	4,981,153:01:8	
2829	99	124	22:57:08.066	117BI	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,981,154:77:0	
2830	99	124	22:57:17.400	117BI105A106A4A	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,155:00:0	
2831	99	124	23:00:49.400	117BI105A106A4B	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,981,158:45:0	
2832	99	124	23:01:20.066	117BI105A106A4C	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,159:00:0	
2833	99	124	23:04:52.066	117BI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,981,162:45:0	
2834	99	124	23:07:13.400	165LP4A	7SCAN	NORM,86.960999,2	Check S/P Position	2R3	4	0	4,981,164:75:0	
2835	99	124	23:07:28.066	118LP	**SMOS**	GS		2R3	4	0	4,981,165:06:0	
2836	99	124	23:07:45.400	175LP422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,165:32:0	
2837	99	124	23:07:45.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2217.01 +/- 1	2R3	4	0	4,981,165:32:0	
2838	99	124	23:07:52.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2217.01 +/- 1	2R3	4	0	4,981,165:42:0	
2839	99	124	23:07:55.400	175LP176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,165:47:0	
2840	99	124	23:07:56.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2223.31 +/- 1	2R3	4	0	4,981,165:48:0	
2841	99	124	23:07:56.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2223.31 +/- 1	2R3	4	0	4,981,165:48:0	
2842	99	124	23:07:56.733	118LP110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,165:49:0	
2843	99	124	23:08:12.066	118LP11A	**SMOS**	GE		2R3	4	0	4,981,165:72:0	
2844	99	124	23:08:18.733	165QT4A	7SCAN	NORM,35.2,15.64,	Check S/P Position	2R3	4	0	4,981,165:82:0	
2845	99	124	23:08:24.733	175LP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,166:00:0	
2846	99	124	23:08:24.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2324.09 +/- 1	2R3	4	0	4,981,166:00:0	
2847	99	124	23:08:25.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2325.09 +/- 1	2R3	4	0	4,981,166:01:8	
2848	99	124	23:11:23.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2325.09 +/- 1	2R3	4	0	4,981,168:86:0	
2849	99	124	23:11:23.400	175QT422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,168:86:0	
2850	99	124	23:11:25.400	165QT4B	7VECT		Inert vect update UTC	2R3	4	0	4,981,168:89:0	
2851	99	124	23:11:30.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2325.09 +/- 1	2R3	4	0	4,981,169:05:0	
2852	99	124	23:11:33.400	175QT176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,169:10:0	
2853	99	124	23:11:34.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2331.39 +/- 1	2R3	4	0	4,981,169:11:0	
2854	99	124	23:11:34.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2331.39 +/- 1	2R3	4	0	4,981,169:11:0	
2855	99	124	23:12:27.400	175QT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,170:00:0	
2856	99	124	23:12:27.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2518.89 +/- 1	2R3	4	0	4,981,170:00:0	
2857	99	124	23:12:28.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2519.89 +/- 1	2R3	4	0	4,981,170:01:8	
2858	99	124	23:13:27.400	165JE4A	7SCAN	NORM,84.551,24.6	Check S/P Position	2R3	4	0	4,981,170:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2859	99	124	23:15:28.066	165JE4B	7VECT		Inert vect update UTC	2R3	4	0	4,981,172	89:0
2860	99	124	23:15:33.400	118JE	**SMOS**	GS		2R3	4	0	4,981,173	06:0
2861	99	124	23:15:35.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2519.89 +/- 1	2R3	4	0	4,981,173	09:0
2862	99	124	23:15:35.400	175JE422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,173	09:0
2863	99	124	23:15:42.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2519.89 +/- 1	2R3	4	0	4,981,173	19:0
2864	99	124	23:15:45.400	175JE176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,173	24:0
2865	99	124	23:15:46.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2526.19 +/- 1	2R3	4	0	4,981,173	25:0
2866	99	124	23:15:46.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2526.19 +/- 1	2R3	4	0	4,981,173	25:0
2867	99	124	23:15:46.733	118JE110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,173	26:0
2868	99	124	23:16:00.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2575.41 +/- 1	2R3	4	0	4,981,173	46:0
2869	99	124	23:16:00.066	175JE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,173	46:0
2870	99	124	23:16:01.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2576.41 +/- 1	2R3	4	0	4,981,173	47:8
2871	99	124	23:16:06.066	175KE422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,173	55:0
2872	99	124	23:16:06.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2576.41 +/- 1	2R3	4	0	4,981,173	55:0
2873	99	124	23:16:12.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2576.41 +/- 1	2R3	4	0	4,981,173	65:0
2874	99	124	23:16:16.066	175KE176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,173	70:0
2875	99	124	23:16:16.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2582.71 +/- 1	2R3	4	0	4,981,173	71:0
2876	99	124	23:16:16.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2582.71 +/- 1	2R3	4	0	4,981,173	71:0
2877	99	124	23:16:17.400	118JE11A	**SMOS**	GE		2R3	4	0	4,981,173	72:0
2878	99	124	23:16:22.066	165BH4A	7SCAN	NORM,87.283,23.5	Check S/P Position	2R3	4	0	4,981,173	79:0
2879	99	124	23:16:30.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2629.59 +/- 1	2R3	4	0	4,981,174	00:0
2880	99	124	23:16:30.066	175KE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,174	00:0
2881	99	124	23:16:31.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2630.59 +/- 1	2R3	4	0	4,981,174	01:8
2882	99	124	23:18:22.066	117BH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,981,175	77:0
2883	99	124	23:18:31.400	117BH105A106A4A	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,176	00:0
2884	99	124	23:22:03.400	117BH105A106A4B	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,981,179	45:0
2885	99	124	23:22:34.066	117BH105A106A4C	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,180	00:0
2886	99	124	23:26:06.066	117BH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,981,183	45:0
2887	99	124	23:27:42.066	165LV4A	7SCAN	NORM,86.544,26.4	Check S/P Position	2R3	4	0	4,981,185	07:0
2888	99	124	23:28:14.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2630.59 +/- 1	2R3	4	0	4,981,185	55:0
2889	99	124	23:28:14.066	175LV422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,185	55:0
2890	99	124	23:28:20.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2630.59 +/- 1	2R3	4	0	4,981,185	65:0
2891	99	124	23:28:24.066	175LV176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,185	70:0
2892	99	124	23:28:24.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2636.89 +/- 1	2R3	4	0	4,981,185	71:0
2893	99	124	23:28:24.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2636.89 +/- 1	2R3	4	0	4,981,185	71:0
2894	99	124	23:28:30.066	165BG4A	7SCAN	NORM,87.568,23.5	Check S/P Position	2R3	4	0	4,981,185	79:0
2895	99	124	23:28:38.066	175LV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,186	00:0
2896	99	124	23:28:38.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2683.76 +/- 1	2R3	4	0	4,981,186	00:0
2897	99	124	23:28:39.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2684.76 +/- 1	2R3	4	0	4,981,186	01:8
2898	99	124	23:32:30.066	165LQ4A	7SCAN	NORM,87.530999,2	Check S/P Position	2R3	4	0	4,981,189	75:0
2899	99	124	23:32:44.733	118LQ	**SMOS**	GS		2R3	4	0	4,981,190	06:0
2900	99	124	23:33:02.066	175LQ422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,190	32:0
2901	99	124	23:33:02.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2684.76 +/- 1	2R3	4	0	4,981,190	32:0
2902	99	124	23:33:08.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2684.76 +/- 1	2R3	4	0	4,981,190	42:0
2903	99	124	23:33:12.066	175LQ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,190	47:0
2904	99	124	23:33:12.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2691.06 +/- 1	2R3	4	0	4,981,190	48:0
2905	99	124	23:33:12.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2691.06 +/- 1	2R3	4	0	4,981,190	48:0
2906	99	124	23:33:13.400	118LQ110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,190	49:0
2907	99	124	23:33:28.733	118LQ11A	**SMOS**	GE		2R3	4	0	4,981,190	72:0
2908	99	124	23:33:33.400	165BF4A	7SCAN	NORM,87.693,23.5	Check S/P Position	2R3	4	0	4,981,190	79:0
2909	99	124	23:33:41.400	175LQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,191	00:0
2910	99	124	23:33:41.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2791.84 +/- 1	2R3	4	0	4,981,191	00:0
2911	99	124	23:33:42.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2792.84 +/- 1	2R3	4	0	4,981,191	01:8
2912	99	124	23:40:05.400	165JF4A	7SCAN	NORM,85.153,24.6	Check S/P Position	2R3	4	0	4,981,197	30:0
2913	99	124	23:40:44.733	165JF4B	7VECT		Inert vect update UTC	2R3	4	0	4,981,197	89:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2914	99	124	23:40:50.066	118JF	**SMOS**	GS		2R3	4	0	4,981,198:06:0	
2915	99	124	23:40:52.066	175JF422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,198:09:0	
2916	99	124	23:40:52.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2792.84 +/- 1	2R3	4	0	4,981,198:09:0	
2917	99	124	23:40:58.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2792.84 +/- 1	2R3	4	0	4,981,198:19:0	
2918	99	124	23:41:02.066	175JF176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,198:24:0	
2919	99	124	23:41:02.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2799.14 +/- 1	2R3	4	0	4,981,198:25:0	
2920	99	124	23:41:02.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2799.14 +/- 1	2R3	4	0	4,981,198:25:0	
2921	99	124	23:41:03.400	118JF110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,198:26:0	
2922	99	124	23:41:16.733	175JF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,198:46:0	
2923	99	124	23:41:16.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2848.36 +/- 1	2R3	4	0	4,981,198:46:0	
2924	99	124	23:41:17.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2849.36 +/- 1	2R3	4	0	4,981,198:47:8	
2925	99	124	23:41:22.733	175KF422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,198:55:0	
2926	99	124	23:41:22.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2849.36 +/- 1	2R3	4	0	4,981,198:55:0	
2927	99	124	23:41:29.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2849.36 +/- 1	2R3	4	0	4,981,198:65:0	
2928	99	124	23:41:32.733	175KF176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,198:70:0	
2929	99	124	23:41:33.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2855.66 +/- 1	2R3	4	0	4,981,198:71:0	
2930	99	124	23:41:33.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2855.66 +/- 1	2R3	4	0	4,981,198:71:0	
2931	99	124	23:41:34.066	118JF11A	**SMOS**	GE		2R3	4	0	4,981,198:72:0	
2932	99	124	23:41:38.733	165BE4A	7SCAN	NORM,87.879,23.5	Check S/P Position	2R3	4	0	4,981,198:79:0	
2933	99	124	23:41:46.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2902.54 +/- 1	2R3	4	0	4,981,199:00:0	
2934	99	124	23:41:46.733	175KF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,199:00:0	
2935	99	124	23:41:47.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2903.54 +/- 1	2R3	4	0	4,981,199:01:8	
2936	99	124	23:43:38.733	117BE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,981,200:77:0	
2937	99	124	23:43:48.066	117BE105A106A4A	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,201:00:0	
2938	99	124	23:47:20.066	117BE105A106A4B	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,981,204:45:0	
2939	99	124	23:47:50.733	117BE105A106A4C	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,205:00:0	
2940	99	124	23:51:22.733	117BE105A106A4D	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,981,208:45:0	
2941	99	124	23:51:53.400	117BE105A106A4E	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,209:00:0	
2942	99	124	23:55:25.400	117BE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,981,212:45:0	
2943	99	124	23:57:46.733	165LR4A	7SCAN	NORM,88.101,23.9	Check S/P Position	2R3	4	0	4,981,214:75:0	
2944	99	124	23:58:01.400	118LR	**SMOS**	GS		2R3	4	0	4,981,215:06:0	
2945	99	124	23:58:18.733	175LR422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,215:32:0	
2946	99	124	23:58:18.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2903.54 +/- 1	2R3	4	0	4,981,215:32:0	
2947	99	124	23:58:25.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 2903.54 +/- 1	2R3	4	0	4,981,215:42:0	
2948	99	124	23:58:28.733	175LR176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,215:47:0	
2949	99	124	23:58:29.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2909.84 +/- 1	2R3	4	0	4,981,215:48:0	
2950	99	124	23:58:29.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2909.84 +/- 1	2R3	4	0	4,981,215:48:0	
2951	99	124	23:58:30.066	118LR110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,215:49:0	
2952	99	124	23:58:45.400	118LR11A	**SMOS**	GE		2R3	4	0	4,981,215:72:0	
2953	99	124	23:58:50.066	165BD4A	7SCAN	NORM,88.280999,2	Check S/P Position	2R3	4	0	4,981,215:79:0	
2954	99	124	23:58:58.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3010.62 +/- 1	2R3	4	0	4,981,216:00:0	
2955	99	124	23:58:58.066	175LR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,216:00:0	
2956	99	124	23:58:59.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3011.62 +/- 1	2R3	4	0	4,981,216:01:8	
2957	99	125	00:05:22.066	165JG4A	7SCAN	NORM,85.747,24.6	Check S/P Position	2R3	4	0	4,981,222:30:0	
2958	99	125	00:06:01.400	165JG4B	7VECT		Inert vect update UTC	2R3	4	0	4,981,222:89:0	
2959	99	125	00:06:06.733	118JG	**SMOS**	GS		2R3	4	0	4,981,223:06:0	
2960	99	125	00:06:08.733	175JG422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,223:09:0	
2961	99	125	00:06:08.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3011.62 +/- 1	2R3	4	0	4,981,223:09:0	
2962	99	125	00:06:15.400		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3011.62 +/- 1	2R3	4	0	4,981,223:19:0	
2963	99	125	00:06:18.733	175JG176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,223:24:0	
2964	99	125	00:06:19.400		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3017.92 +/- 1	2R3	4	0	4,981,223:25:0	
2965	99	125	00:06:19.400		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3017.92 +/- 1	2R3	4	0	4,981,223:25:0	
2966	99	125	00:06:20.066	118JG110A111A4A	7STRP	0.00731,-0.0007,	Slew =,3.71	2R3	4	0	4,981,223:26:0	
2967	99	125	00:06:33.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3067.14 +/- 1	2R3	4	0	4,981,223:46:0	
2968	99	125	00:06:33.400	175JG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,223:46:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2969	99	125	00:06:34.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3068.14 +/- 1	2R3	4	0	4,981,223:47:8	
2970	99	125	00:06:39.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3068.14 +/- 1	2R3	4	0	4,981,223:55:0	
2971	99	125	00:06:39.400	175KG422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,981,223:55:0	
2972	99	125	00:06:46.066		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3068.14 +/- 1	2R3	4	0	4,981,223:65:0	
2973	99	125	00:06:49.400	175KG176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,981,223:70:0	
2974	99	125	00:06:50.066		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3074.44 +/- 1	2R3	4	0	4,981,223:71:0	
2975	99	125	00:06:50.066		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3074.44 +/- 1	2R3	4	0	4,981,223:71:0	
2976	99	125	00:06:50.733	118JG11A	**SMOS**	GE		2R3	4	0	4,981,223:72:0	
2977	99	125	00:06:55.400	165BC4A	7SCAN	NORM,88.474999,2	Check S/P Position	2R3	4	0	4,981,223:79:0	
2978	99	125	00:07:03.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3121.31 +/- 1	2R3	4	0	4,981,224:00:0	
2979	99	125	00:07:03.400	175KG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,224:00:0	
2980	99	125	00:07:04.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3122.31 +/- 2	2R3	4	0	4,981,224:01:8	
2981	99	125	00:07:54.733	117BC	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,981,224:77:0	
2982	99	125	00:08:04.066	117BC105A106A4A	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,225:00:0	
2983	99	125	00:11:36.066	117BC105A106A4B	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,981,228:45:0	
2984	99	125	00:12:06.733	117BC105A106A4C	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,229:00:0	
2985	99	125	00:15:38.733	117BC105A106A4D	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,981,232:45:0	
2986	99	125	00:16:09.400	117BC105A106A4E	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,233:00:0	
2987	99	125	00:19:41.400	117BC105A106A4F	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,981,236:45:0	
2988	99	125	00:20:12.066	117BC105A106A4G	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,237:00:0	
2989	99	125	00:23:44.066	117BC105A106A4H	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,981,240:45:0	
2990	99	125	00:24:14.733	117BC105A106A4I	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,241:00:0	
2991	99	125	00:27:46.733	117BC105A106A4J	7STRP	0.00001,0.0,0,0,	Slew =12.01	2R3	4	0	4,981,244:45:0	
2992	99	125	00:28:17.400	117BC105A106A4K	7STRP	-0.0016,0.0,0,0,	Slew =,0.02	2R3	4	0	4,981,245:00:0	
2993	99	125	00:31:49.400	117BC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,981,248:45:0	
2994	99	125	00:50:11.400	488AJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,981,266:60:0	
2995	99	125	01:13:46.733	165GZ4A	7SCAN	NORM,88.280999,2	Check S/P Position	2R3	4	0	4,981,289:90:0	
2996	99	125	01:15:39.400	117GZ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,981,291:77:0	
2997	99	125	01:15:48.733	117GZ105A106A4A	7STRP	-0.0045,0.0,0,0,	Slew =,0.01	2R3	4	0	4,981,292:00:0	
2998	99	125	01:27:26.066	117GZ105A106A4B	7STRP	-0.0035,0.0,0,0,	Slew =12.01	2R3	4	0	4,981,303:45:0	
2999	99	125	01:39:04.066	117GZ105A106A4C	7STRP	-0.0045,0.0,0,0,	Slew =,0.01	2R3	4	0	4,981,315:00:0	
3000	99	125	01:50:41.400	117GZ105A106A4D	7STRP	-0.0035,0.0,0,0,	Slew =12.01	2R3	4	0	4,981,326:45:0	
3001	99	125	02:02:19.400	117GZ105A106A4E	7STRP	-0.0045,0.0,0,0,	Slew =,0.01	2R3	4	0	4,981,338:00:0	
3002	99	125	02:13:56.733	117GZ105A106A4F	7STRP	-0.0035,0.0,0,0,	Slew =12.01	2R3	4	0	4,981,349:45:0	
3003	99	125	02:25:34.733	117GZ105A106A4G	7STRP	-0.0045,0.0,0,0,	Slew =,0.01	2R3	4	0	4,981,361:00:0	
3004	99	125	02:37:12.066	117GZ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,981,372:45:0	
3005	99	125	02:49:20.066	165BA4A	7SCAN	NORM,109.601999,	Check S/P Position	2R3	4	0	4,981,384:45:0	
3006	99	125	03:31:01.400	488AJ6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,981,425:66:0	
3007	99	125	03:54:33.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3122.31 +/- 2	2R3	4	0	4,981,449:00:0	
3008	99	125	03:54:33.400	411JA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,981,449:00:0	
3009	99	125	03:54:40.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3122.31 +/- 2	2R3	4	0	4,981,449:10:0	
3010	99	125	03:54:41.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3122.43 +/- 2	2R3	4	0	4,981,449:12:1	
3011	99	125	03:54:41.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3122.43 +/- 2	2R3	4	0	4,981,449:12:1	
3012	99	125	03:54:43.400	411JA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	4,981,449:15:0	
3013	99	125	03:56:44.733	411JA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,981,451:15:0	
3014	99	125	03:56:45.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3151.48 +/- 2	2R3	4	0	4,981,451:16:0	
3015	99	125	03:56:45.400	411JA6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,981,451:16:0	
3016	99	125	03:56:46.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3151.54 +/- 2	2R3	4	0	4,981,451:17:8	
3017	99	125	05:33:05.400	488AJ6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,981,546:41:0	
3018	99	125	05:43:11.400	488AJ6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,981,556:40:0	
3019	99	125	06:30:15.400	488AJ6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,981,602:90:0	
3020	99	125	11:45:07.333	488AK6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	4,981,914:36:0	
3021	99	125	11:57:50.666	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	4,981,926:89:0	
3022	99	125	12:01:00.666	20YC6A	6HICON			2R3	4	0	4,981,930:10:0	
3023	99	125	12:01:54.666	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2R3	4	0	4,981,931:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3024	99	125	12:03:55.333	165GY4A	7SCAN	NORM,102.035999,	Check S/P Position	2R3	4	0	4,981,932:90:0	
3025	99	125	12:07:49.333	117GY	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,981,936:77:0	
3026	99	125	12:07:58.666	117GY105A106A4A	7STRP	0.03071,0.0,0,0,	Slew =,0.01	2R3	4	0	4,981,937:00:0	
3027	99	125	12:27:47.333	488AK6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,981,956:54:0	
3028	99	125	12:51:32.666	488AK6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	4,981,980:08:0	
3029	99	125	12:55:30.000	488AK6D	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	2R3	4	0	4,981,984:00:0	
3030	99	125	13:00:00.000	481UB4A	7VECT	BB2	Inert vect update UTC	2R3	4	0	4,981,988:41:0	
3031	99	125	13:00:20.000	117GY105A106A4B	7STRP	-0.041524,-0.009	Slew =12.01	2R3	4	0	4,981,988:71:0	
3032	99	125	13:00:33.333	117GY105A106A4C	7STRP	0.03071,0.0,0,0,	Slew =,0.01	2R3	4	0	4,981,989:00:0	
3033	99	125	13:52:54.666	117GY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,982,040:71:0	
3034	99	125	13:57:23.333	488AK6E	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R3	4	0	4,982,045:19:0	
3035	99	125	14:08:17.333	165IA4A	7SCAN	NORM,110.542,22.	Check S/P Position	2R3	4	0	4,982,055:90:0	
3036	99	125	14:18:21.333	175IA422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,982,065:86:0	
3037	99	125	14:18:21.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3151.54 +/- 2	2R3	4	0	4,982,065:86:0	
3038	99	125	14:18:23.333	165IA4B	7VECT		Inert vect update UTC	2R3	4	0	4,982,065:89:0	
3039	99	125	14:18:28.000		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3151.54 +/- 2	2R3	4	0	4,982,066:05:0	
3040	99	125	14:18:31.333	175IA176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,982,066:10:0	
3041	99	125	14:18:32.000		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3157.84 +/- 2	2R3	4	0	4,982,066:11:0	
3042	99	125	14:18:32.000		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3157.84 +/- 2	2R3	4	0	4,982,066:11:0	
3043	99	125	14:18:44.666	165IB4A	7SCAN	NORM,109.384999,	Check S/P Position	2R3	4	0	4,982,066:30:0	
3044	99	125	14:19:25.333	175IA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,982,067:00:0	
3045	99	125	14:19:25.333		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3345.34 +/- 2	2R3	4	0	4,982,067:00:0	
3046	99	125	14:19:26.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3346.34 +/- 2	2R3	4	0	4,982,067:01:8	
3047	99	125	14:20:22.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3346.34 +/- 2	2R3	4	0	4,982,067:86:0	
3048	99	125	14:20:22.666	175IB422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	4,982,067:86:0	
3049	99	125	14:20:24.666	165IB4B	7VECT		Inert vect update UTC	2R3	4	0	4,982,067:89:0	
3050	99	125	14:20:29.333		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3346.34 +/- 2	2R3	4	0	4,982,068:05:0	
3051	99	125	14:20:32.666	175IB176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	4,982,068:10:0	
3052	99	125	14:20:33.333		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3352.64 +/- 2	2R3	4	0	4,982,068:11:0	
3053	99	125	14:20:33.333		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3352.64 +/- 2	2R3	4	0	4,982,068:11:0	
3054	99	125	14:21:26.666	175IB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,982,069:00:0	
3055	99	125	14:21:26.666		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3540.14 +/- 2	2R3	4	0	4,982,069:00:0	
3056	99	125	14:21:27.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3541.14 +/- 2	2R3	4	0	4,982,069:01:8	
3057	**99**	**125**	**14:21:30.666**	**20NNCATMOS01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3058	**99**	**125**	**14:21:37.333**	**20DL5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**4,982,069:16:0**	
3059	**99**	**125**	**14:21:40.666**	**20DL5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**4,982,069:21:0**	
3060	**99**	**125**	**14:21:50.666**	**20DL6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**4,982,069:36:0**	
3061	99	125	14:21:56.000	165IC4A	7SCAN	NORM,111.62,23.2	Check S/P Position	2R3	4	0	4,982,069:44:0	
3062	**99**	**125**	**14:22:00.666**	**20DL6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**4,982,069:51:0**	
3063	**99**	**125**	**14:22:10.666**	**20DL5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,982,069:66:0**	
3064	**99**	**125**	**14:22:14.000**	**20DL5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,982,069:71:0**	
3065	**99**	**125**	**14:22:20.000**	**20DL4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,982,069:80:0**	
3066	99	125	14:22:48.666	175IC422A6A	6DMSC	R115,1	DMS Control	2R0	4	0	4,982,070:32:0	
3067	99	125	14:22:48.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3541.14 +/- 2	2R0	4	0	4,982,070:32:0	
3068	99	125	14:22:55.333		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 3541.14 +/- 2	2R0	4	0	4,982,070:42:0	
3069	99	125	14:22:56.000	165IC4B	7VECT		Inert vect update UTC	2R0	4	0	4,982,070:43:0	
3070	99	125	14:22:58.666	175IC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R0	4	0	4,982,070:47:0	
3071	99	125	14:22:59.333		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3547.44 +/- 2	2R0	4	0	4,982,070:48:0	
3072	99	125	14:22:59.333		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3547.44 +/- 2	2R0	4	0	4,982,070:48:0	
3073	99	125	14:23:23.333	125DL	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,982,070:84:0	
3074	99	125	14:23:23.333	125DL11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,982,070:84:0	
3075	**99**	**125**	**14:23:23.333**	**125DL4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,982,070:84:0**	
3076	**99**	**125**	**14:23:32.000**	**20NNCATMOS01-**		**-----STOP-------**		**4R0**	**4**	**0**	**: :**	
3077	99	125	14:24:24.000	127DL	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,982,071:84:0	
3078	**99**	**125**	**14:24:24.000**	**127DL4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,982,071:84:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3079	**99**	**125**	**14:24:24.666**	**127DL4B**	**37ETB**	**07,C7,02,3D,FF,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,982,071:85:0**	
3080	**99**	**125**	**14:24:32.666**	**20CNCATMOS01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3081	99	125	14:24:32.666	127DL11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,982,072:06:0	
3082	99	125	14:24:35.333	165DO4A	**7SCAN**	**NORM,111.396,23.**	**Check S/P Position**	4R3	4	0	4,982,072:10:0	
3083	99	125	14:24:40.666		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3903.69 +/- 2	4R3	4	0	4,982,072:18:0	
3084	99	125	14:24:40.666	175IC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,982,072:18:0	
3085	99	125	14:24:41.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3904.69 +/- 2	4R3	4	0	4,982,072:19:8	
3086	99	125	14:27:19.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3904.69 +/- 2	4R3	4	0	4,982,074:74:0	
3087	99	125	14:27:19.333	175DL422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,982,074:74:0	
3088	99	125	14:27:26.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3904.69 +/- 2	4R3	4	0	4,982,074:84:0	
3089	99	125	14:27:27.333	175DL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,982,074:86:0	
3090	99	125	14:27:27.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3904.81 +/- 2	4R3	4	0	4,982,074:86:1	
3091	99	125	14:27:27.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3904.81 +/- 2	4R3	4	0	4,982,074:86:1	
3092	99	125	14:27:29.333	165DO4B	7VECT		Inert vect update UTC	4R3	4	0	4,982,074:89:0	
3093	**99**	**125**	**14:27:30.666**	**20CNCATMOS01-**	**NIMPBK**	**301DL**	**CALLISTO LIMB SCAN**	**4R3**	**4**	**0**	**: :**	
3094	**99**	**125**	**14:32:32.000**	**20CNCATMOS01-**	**NIMPBK**	**301EJ**	**CALLISTO LIMB SCAN**	**4R3**	**4**	**0**	**: :**	
3095	**99**	**125**	**14:34:52.000**	**20CNCATMOS01-**	**DESELC**	**300EJ**	**CALLISTO LIMB SCAN**	**4R3**	**4**	**0**	**: :**	
3096	**99**	**125**	**14:37:26.000**	**20CNCATMOS01-**	**DESELC**	**300DL**	**CALLISTO LIMB SCAN**	**4R3**	**4**	**0**	**: :**	
3097	99	125	14:37:28.000	175DL422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,982,084:77:0	
3098	99	125	14:37:28.000	175DL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,982,084:77:0	
3099	99	125	14:37:28.000		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4045.57 +/- 2	4R3	4	0	4,982,084:77:0	
3100	99	125	14:37:29.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4045.63 +/- 2	4R3	4	0	4,982,084:78:8	
3101	99	125	14:37:36.666	165DK4A	**7SCAN**	**NORM,102.441999,**	**Check S/P Position**	4R3	4	0	4,982,084:90:0	
3102	**99**	**125**	**14:37:41.333**	**20CNFEATRE01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3103	**99**	**125**	**14:37:41.333**	**20CNCATMOS01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3104	99	125	14:38:24.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4045.63 +/- 2	4R3	4	0	4,982,085:71:0	
3105	99	125	14:38:24.666	175DK422A6A	6DMSC	R28,1	DMS Control	4R3	4	0	4,982,085:71:0	
3106	99	125	14:38:28.666	117DK	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,982,085:77:0	
3107	99	125	14:38:31.333		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 4045.63 +/- 2	4R3	4	0	4,982,085:81:0	
3108	99	125	14:38:33.333	127DK	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,982,085:84:0	
3109	**99**	**125**	**14:38:33.333**	**127DK4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,982,085:84:0**	
3110	**99**	**125**	**14:38:34.000**	**127DK4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,982,085:85:0**	
3111	99	125	14:38:34.666	175DK176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,982,085:86:0	
3112	99	125	14:38:35.333		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *4047.13 +/- 2	4R3	4	0	4,982,085:87:0	
3113	99	125	14:38:35.333		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 4047.13 +/- 2	4R3	4	0	4,982,085:87:0	
3114	99	125	14:38:36.666	165DK4B	7VECT		Inert vect update UTC	4R3	4	0	4,982,085:89:0	
3115	**99**	**125**	**14:38:38.000**	**20CNFEATRE01-**	**NIMPBK**	**301DK**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**: :**	
3116	99	125	14:38:38.000	431MB6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	4R3	4	0	4,982,086:00:0	
3117	99	125	14:38:38.000	117DK105A106A4A	**7STRP**	**0.008,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	4,982,086:00:0	
3118	**99**	**125**	**14:38:38.000**	**20CNFEATRE01-**	**NIMPBK**	**301EQ**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**: :**	
3119	99	125	14:38:42.000	127DK11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,982,086:06:0	
3120	99	125	14:43:06.666	117DK105A106A4B	**7STRP**	**-0.0076,0.008,0,**	**Slew =12.01**	4R3	4	0	4,982,090:39:0	
3121	**99**	**125**	**14:43:06.666**	**20CNFEATRE01-**	**DESELC**	**300DK**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**: :**	
3122	**99**	**125**	**14:43:06.666**	**20CNFEATRE01-**	**DESELC**	**300EQ**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**: :**	
3123	**99**	**125**	**14:43:15.333**	**20CNFEATRE01-**	**NIMPBK**	**301EA**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**: :**	
3124	99	125	14:43:17.333	117DK105A106A4C	**7STRP**	**0.008,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	4,982,090:55:0	
3125	99	125	14:47:42.000	432MB431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	4,982,094:88:0	
3126	99	125	14:47:42.666	432MB6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,982,094:89:0	
3127	99	125	14:47:46.000	117DK11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,982,095:03:0	
3128	**99**	**125**	**14:47:46.000**	**20CNFEATRE01-**	**DESELC**	**300EA**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**: :**	
3129	99	125	14:48:35.333		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *4574.48 +/- 2	4R3	4	0	4,982,095:77:0	
3130	99	125	14:48:35.333	175DK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,982,095:77:0	
3131	99	125	14:48:36.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4574.78 +/- 2	4R3	4	0	4,982,095:78:8	
3132	**99**	**125**	**14:48:48.666**	**20CNFEATRE01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3133	**99**	**125**	**14:48:55.333**	**20DM5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,982,096:16:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3134	99	125	14:48:58.000	165ID4A	**7SCAN**	**NORM,95.889,25.7**	**Check S/P Position**	4R3	4	0	4,982,096	20:0
3135	**99**	**125**	**14:48:58.666**	**20DM5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,982,096**	**21:0**
3136	**99**	**125**	**14:49:08.666**	**20DM6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,982,096**	**36:0**
3137	**99**	**125**	**14:49:18.666**	**20DM6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,982,096**	**51:0**
3138	**99**	**125**	**14:49:28.666**	**20DM5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,982,096**	**66:0**
3139	**99**	**125**	**14:49:32.000**	**20DM5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,982,096**	**71:0**
3140	**99**	**125**	**14:49:38.000**	**20DM4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,982,096**	**80:0**
3141	99	125	14:50:41.333	125DM	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,982,097	84:0
3142	99	125	14:50:41.333	125DM11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,982,097	84:0
3143	**99**	**125**	**14:50:41.333**	**125DM4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,982,097**	**84:0**
3144	99	125	14:50:42.666	175ID422A6A	6DMSC	R115,1	DMS Control	4R0	4	0	4,982,097	86:0
3145	99	125	14:50:42.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4574.78 +/- 2	4R0	4	0	4,982,097	86:0
3146	99	125	14:50:44.000	118ID	**SMOS**	GS		4R0	4	0	4,982,097	88:0
3147	99	125	14:50:44.666	165ID4B	7VECT		Inert vect update UTC	4R0	4	0	4,982,097	89:0
3148	99	125	14:50:49.333		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4574.78 +/- 2	4R0	4	0	4,982,098	05:0
3149	99	125	14:50:52.666	175ID176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4R0	4	0	4,982,098	10:0
3150	99	125	14:50:53.333		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4581.08 +/- 2	4R0	4	0	4,982,098	11:0
3151	99	125	14:50:53.333		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4581.08 +/- 2	4R0	4	0	4,982,098	11:0
3152	99	125	14:50:54.000	118ID110A111A4A	7STRP	0.0008,0.00731,3	Slew =,3.81	4R0	4	0	4,982,098	12:0
3153	99	125	14:51:46.666		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4768.58 +/- 2	4R0	4	0	4,982,099	00:0
3154	99	125	14:51:46.666	175ID422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R0	4	0	4,982,099	00:0
3155	99	125	14:51:47.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4769.58 +/- 2	4R0	4	0	4,982,099	01:8
3156	**99**	**125**	**14:51:50.666**	**20NNFEATRE02-**		**-----START------**		**4R0**	**4**	**0**	**:**	**:**
3157	99	125	14:52:42.666	127DM	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,982,099	84:0
3158	**99**	**125**	**14:52:42.666**	**127DM4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,982,099**	**84:0**
3159	**99**	**125**	**14:52:43.333**	**127DM4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,982,099**	**85:0**
3160	99	125	14:52:44.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4769.58 +/- 2	4R3	4	0	4,982,099	86:0
3161	99	125	14:52:44.000	175JD422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	4,982,099	86:0
3162	99	125	14:52:50.666		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4769.58 +/- 2	4R3	4	0	4,982,100	05:0
3163	99	125	14:52:51.333	127DM11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,982,100	06:0
3164	99	125	14:52:54.000	175JD176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,982,100	10:0
3165	99	125	14:52:54.666		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4775.88 +/- 2	4R3	4	0	4,982,100	11:0
3166	99	125	14:52:54.666		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4775.88 +/- 2	4R3	4	0	4,982,100	11:0
3167	99	125	14:52:55.333	118ID11A	**SMOS**	GE		4R3	4	0	4,982,100	12:0
3168	99	125	14:53:48.000		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4963.38 +/- 2	4R3	4	0	4,982,101	00:0
3169	99	125	14:53:48.000	175JD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,982,101	00:0
3170	99	125	14:53:49.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4964.38 +/- 2	4R3	4	0	4,982,101	01:8
3171	**99**	**125**	**14:53:52.000**	**20NNFEATRE02-**		**-----STOP-------**		**4R3**	**4**	**0**	**:**	**:**
3172	99	125	14:54:48.000	165DL4A	**7SCAN**	**NORM,97.844,27.0**	**Check S/P Position**	4R3	4	0	4,982,101	90:0
3173	**99**	**125**	**14:54:52.666**	**20CNFEATRE02-**		**-----START------**		**4R3**	**4**	**0**	**:**	**:**
3174	99	125	14:58:38.000	175DM422A6A	6DMSC	R28,1	DMS Control	4R3	4	0	4,982,105	71:0
3175	99	125	14:58:38.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4964.38 +/- 2	4R3	4	0	4,982,105	71:0
3176	99	125	14:58:42.000	117DL	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,982,105	77:0
3177	99	125	14:58:44.666		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 4964.38 +/- 2	4R3	4	0	4,982,105	81:0
3178	99	125	14:58:48.000	175DM176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,982,105	86:0
3179	99	125	14:58:48.666		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *4965.88 +/- 2	4R3	4	0	4,982,105	87:0
3180	99	125	14:58:48.666		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 4965.88 +/- 2	4R3	4	0	4,982,105	87:0
3181	99	125	14:58:50.000	165DL4B	7VECT		Inert vect update UTC	4R3	4	0	4,982,105	89:0
3182	**99**	**125**	**14:58:51.333**	**20CNFEATRE02-**	**NIMPBK**	**301DM**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**:**	**:**
3183	99	125	14:58:51.333	117DL105A106A4A	**7STRP**	**0.032511,0.0,0,0**	**Slew =,0.03**	4R3	4	0	4,982,106	00:0
3184	99	125	14:58:51.333	431MC6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	4R3	4	0	4,982,106	00:0
3185	99	125	15:04:10.666	488AL6A	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	4R3	4	0	4,982,111	24:0
3186	**99**	**125**	**15:07:13.333**	**20CNFEATRE02-**	**NIMPBK**	**301EB**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**:**	**:**
3187	**99**	**125**	**15:07:23.333**	**20CNFEATRE02-**	**DESELC**	**300DM**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**:**	**:**
3188	**99**	**125**	**15:09:02.000**	**20CNFEATRE02-**		**-----STOP-------**		**4R3**	**4**	**0**	**:**	**:**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3189	**99**	**125**	**15:17:00.000**	**20CNFEATRE02-**	**DESELC**	**300EB**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**: :**	
3190	99	125	15:17:00.000	117DL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,982,123:86:0	
3191	99	125	15:17:01.333	432MC431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	4,982,123:88:0	
3192	99	125	15:17:02.000	432MC6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,982,123:89:0	
3193	99	125	15:17:10.666	175DM422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,982,124:11:0	
3194	99	125	15:17:10.666		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *5934.43 +/- 2	4R3	4	0	4,982,124:11:0	
3195	99	125	15:17:11.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5934.73 +/- 2	4R3	4	0	4,982,124:12:8	
3196	99	125	15:19:04.666	465KF6A	6DMSC	RDY,2	DMS Control Tape stop	4R3	4	0	4,982,126:00:0	
3197	99	125	15:19:04.666		DMS:	: READY	RDY, TRACK *2, *REV, TIC 5934.73 +/- 2	4R3	4	0	4,982,126:00:0	
3198	99	125	15:23:20.666	165IE4A	7SCAN	NORM,92.749,24.7	Check S/P Position	4R3	4	0	4,982,130:20:0	
3199	99	125	15:24:03.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5934.73 +/- 2	4R3	4	0	4,982,130:84:0	
3200	99	125	15:24:03.333	175IE422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,982,130:84:0	
3201	99	125	15:24:04.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5934.85 +/- 2	4R3	4	0	4,982,130:86:1	
3202	99	125	15:24:06.666	165IE4B	7VECT		Inert vect update UTC	4R3	4	0	4,982,130:89:0	
3203	99	125	15:24:10.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5936.09 +/- 2	4R3	4	0	4,982,131:03:0	
3204	99	125	15:24:11.200		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5936.15 +/- 2	4R3	4	0	4,982,131:04:8	
3205	99	125	15:24:14.666	175IE176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,982,131:10:0	
3206	99	125	15:24:15.200		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5929.85 +/- 2	4R3	4	0	4,982,131:10:8	
3207	99	125	15:24:15.200		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5929.85 +/- 2	4R3	4	0	4,982,131:10:8	
3208	99	125	15:25:08.666		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5741.88 +/- 2	4R3	4	0	4,982,132:00:0	
3209	99	125	15:25:08.666	175IE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,982,132:00:0	
3210	99	125	15:25:09.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5740.88 +/- 2	4R3	4	0	4,982,132:01:8	
3211	99	125	15:25:22.000	165IF4A	7SCAN	NORM,92.516999,2	Check S/P Position	4R3	4	0	4,982,132:20:0	
3212	99	125	15:27:05.333	175IF422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,982,133:84:0	
3213	99	125	15:27:05.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5740.88 +/- 2	4R3	4	0	4,982,133:84:0	
3214	99	125	15:27:06.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5741.00 +/- 2	4R3	4	0	4,982,133:86:1	
3215	99	125	15:27:08.666	165IF4B	7VECT		Inert vect update UTC	4R3	4	0	4,982,133:89:0	
3216	99	125	15:27:12.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5742.23 +/- 2	4R3	4	0	4,982,134:03:0	
3217	99	125	15:27:13.200		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5742.29 +/- 2	4R3	4	0	4,982,134:04:8	
3218	**99**	**125**	**15:27:14.000**	**20NNFEATRE03-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3219	99	125	15:27:16.666	175IF176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,982,134:10:0	
3220	99	125	15:27:17.200		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5735.99 +/- 2	4R3	4	0	4,982,134:10:8	
3221	99	125	15:27:17.200		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5735.99 +/- 2	4R3	4	0	4,982,134:10:8	
3222	**99**	**125**	**15:27:20.666**	**20DN5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,982,134:16:0**	
3223	**99**	**125**	**15:27:24.000**	**20DN5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,982,134:21:0**	
3224	**99**	**125**	**15:27:34.000**	**20DN6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,982,134:36:0**	
3225	**99**	**125**	**15:27:44.000**	**20DN6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,982,134:51:0**	
3226	**99**	**125**	**15:27:54.000**	**20DN5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,982,134:66:0**	
3227	**99**	**125**	**15:27:57.333**	**20DN5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,982,134:71:0**	
3228	**99**	**125**	**15:28:03.333**	**20DN4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,982,134:80:0**	
3229	99	125	15:28:11.333		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5545.68 +/- 2	2R0	4	0	4,982,135:01:0	
3230	99	125	15:28:11.333	175IF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,982,135:01:0	
3231	99	125	15:28:12.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5544.68 +/- 2	2R0	4	0	4,982,135:02:8	
3232	**99**	**125**	**15:29:06.666**	**125DN4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,982,135:84:0**	
3233	99	125	15:29:06.666	125DN11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,982,135:84:0	
3234	99	125	15:29:06.666	125DN	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,982,135:84:0	
3235	99	125	15:29:10.666	165DM4A	**7SCAN**	**NORM,93.712999,2**	**Check S/P Position**	4R0	4	0	4,982,135:90:0	
3236	**99**	**125**	**15:29:15.333**	**20CNFEATRE03-**		**-----START------**		**4R0**	**4**	**0**	**: :**	
3237	**99**	**125**	**15:29:15.333**	**20NNFEATRE03-**		**-----STOP-------**		**4R0**	**4**	**0**	**: :**	
3238	99	125	15:30:07.333	127DN	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,982,136:84:0	
3239	**99**	**125**	**15:30:07.333**	**127DN4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,982,136:84:0**	
3240	**99**	**125**	**15:30:08.000**	**127DN4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,982,136:85:0**	
3241	99	125	15:30:16.000	127DN11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,982,137:06:0	
3242	99	125	15:32:59.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5544.68 +/- 2	4R3	4	0	4,982,139:69:0	
3243	99	125	15:32:59.333	175DN422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R3	4	0	4,982,139:69:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3244	99	125	15:33:00.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5544.80 +/- 2	4R3	4	0	4,982,139:71:1	
3245	99	125	15:33:04.666	117DM	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,982,139:77:0	
3246	99	125	15:33:06.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5546.03 +/- 2	4R3	4	0	4,982,139:79:0	
3247	99	125	15:33:07.200		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *5546.09 +/- 2	4R3	4	0	4,982,139:80:8	
3248	99	125	15:33:10.666	175DN176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,982,139:86:0	
3249	99	125	15:33:11.200		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *5544.59 +/- 2	4R3	4	0	4,982,139:86:8	
3250	99	125	15:33:11.200		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 5544.59 +/- 2	4R3	4	0	4,982,139:86:8	
3251	99	125	15:33:12.666	165DM4B	7VECT		Inert vect update UTC	4R3	4	0	4,982,139:89:0	
3252	**99**	**125**	**15:33:14.000**	**20CNFEATRE03-**	**NIMPBK**	**301DN**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**: :**	
3253	99	125	15:33:14.000	117DM105A106A4A	**7STRP**	**0.018002,0.0,0,0**	**Slew =,0.03**	4R3	4	0	4,982,140:00:0	
3254	**99**	**125**	**15:38:00.000**	**20CNFEATRE03-**	**NIMPBK**	**301EC**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**: :**	
3255	**99**	**125**	**15:38:11.333**	**20CNFEATRE03-**	**DESELC**	**300DN**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**: :**	
3256	**99**	**125**	**15:43:10.666**	**20CNFEATRE03-**	**DESELC**	**300EC**	**CALLISTO HI-RES OBS**	**4R3**	**4**	**0**	**: :**	
3257	99	125	15:43:11.333	175DN422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,982,149:77:0	
3258	99	125	15:43:11.333		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *5017.13 +/- 2	4R3	4	0	4,982,149:77:0	
3259	99	125	15:43:12.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5016.83 +/- 2	4R3	4	0	4,982,149:78:8	
3260	99	125	15:43:17.333	117DM11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,982,149:86:0	
3261	**99**	**125**	**15:43:24.666**	**20CNFEATRE03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3262	99	125	15:53:43.333	165IG4A	7SCAN	NORM,91.889999,2	Check S/P Position	4R3	4	0	4,982,160:24:0	
3263	99	125	15:56:51.333	175IG422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,982,163:33:0	
3264	99	125	15:56:51.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5016.83 +/- 2	4R3	4	0	4,982,163:33:0	
3265	99	125	15:56:52.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5016.95 +/- 2	4R3	4	0	4,982,163:35:1	
3266	99	125	15:56:58.000	165IG4B	7VECT		Inert vect update UTC	4R3	4	0	4,982,163:43:0	
3267	99	125	15:56:58.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5018.19 +/- 2	4R3	4	0	4,982,163:43:0	
3268	99	125	15:56:59.200		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5018.25 +/- 2	4R3	4	0	4,982,163:44:8	
3269	99	125	15:57:02.666	175IG176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	4,982,163:50:0	
3270	99	125	15:57:03.200		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5011.95 +/- 2	4R3	4	0	4,982,163:50:8	
3271	99	125	15:57:03.200		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5011.95 +/- 2	4R3	4	0	4,982,163:50:8	
3272	99	125	15:57:30.666		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4915.39 +/- 2	4R3	4	0	4,982,164:01:0	
3273	99	125	15:57:30.666	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,982,164:01:0	
3274	99	125	15:57:31.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4914.39 +/- 2	4R3	4	0	4,982,164:02:8	
3275	**99**	**125**	**15:57:40.666**	**20DP5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,982,164:16:0**	
3276	**99**	**125**	**15:57:44.000**	**20DP5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,982,164:21:0**	
3277	**99**	**125**	**15:57:54.000**	**20DP6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,982,164:36:0**	
3278	**99**	**125**	**15:58:04.000**	**20DP6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,982,164:51:0**	
3279	**99**	**125**	**15:58:14.000**	**20DP5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,982,164:66:0**	
3280	**99**	**125**	**15:58:17.333**	**20DP5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,982,164:71:0**	
3281	**99**	**125**	**15:58:23.333**	**20DP4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,982,164:80:0**	
3282	99	125	15:59:26.666	125DP11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,982,165:84:0	
3283	99	125	15:59:26.666	125DP	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	4,982,165:84:0	
3284	**99**	**125**	**15:59:26.666**	**125DP4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,982,165:84:0**	
3285	**99**	**125**	**15:59:35.333**	**20NNBRANCR01-**		**-----START------**		**4R0**	**4**	**0**	**: :**	
3286	99	125	16:00:27.333	127DP	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,982,166:84:0	
3287	**99**	**125**	**16:00:27.333**	**127DP4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,982,166:84:0**	
3288	**99**	**125**	**16:00:28.000**	**127DP4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,982,166:85:0**	
3289	99	125	16:00:36.000	127DP11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,982,167:06:0	
3290	**99**	**125**	**16:01:36.666**	**20NNBRANCR01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3291	99	125	16:02:32.666	165DP4A	**7SCAN**	**NORM,91.851999,2**	**Check S/P Position**	4R3	4	0	4,982,168:90:0	
3292	**99**	**125**	**16:02:37.333**	**20CNBRANCR01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3293	99	125	16:06:21.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4914.39 +/- 2	4R3	4	0	4,982,172:69:0	
3294	99	125	16:06:21.333	175DP422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R3	4	0	4,982,172:69:0	
3295	99	125	16:06:22.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4914.51 +/- 2	4R3	4	0	4,982,172:71:1	
3296	99	125	16:06:26.666	117DP	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,982,172:77:0	
3297	99	125	16:06:28.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4915.74 +/- 2	4R3	4	0	4,982,172:79:0	
3298	99	125	16:06:29.200		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *4915.80 +/- 2	4R3	4	0	4,982,172:80:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3299	99	125	16:06:32.666	175DP176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,982,172:86:0	
3300	99	125	16:06:33.200		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *4914.30 +/- 2	4R3	4	0	4,982,172:86:8	
3301	99	125	16:06:33.200		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 4914.30 +/- 2	4R3	4	0	4,982,172:86:8	
3302	99	125	16:06:34.666	165DP4B	7VECT		Inert vect update UTC	4R3	4	0	4,982,172:89:0	
3303	99	125	16:06:36.000	117DP105A106A4A	**7STRP**	**0.011,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	4,982,173:00:0	
3304	**99**	**125**	**16:06:36.000**	**20CNBRANCR01-**	**NIMPBK**	**301DP**	**CALLISTO BRAN CRATER OBS**	**4R3**	**4**	**0**	**: :**	
3305	**99**	**125**	**16:07:09.000**	**20CNBRANCR01-**	**NIMPBK**	**301EP**	**CALLISTO BRAN CRATER OBS**	**4R3**	**4**	**0**	**: :**	
3306	**99**	**125**	**16:07:23.000**	**20CNBRANCR01-**	**DESELC**	**300EP**	**CALLISTO BRAN CRATER OBS**	**4R3**	**4**	**0**	**: :**	
3307	**99**	**125**	**16:12:38.333**	**20CNBRANCR01-**	**NIMPBK**	**301EK**	**CALLISTO BRAN CRATER OBS**	**4R3**	**4**	**0**	**: :**	
3308	99	125	16:12:44.000	117DP105A106A4B	**7STRP**	**-0.011,0.007,0,0**	**Slew =12.01**	4R3	4	0	4,982,179:06:0	
3309	99	125	16:12:54.666	117DP105A106A4C	**7STRP**	**0.011,0.0,0,0,0,**	**Slew =,0.03**	4R3	4	0	4,982,179:22:0	
3310	**99**	**125**	**16:12:57.000**	**20CNBRANCR01-**	**DESELC**	**300EK**	**CALLISTO BRAN CRATER OBS**	**4R3**	**4**	**0**	**: :**	
3311	**99**	**125**	**16:15:14.000**	**20CNBRANCR01-**	**NIMPBK**	**301EL**	**CALLISTO BRAN CRATER OBS**	**4R3**	**4**	**0**	**: :**	
3312	**99**	**125**	**16:15:34.000**	**20CNBRANCR01-**	**DESELC**	**300EL**	**CALLISTO BRAN CRATER OBS**	**4R3**	**4**	**0**	**: :**	
3313	**99**	**125**	**16:16:49.000**	**20CNBRANCR01-**	**NIMPBK**	**301EM**	**CALLISTO BRAN CRATER OBS**	**4R3**	**4**	**0**	**: :**	
3314	**99**	**125**	**16:17:05.000**	**20CNBRANCR01-**	**DESELC**	**300EM**	**CALLISTO BRAN CRATER OBS**	**4R3**	**4**	**0**	**: :**	
3315	**99**	**125**	**16:18:25.000**	**20CNBRANCR01-**	**NIMPBK**	**301EN**	**CALLISTO BRAN CRATER OBS**	**4R3**	**4**	**0**	**: :**	
3316	**99**	**125**	**16:19:02.666**	**20CNBRANCR01-**	**DESELC**	**300EN**	**CALLISTO BRAN CRATER OBS**	**4R3**	**4**	**0**	**: :**	
3317	99	125	16:19:02.666	117DP11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,982,185:28:0	
3318	**99**	**125**	**16:19:02.666**	**20CNBRANCR01-**	**DESELC**	**300DP**	**CALLISTO BRAN CRATER OBS**	**4R3**	**4**	**0**	**: :**	
3319	99	125	16:20:15.333		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *4191.72 +/- 2	4R3	4	0	4,982,186:46:0	
3320	99	125	16:20:15.333	175DP422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,982,186:46:0	
3321	99	125	16:20:16.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4191.42 +/- 2	4R3	4	0	4,982,186:47:8	
3322	**99**	**125**	**17:03:17.333**	**20CNBRANCR01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3323	99	125	17:58:50.000	488AL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	4,982,284:00:0	
3324	99	125	18:45:23.333	488AL6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	4,982,330:04:0	
3325	99	125	19:28:03.333	488AL6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	4,982,372:22:0	
3326	**99**	**125**	**19:43:09.333**	**20DO5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,982,387:16:0**	
3327	**99**	**125**	**19:43:12.666**	**20DO5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,982,387:21:0**	
3328	**99**	**125**	**19:43:22.666**	**20DO6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,982,387:36:0**	
3329	**99**	**125**	**19:43:32.666**	**20DO6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,982,387:51:0**	
3330	**99**	**125**	**19:43:42.666**	**20DO5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,982,387:66:0**	
3331	**99**	**125**	**19:43:46.000**	**20DO5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,982,387:71:0**	
3332	**99**	**125**	**19:43:52.000**	**20DO4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**4,982,387:80:0**	
3333	99	125	19:45:56.000	125DO	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,982,389:84:0	
3334	99	125	19:45:56.000	125DO11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,982,389:84:0	
3335	**99**	**125**	**19:45:56.000**	**125DO4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,982,389:84:0**	
3336	**99**	**125**	**19:47:05.333**	**20NNGLOBAL02-**		**-----START------**		**4R0**	**4**	**0**	**: :**	
3337	99	125	19:47:57.333	127DO	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,982,391:84:0	
3338	**99**	**125**	**19:47:57.333**	**127DO4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,982,391:84:0**	
3339	**99**	**125**	**19:47:58.000**	**127DO4B**	**37ETB**	**07,C7,02,30,18,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,982,391:85:0**	
3340	99	125	19:48:06.000	127DO11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,982,392:06:0	
3341	**99**	**125**	**19:49:06.666**	**20NNGLOBAL02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3342	99	125	19:50:02.666	165DN4A	**7SCAN**	**NORM,88.667,24.6**	**Check S/P Position**	4R3	4	0	4,982,393:90:0	
3343	**99**	**125**	**19:50:07.333**	**20CNGLOBAL01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3344	99	125	19:53:54.000	175DO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,982,397:73:0	
3345	99	125	19:53:54.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4191.42 +/- 2	4R3	4	0	4,982,397:73:0	
3346	99	125	19:53:55.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4191.54 +/- 2	4R3	4	0	4,982,397:75:1	
3347	99	125	19:53:56.666	117DN	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,982,397:77:0	
3348	99	125	19:54:00.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4192.78 +/- 2	4R3	4	0	4,982,397:83:0	
3349	99	125	19:54:01.866		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4192.84 +/- 2	4R3	4	0	4,982,397:84:8	
3350	99	125	19:54:02.666	175DO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,982,397:86:0	
3351	99	125	19:54:03.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4192.72 +/- 2	4R3	4	0	4,982,397:86:9	
3352	99	125	19:54:03.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4192.72 +/- 2	4R3	4	0	4,982,397:86:9	
3353	**99**	**125**	**19:54:04.000**	**20CNGLOBAL01-**	**NIMPBK**	**301ER**	**CALLISTO GLOBAL OBS**	**4R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3354	**99**	**125**	**19:54:06.000**	**20CNGLOBAL01-**	**NIMPBK**	**301DO**	**CALLISTO GLOBAL OBS**	**4R3**	**4**	**0**	**: :**	
3355	99	125	19:54:06.000	117DN105A106A4A	**7STRP**	**-0.016802,0.0,0,**	**Slew =,0.03**	4R3	4	0	4,982,398:00:0	
3356	**99**	**125**	**19:57:32.666**	**20CNGLOBAL01-**	**DESELC**	**300ER**	**CALLISTO GLOBAL OBS**	**4R3**	**4**	**0**	**: :**	
3357	**99**	**125**	**20:01:10.000**	**20CNGLOBAL01-**	**NIMPBK**	**301EO**	**CALLISTO GLOBAL OBS**	**4R3**	**4**	**0**	**: :**	
3358	**99**	**125**	**20:01:20.000**	**20CNGLOBAL01-**	**DESELC**	**300DO**	**CALLISTO GLOBAL OBS**	**4R3**	**4**	**0**	**: :**	
3359	99	125	20:03:27.333	117DN105A106A4B	**7STRP**	**0.016802,-0.0085**	**Slew =12.01**	4R3	4	0	4,982,407:23:0	
3360	99	125	20:03:34.000	117DN105A106A4C	**7STRP**	**-0.016802,0.0,0,**	**Slew =,0.03**	4R3	4	0	4,982,407:33:0	
3361	99	125	20:08:10.666	488AL6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	4,982,411:84:0	
3362	99	125	20:12:55.333	117DN105A106A4D	**7STRP**	**0.016802,-0.0085**	**Slew =12.01**	4R3	4	0	4,982,416:56:0	
3363	99	125	20:13:02.000	117DN105A106A4E	**7STRP**	**-0.016802,0.0,0,**	**Slew =,0.03**	4R3	4	0	4,982,416:66:0	
3364	**99**	**125**	**20:20:21.333**	**20CNGLOBAL01-**	**NIMPBK**	**301EY**	**CALLISTO GLOBAL OBS**	**4R3**	**4**	**0**	**: :**	
3365	99	125	20:21:19.333	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,982,424:84:0	
3366	**99**	**125**	**20:21:19.333**	**125FB4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**4,982,424:84:0**	
3367	99	125	20:21:19.333	125FB	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,982,424:84:0	
3368	99	125	20:21:19.333	125FB11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,982,424:84:0	
3369	**99**	**125**	**20:21:20.000**	**20CNGLOBAL01-**	**DESELC**	**300EO**	**CALLISTO GLOBAL OBS**	**4R3**	**4**	**0**	**: :**	
3370	**99**	**125**	**20:21:20.000**	**127FB4A**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,982,424:85:0**	
3371	99	125	20:21:28.000	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,982,425:06:0	
3372	**99**	**125**	**20:22:13.333**	**20CNGLOBAL01-**	**DESELC**	**300EY**	**CALLISTO GLOBAL OBS**	**4R3**	**4**	**0**	**: :**	
3373	99	125	20:22:23.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3794.26 +/- 2	4R3	4	0	4,982,425:89:0	
3374	99	125	20:22:23.333	175DO422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,982,425:89:0	
3375	99	125	20:22:23.333	175DO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,982,425:89:0	
3376	99	125	20:22:23.333	117DN11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,982,425:89:0	
3377	99	125	20:22:24.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3794.20 +/- 2	4R3	4	0	4,982,425:90:8	
3378	**99**	**125**	**20:22:28.666**	**20CNGLOBAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3379	99	125	20:34:31.333	432JB6B	6RTDS2	NIMNCG,AACDSL,RT	AACS DESELECT	4R3	4	0	4,982,437:89:0	
3380	**99**	**125**	**20:38:39.333**	**20NNCHOPOF01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3381	99	125	20:40:06.000	20KA4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R3	4	0	4,982,443:45:0	
3382	99	125	20:40:32.000	127FN	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,982,443:84:0	
3383	**99**	**125**	**20:40:32.000**	**127FN4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**4,982,443:84:0**	
3384	**99**	**125**	**20:40:32.666**	**127FN4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**4,982,443:85:0**	
3385	99	125	20:40:40.666	127FN11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	4,982,444:06:0	
3386	**99**	**125**	**20:43:34.000**	**125FN4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**4,982,446:84:0**	
3387	99	125	20:43:34.000	125FN	NIMSINIT	GS	##### GROUP START INIT	460	4	0	4,982,446:84:0	
3388	**99**	**125**	**20:44:34.666**	**125FN4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**4,982,447:84:0**	
3389	**99**	**125**	**20:45:35.333**	**125FN4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4O0**	**4**	**0**	**4,982,448:84:0**	
3390	99	125	20:45:35.333	125FN11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	4,982,448:84:0	
3391	99	125	20:48:00.000	444UD443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,982,451:28:0	
3392	**99**	**125**	**20:48:46.000**	**20NNCHOPOF01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
3393	99	125	20:50:14.666	488AM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,982,453:48:0	
3394	99	125	21:12:35.333	488AM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,982,475:57:0	
3395	99	125	21:20:03.333	41AB99A	**POWER**	**PWR MODE change**	Change to Maneuver/Playback Mode	4O0	4	0	4,982,483:01:0	
3396	**99**	**125**	**21:21:57.333**	**41AB3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,982,484:81:0**	
3397	**99**	**125**	**21:22:07.333**	**41AB3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,982,485:05:0**	
3398	**99**	**125**	**21:22:17.333**	**41AB3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,982,485:20:0**	
3399	**99**	**125**	**21:22:27.333**	**41AB3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,982,485:35:0**	
3400	99	125	21:26:04.000	20VL4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,982,488:87:0	
3401	99	125	21:26:54.000	20VL4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,982,489:71:0	
3402	99	125	21:27:07.333	176WA6A	6TMREC	IPB	INITIATE PLAYBACK (PB CONTROL) Record Mod	4O0	4	0	4,982,490:00:0	
3403	99	126	00:05:00.000	488AM6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	4,982,646:13:0	
3404	99	126	00:08:54.000	176SH6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,982,650:00:0	
3405	99	126	00:39:00.000	20SQ4I	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,982,679:70:0	
3406	99	126	00:54:00.000	20SQ4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	4,982,694:55:0	
3407	99	126	01:06:00.000	20SQ4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,982,706:43:0	
3408	99	126	01:13:00.000	20SQ4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	4,982,713:36:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3409	99	126	01:25:00.000	20SQ4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,982,725:24:0	
3410	99	126	01:37:00.000	20SQ4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,982,737:12:0	
3411	99	126	01:53:04.000	20ST4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,982,753:02:0	
3412	99	126	01:53:54.000	20ST4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,982,753:77:0	
3413	99	126	01:54:03.333	176SJ6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,982,754:00:0	
3414	99	126	02:00:35.333	488AM6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	4,982,760:42:0	
3415	99	126	02:13:00.000	488AM6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,982,772:67:0	
3416	99	126	03:45:07.333	488AN6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,982,863:77:0	
3417	99	126	04:05:42.000	488AN6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,982,884:18:0	
3418	99	126	04:19:15.333	488AN6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,982,897:55:0	
3419	99	126	04:55:31.333	488AN6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,982,933:43:0	
3420	99	126	19:02:08.600	488AO6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,983,770:72:0	
3421	99	126	19:17:23.266	488AO6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,983,785:79:0	
3422	99	126	20:28:08.600	488AO6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,983,855:77:0	
3423	99	126	20:55:31.266	488AO6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,983,882:84:0	
3424	99	126	21:03:20.600	488AO6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,983,890:60:0	
3425	99	127	02:15:31.266	488AP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,984,199:37:0	
3426	99	127	03:45:07.266	488AP6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,984,288:02:0	
3427	99	127	04:05:42.600	488AP6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,984,308:35:0	
3428	99	127	04:19:15.266	488AP6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,984,321:71:0	
3429	99	127	04:55:31.266	488AP6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,984,357:59:0	
3430	99	127	06:03:09.266	488AQ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,984,424:49:0	
3431	99	127	07:12:03.266	488AQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,984,492:62:0	
3432	99	127	07:35:11.933	488AQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,984,515:52:0	
3433	99	127	08:08:51.266	488AQ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,984,548:78:0	
3434	99	127	11:47:23.933	176SA6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,984,765:00:0	
3435	99	127	11:59:59.933		DMS:	: READY	RDY, TRACK 2, REV, TIC 3794.20 +/- 2	4O0	4	0	4,984,777:42:0	
3436	**99**	**127**	**12:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**4,984,777:42:1**	
3437	**99**	**127**	**12:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,984,777:42:1**	
3438	**99**	**127**	**12:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**4,984,777:42:1**	
3439	**99**	**127**	**12:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,984,777:42:1**	
3440	**99**	**127**	**12:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,984,777:42:1**	
3441	**99**	**127**	**12:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,984,777:42:1**	
3442	**99**	**127**	**12:00:00.000**	**20A3FE**	**40T1P**	**Final Condition**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,984,777:42:1**	
3443	**99**	**127**	**12:00:00.000**	**20A3FF**	**40T2**	**Final Condition**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,984,777:42:1**	
3444	**99**	**127**	**12:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**4,984,777:42:1**	

Sequence:	C20B-AR	Created: 11/16/99	Begin: 99-127/12:00:00 Finish: 99-180/07:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	99	127	11:59:59.933		DMS:	: READY	RDY, TRACK 2, REV, TIC 3794.20 +/- 2	4O0	4	0	4,984,777:42:0
2	**99**	**127**	**12:00:00.000**	**20A3EW**	**37A**	**CMD,37A,20A3EW,,**	**NIMS Power ON**	**4O0**	**4**	**0**	**4,984,777:42:1**
3	**99**	**127**	**12:00:00.000**	**20A3EY**	**37C1PR**	**CMD,37C1PR,20A3E**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,984,777:42:1**
4	**99**	**127**	**12:00:00.000**	**20A3EZ**	**37C2PR**	**CMD,37C2PR,20A3E**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**4,984,777:42:1**
5	**99**	**127**	**12:00:00.000**	**20A3FA**	**37F1PR**	**CMD,37F1PR,20A3F**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,984,777:42:1**
6	**99**	**127**	**12:00:00.000**	**20A3FB**	**37F2PR**	**CMD,37F2PR,20A3F**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,984,777:42:1**
7	**99**	**127**	**12:00:00.000**	**20A3EX**	**37HR**	**CMD,37HR,20A3EX,**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**4,984,777:42:1**
8	**99**	**127**	**12:00:00.000**	**20A3FE**	**40T1P**	**CMD,40T1P,20A3FE**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,984,777:42:1**
9	**99**	**127**	**12:00:00.000**	**20A3FF**	**40T2**	**CMD,40T2,20A3FF,**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,984,777:42:1**
10	**99**	**127**	**12:00:00.000**	**20A3FD**	**40HRPR**	**CMD,40HRPR,20A3F**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,984,777:42:1**
11	**99**	**127**	**12:01:31.933**	**432NA6B**	**6RTDS2**	**NIMDSL,AACDSL,RT**	**NIMS R/T DESELECTAACS DESELECT**	**4O0**	**4**	**0**	**4,984,778:89:0**
12	99	127	12:02:11.266	488AA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,984,779:57:0
13	99	127	12:05:03.933	20WA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,984,782:43:0
14	99	127	12:05:53.933	20WA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,984,783:27:0
15	99	127	12:06:36.600	176SA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,984,784:00:0
16	99	127	12:08:03.933	20OB6A	6HICON			4O0	4	0	4,984,785:40:0
17	99	127	12:19:15.266	488AA6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,984,796:46:0
18	99	127	12:19:44.600	432NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	4,984,796:90:0
19	99	127	12:19:45.266	432NB6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,984,797:00:0
20	**99**	**127**	**12:19:45.266**	**432NB6B**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**4O0**	**4**	**0**	**4,984,797:00:0**
21	99	127	14:25:07.266	488AA6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,984,920:90:0
22	99	127	14:56:07.266	488AA6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,984,951:59:0
23	99	127	15:09:55.266	488AA6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,984,965:27:0
24	99	127	15:46:11.266	488AB6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,985,001:15:0
25	99	127	18:48:10.600	488AB6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,985,181:14:0
26	99	127	18:58:11.266	488AB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,985,191:05:0
27	99	127	20:27:47.266	488AB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,985,279:61:0
28	99	128	02:24:03.200	488AC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,985,632:02:0
29	99	128	04:00:03.200	488AC6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,985,726:88:0
30	99	128	04:08:47.200	488AC6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,985,735:55:0
31	99	128	04:14:59.200	488AC6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,985,741:67:0
32	99	128	04:37:10.533	488AC6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,985,763:62:0
33	99	128	04:57:39.200	488AD6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,985,783:85:0
34	99	128	06:03:05.200	488AD6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,985,848:59:0
35	99	128	06:40:09.866	488AD6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,985,885:29:0
36	99	128	06:57:07.200	488AD6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,985,902:08:0
37	99	128	12:25:39.200	488AE6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,986,227:01:0
38	99	128	14:20:51.200	488AE6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,986,340:86:0
39	99	128	15:05:39.200	488AE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,986,385:23:0
40	99	128	16:30:09.200	488AE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,986,468:75:0
41	99	128	17:13:48.533	488AE6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,986,512:00:0
42	99	128	18:34:43.200	488AF6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,986,592:02:0
43	99	128	18:53:55.200	488AF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,986,611:01:0
44	99	128	19:59:59.866	481UB4A	7VECT	BB1	Inert vect update UTC	4O0	4	0	4,986,676:33:0
45	99	128	20:15:09.200	488AF6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,986,691:32:0
46	99	128	20:40:35.200	488AF6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,986,716:46:0
47	99	128	20:46:10.533	488AF6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,986,722:03:0
48	99	128	20:52:59.866	488AG6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,986,728:71:0
49	99	128	20:57:15.866	176SB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,986,733:00:0
50	99	129	01:55:59.866	20AA4C	7STAT	10.00,290.083,-2	Stator inertial point	4O0	4	0	4,987,028:41:0
51	99	129	02:16:59.866	474AA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,987,049:20:0
52	99	129	02:18:59.866	474AA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,987,051:18:0
53	99	129	02:19:19.866	20AA4D	7STAT	17.45,290.083,-2	Stator inertial point	4O0	4	0	4,987,051:48:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	99	129	02:23:13.866	474AA416A4E	7BURN	90.082996,-29.47	ALERT -- Thruster fire	4O0	4	0	4,987,055:35:0	
55	99	129	02:24:03.200	488AG6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	4,987,056:18:0	
56	99	129	02:24:04.533	20AC6A	6TMSED	NORM,BA4	Sci, Eng, and D/L Chan	4O0	4	0	4,987,056:20:0	
57	99	129	02:39:21.866	20AA4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,987,071:31:0	
58	99	129	02:45:13.866	20AA4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,987,077:13:0	
59	99	129	03:06:29.866	20AA4L	7STAT	10.00,290.083,-2	Stator inertial point	4O0	4	0	4,987,098:16:0	
60	99	129	03:12:29.866	20AA4O	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	4,987,104:10:0	
61	99	129	03:14:29.866	474AA416A4G	7BURN	0.082996,-29.476	ALERT -- Thruster fire	4O0	4	0	4,987,106:08:0	
62	99	129	03:53:17.866	20AA4Q	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,987,144:42:0	
63	99	129	03:55:47.200	488AH6A	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	4,987,146:84:0	
64	99	129	03:58:09.866	20AA4R	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,987,149:25:0	
65	99	129	04:10:43.200	488AH6B	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	4,987,161:63:0	
66	99	129	04:27:47.200	488AH6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	4,987,178:52:0	
67	99	129	05:00:33.866	432AB431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,987,210:90:0	
68	99	129	05:00:34.533	432AB6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,987,211:00:0	
69	99	129	05:05:41.866	20AB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,987,216:06:0	
70	99	129	05:06:31.866	20AB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,987,216:81:0	
71	99	129	05:07:39.200	176AC6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,987,218:00:0	
72	99	129	05:08:19.200	488AH6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	4,987,218:60:0	
73	99	129	07:00:59.866	488AH6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,987,330:09:0	
74	99	129	07:01:54.533	176SC6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,987,331:00:0	
75	99	129	11:30:11.133	488AI6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,987,596:30:0	
76	99	129	12:02:11.133	488AI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,987,627:89:0	
77	99	129	13:08:19.133	488AI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,987,693:35:0	
78	99	129	13:10:07.133	488AI6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,987,695:15:0	
79	99	129	13:43:46.466	488AI6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,987,728:41:0	
80	99	129	18:34:43.133	488AJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,988,016:18:0	
81	99	129	18:51:47.133	488AJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,988,033:07:0	
82	99	129	20:10:36.466	488AJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,988,111:03:0	
83	99	129	20:17:07.133	488AJ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,988,117:43:0	
84	99	129	20:41:59.800	488AJ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,988,142:07:0	
85	99	130	02:24:03.133	488AK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,988,480:34:0	
86	99	130	02:42:28.466	488AK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,988,498:54:0	
87	99	130	02:49:39.133	488AK6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,988,505:63:0	
88	99	130	04:12:15.800	488AK6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,988,587:36:0	
89	99	130	04:53:23.133	488AK6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,988,628:06:0	
90	99	130	05:33:01.800	488AL6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,988,667:25:0	
91	99	130	06:10:05.800	488AL6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,988,703:85:0	
92	99	130	06:48:35.133	488AL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,988,742:00:0	
93	99	130	11:34:27.133	488AM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,989,024:66:0	
94	99	130	12:08:35.133	488AM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,989,058:44:0	
95	99	130	13:10:05.133	488AM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,989,119:28:0	
96	99	130	13:48:51.133	488AM6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,989,157:59:0	
97	99	131	04:12:17.733	488AN6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,990,011:55:0	
98	99	131	04:46:59.066	488AN6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,990,045:83:0	
99	99	131	05:32:58.400	488AN6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,990,091:36:0	
100	99	131	06:10:02.400	488AN6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,990,128:05:0	
101	99	131	06:40:59.733	432MR6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,990,158:61:0	
102	99	131	06:42:11.066	488AN6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,990,159:77:0	
103	99	131	09:27:39.733	488AO6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,990,323:46:0	
104	99	131	09:34:59.066	488AO6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,990,330:68:0	
105	99	131	11:27:19.066	488AO6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,990,441:77:0	
106	99	131	11:32:19.066	488AO6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,990,446:72:0	
107	99	131	12:02:11.066	488AO6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,990,476:30:0	
108	99	131	18:24:03.066	488AP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,990,854:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	99	131	18:43:15.066	488AP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,990,872	90:0
110	99	131	20:12:51.066	488AP6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,990,961	55:0
111	99	131	23:59:44.333	176MA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,991,186	00:0
112	99	132	02:15:31.000	488AQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,991,320	26:0
113	99	132	03:45:07.000	488AQ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,991,408	82:0
114	99	132	03:52:48.333	488AQ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,991,416	46:0
115	99	132	04:00:03.000	488AQ6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,991,423	61:0
116	99	132	04:36:19.000	488AQ6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,991,459	49:0
117	99	132	11:22:21.666	488AR6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,991,861	11:0
118	99	132	11:29:19.000	176MB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,991,868	00:0
119	99	132	11:32:19.000	488AR6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,991,870	88:0
120	99	132	12:02:11.000	488AR6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,991,900	46:0
121	99	132	18:24:03.000	488AS6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,992,278	16:0
122	99	132	18:43:15.000	488AS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,992,297	15:0
123	99	132	20:12:51.000	488AS6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,992,385	71:0
124	99	132	22:44:44.333	176MC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,992,536	00:0
125	99	133	02:09:07.000	488AT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,992,738	12:0
126	99	133	03:45:07.000	488AT6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,992,833	07:0
127	99	133	03:51:34.333	488AT6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,992,839	42:0
128	99	133	04:00:03.000	488AT6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,992,847	77:0
129	99	133	04:36:19.000	488AT6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,992,883	65:0
130	99	133	18:59:04.933	176MD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,993,737	00:0
131	99	133	20:30:18.933	488AU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,993,827	21:0
132	99	133	21:59:03.600	176ME6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,993,915	00:0
133	99	133	22:41:00.266	432MT6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,993,956	44:0
134	99	133	23:27:01.600	176ST6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,994,002	00:0
135	99	133	23:32:00.266	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,994,006	84:0
136	99	133	23:33:00.266	20UQ4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	4,994,007	83:0
137	99	133	23:35:00.266	20UQ4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	4,994,009	81:0
138	99	133	23:40:30.266	20UQ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	4,994,015	30:0
139	99	133	23:40:30.933	20UQ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	4,994,015	31:0
140	99	133	23:40:50.933	20UQ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	4,994,015	61:0
141	99	133	23:40:51.600	20UQ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	4,994,015	62:0
142	99	133	23:41:11.600	20UQ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,994,016	01:0
143	99	133	23:41:12.266	20UQ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,994,016	02:0
144	99	133	23:41:22.266	20UQ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	4,994,016	17:0
145	99	133	23:41:22.933	20UQ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	4,994,016	18:0
146	99	133	23:41:32.933	20UQ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	4,994,016	33:0
147	99	133	23:41:33.600	20UQ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	4,994,016	34:0
148	99	133	23:43:20.266	20UQ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	4,994,018	12:0
149	99	133	23:43:20.933	20UQ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	4,994,018	13:0
150	99	133	23:43:40.933	20UQ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	4,994,018	43:0
151	99	133	23:43:41.600	20UQ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	4,994,018	44:0
152	99	133	23:44:01.600	20UQ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,994,018	74:0
153	99	133	23:44:02.266	20UQ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,994,018	75:0
154	99	133	23:44:12.266	20UQ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	4,994,018	90:0
155	99	133	23:44:12.933	20UQ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	4,994,019	00:0
156	99	133	23:44:22.933	20UQ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	4,994,019	15:0
157	99	133	23:44:23.600	20UQ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	4,994,019	16:0
158	99	133	23:45:20.266	20UQ4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	4,994,020	10:0
159	99	134	00:00:59.600	432OB431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,994,035	54:0
160	99	134	00:01:00.266	432OB6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,994,035	55:0
161	99	134	00:10:04.266	20UJ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	4,994,044	52:0
162	99	134	00:10:54.266	20UJ4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,994,045	36:0
163	99	134	02:04:50.933	488AU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,994,158	08:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	99	134	03:40:50.933	488AV6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,994,253:03:0	
165	99	134	04:08:34.933	488AV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,994,280:42:0	
166	99	134	04:53:22.933	488AV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,994,324:70:0	
167	99	134	05:22:33.600	488AV6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,994,353:57:0	
168	99	134	05:29:38.933	488AV6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,994,360:58:0	
169	99	134	11:22:27.600	488AW6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,994,709:52:0	
170	99	134	11:47:14.933	488AW6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,994,734:08:0	
171	99	134	12:54:08.266	488AW6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,994,800:22:0	
172	99	134	12:57:38.933	488AW6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,994,803:65:0	
173	99	134	13:28:33.600	488AW6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,994,834:26:0	
174	99	134	13:39:23.600	176MF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,994,845:00:0	
175	99	134	18:19:46.866	488AX6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,995,122:28:0	
176	99	134	18:36:50.866	488AX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,995,139:17:0	
177	99	134	19:54:53.533	488AX6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,995,216:34:0	
178	99	134	20:19:14.866	488AX6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,995,240:42:0	
179	99	134	20:25:33.533	488AX6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,995,246:64:0	
180	99	135	02:00:34.866	488AY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,995,578:04:0	
181	99	135	03:34:26.866	488AY6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,995,670:80:0	
182	99	135	03:42:20.866	488AY6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,995,678:63:0	
183	99	135	03:49:22.866	488AY6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	4,995,685:59:0	
184	**99**	**135**	**03:59:49.533**	**432NC6B**	**6RTDS2**	**NIMNCG,AACDSL,RT**	**AACS DESELECT**	**4O0**	**4**	**0**	**4,995,695:89:0**	
185	99	135	04:25:38.866	488AY6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,995,721:47:0	
186	99	136	00:00:00.133	481UA4A	7VECT		Inert vect update UTC	4O0	4	0	4,996,882:88:0	
187	99	136	03:57:32.800	488AZ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,997,117:82:0	
188	99	136	04:32:02.800	488AZ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,997,152:02:0	
189	99	136	05:12:44.800	488AZ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,997,192:25:0	
190	99	136	05:49:48.800	488AZ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,997,228:85:0	
191	99	136	06:48:34.800	488AZ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,997,287:05:0	
192	99	136	09:12:48.800	488BA6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,997,429:64:0	
193	99	136	09:20:02.800	488BA6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,997,436:78:0	
194	99	136	11:12:34.133	488BA6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,997,548:13:0	
195	99	136	11:17:22.800	488BA6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,997,552:82:0	
196	99	136	11:53:38.800	488BA6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,997,588:70:0	
197	99	136	18:15:30.800	488BB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,997,966:40:0	
198	99	136	18:32:34.800	488BB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,997,983:29:0	
199	99	136	20:08:34.800	488BB6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,998,078:24:0	
200	99	137	01:49:54.800	488BC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,998,415:77:0	
201	99	137	03:22:28.133	488BC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,998,507:35:0	
202	99	137	03:25:54.800	488BC6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,998,510:72:0	
203	99	137	04:03:35.466	488BC6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,998,548:05:0	
204	99	137	04:42:42.800	488BC6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,998,586:68:0	
205	99	137	07:28:04.733	488BD6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,998,750:27:0	
206	99	137	07:35:30.733	488BD6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,998,757:59:0	
207	99	137	17:00:04.066	431MA6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	4,999,316:00:0	
208	99	138	03:52:40.066	488BE6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	4,999,961:39:0	
209	99	138	04:32:02.733	488BE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,000,000:34:0	
210	99	138	05:07:37.400	488BE6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,000,035:51:0	
211	99	138	05:44:41.400	488BE6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,000,072:20:0	
212	99	138	06:57:06.733	488BE6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,000,143:77:0	
213	99	138	10:56:02.733	488BF6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,000,380:14:0	
214	99	138	11:13:06.733	488BF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,000,397:03:0	
215	99	138	11:47:14.733	488BF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,000,430:72:0	
216	99	138	12:29:41.400	488BF6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,000,472:70:0	
217	99	138	13:03:20.733	488BF6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,000,506:05:0	
218	99	138	13:43:32.733	488BG6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,000,545:74:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	99	138	13:50:58.733	488BG6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,000,553:15:0	
220	99	138	18:13:41.333	488BG6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,000,812:90:0	
221	99	138	18:28:18.666	488BG6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,000,827:41:0	
222	**99**	**138**	**18:29:56.666**	**20NNPCTRLT01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
223	**99**	**138**	**18:30:00.666**	**41FB3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,000,829:12:0**	
224	**99**	**138**	**18:30:10.666**	**41FB3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,000,829:27:0**	
225	**99**	**138**	**18:30:20.666**	**41FB3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**5,000,829:42:0**	
226	**99**	**138**	**18:30:30.666**	**41FB3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**5,000,829:57:0**	
227	99	138	20:08:34.666	488BH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,000,926:56:0	
228	99	139	00:33:52.666	176FB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,001,189:00:0	
229	99	139	00:37:01.333	444FB443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,001,192:10:0	
230	99	139	00:41:01.333	444FB443A4B	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,001,196:06:0	
231	99	139	00:50:01.333	444FB443A4C	**7CLK**	**17.45,0.0**	Check S/P Position	4O0	4	0	5,001,204:88:0	
232	99	139	00:53:00.666	125FB	NIMSINIT	GS	##### GROUP START INIT	4O0	4	0	5,001,207:84:0	
233	**99**	**139**	**00:53:00.666**	**125FB4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**5,001,207:84:0**	
234	**99**	**139**	**00:54:01.333**	**125FB4B**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**5,001,208:84:0**	
235	99	139	00:55:02.000	125FB11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	5,001,209:84:0	
236	**99**	**139**	**00:55:02.000**	**125FB4C**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**5,001,209:84:0**	
237	99	139	00:58:04.000	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,001,212:84:0	
238	**99**	**139**	**00:58:04.000**	**127FB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**5,001,212:84:0**	
239	**99**	**139**	**00:58:04.666**	**127FB4B**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**5,001,212:85:0**	
240	99	139	00:58:12.666	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,001,213:06:0	
241	**99**	**139**	**00:58:28.666**	**432FB6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**5,001,213:30:0**	
242	**99**	**139**	**01:00:28.666**	**432FC6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**5,001,215:28:0**	
243	99	139	01:01:10.666	192FC4A	**7CONE**	**17.0,54.88**	Check S/P Position	4R3	4	0	5,001,216:00:0	
244	99	139	01:01:11.333	192FC4B	**7CLK**	**17.0,244.07**	Check S/P Position	4R3	4	0	5,001,216:01:0	
245	**99**	**139**	**01:04:32.666**	**432FD6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**5,001,219:30:0**	
246	**99**	**139**	**01:14:38.000**	**432FE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**5,001,229:28:0**	
247	**99**	**139**	**01:15:15.333**	**127FE4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**5,001,229:84:0**	
248	99	139	01:15:15.333	127FE	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,001,229:84:0	
249	**99**	**139**	**01:15:16.000**	**127FE4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**5,001,229:85:0**	
250	99	139	01:15:24.000	127FE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	5,001,230:06:0	
251	99	139	01:15:24.000	20FE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R0	4	0	5,001,230:06:0	
252	**99**	**139**	**01:17:16.666**	**125FE4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**5,001,231:84:0**	
253	99	139	01:17:16.666	125FE	NIMSINIT	GS	##### GROUP START INIT	460	4	0	5,001,231:84:0	
254	**99**	**139**	**01:18:17.333**	**125FE4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**5,001,232:84:0**	
255	**99**	**139**	**01:19:18.000**	**125FE4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4O0**	**4**	**0**	**5,001,233:84:0**	
256	99	139	01:19:18.000	125FE11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	5,001,233:84:0	
257	99	139	01:20:30.000	444FF443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,001,235:10:0	
258	99	139	01:24:30.000	444FF443A4B	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,001,239:06:0	
259	99	139	01:34:36.666	41FG99A	**POWER**	**PWR MODE change**	Change to Maneuver/Playback Mode	4O0	4	0	5,001,249:06:0	
260	99	139	01:34:58.666	488BH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,001,249:39:0	
261	**99**	**139**	**01:36:30.666**	**41FG3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**5,001,250:86:0**	
262	**99**	**139**	**01:36:40.666**	**41FG3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**5,001,251:10:0**	
263	**99**	**139**	**01:36:50.666**	**41FG3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**5,001,251:25:0**	
264	**99**	**139**	**01:37:00.666**	**41FG3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**5,001,251:40:0**	
265	99	139	01:38:43.333	20FH4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,001,253:12:0	
266	99	139	01:39:33.333	20FH4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,001,253:87:0	
267	99	139	01:40:36.666	176FH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,001,255:00:0	
268	**99**	**139**	**02:20:06.666**	**20NNPCTRLT01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
269	99	139	02:42:41.333	488BI6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,001,316:36:0	
270	99	139	02:49:38.666	488BI6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,001,323:25:0	
271	99	139	11:02:44.000	488BJ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,001,810:86:0	
272	99	139	11:13:06.666	488BJ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,001,821:19:0	
273	99	139	11:42:58.666	488BJ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,001,850:68:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	99	139	18:04:50.666	488BK6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,002,228:38:0	
275	99	139	18:24:02.666	488BK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,002,247:37:0	
276	99	139	20:08:34.666	488BK6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,002,350:72:0	
277	99	139	20:46:18.000	488BK6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,002,388:09:0	
278	99	139	20:51:14.666	488BK6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,002,392:90:0	
279	99	140	18:08:48.600	488BL6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,003,656:47:0	
280	99	140	18:24:02.600	488BL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,003,671:53:0	
281	99	140	20:08:34.600	488BL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,003,774:88:0	
282	99	141	01:26:26.600	488BM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,004,089:31:0	
283	99	141	03:10:58.600	488BM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,004,192:66:0	
284	99	141	03:30:10.600	488BM6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,004,211:65:0	
285	99	141	04:23:30.600	488BM6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,004,264:42:0	
286	99	141	04:57:26.600	488BM6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,004,298:02:0	
287	99	141	05:34:30.600	488BN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,004,334:62:0	
288	99	141	07:18:26.533	488BN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,004,437:43:0	
289	99	141	10:41:06.533	488BN6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,004,637:83:0	
290	99	141	10:58:10.533	488BN6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,004,654:72:0	
291	99	141	11:13:06.533	488BN6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,004,669:51:0	
292	99	141	11:38:42.533	488BO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,004,694:80:0	
293	99	141	12:29:29.200	488BO6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,004,745:09:0	
294	99	141	13:03:08.533	488BO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,004,778:35:0	
295	99	141	17:02:58.533	488BO6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,005,015:53:0	
296	99	141	18:00:34.533	488BP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,005,072:50:0	
297	99	141	18:17:38.533	488BP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,005,089:39:0	
298	99	141	19:23:46.533	488BP6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,005,154:76:0	
299	99	141	19:52:59.866	488BP6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,005,183:67:0	
300	99	141	19:57:18.533	176TF6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,005,188:00:0	
301	99	141	20:05:59.866	20WC4C	7STAT	10.00,203.5,-7.8	Stator inertial point	4O0	4	0	5,005,196:54:0	
302	99	141	20:25:01.866	490UA412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,005,215:38:0	
303	99	141	20:29:59.866	490UA412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,005,220:30:0	
304	99	141	20:30:19.866	20WC4D	7STAT	17.45,203.5,-7.8	Stator inertial point	4O0	4	0	5,005,220:60:0	
305	99	141	20:34:09.866	490UA412A4E	7VECT	RTH	Inert vect update UTC	4O0	4	0	5,005,224:41:0	
306	99	141	20:34:13.866	490UA412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	5,005,224:47:0	
307	99	141	20:38:01.866	490UA412A406A4A	7STAR	11,701,278.81	Star catalog update	4O0	4	0	5,005,228:25:0	
308	99	141	20:38:03.866	490UA412A406A4B	7STAR	2,111,285.778,13	Star catalog update	4O0	4	0	5,005,228:28:0	
309	99	141	20:38:05.866	490UA412A406A4C	7STAR	3,350,120.46	Star catalog update	4O0	4	0	5,005,228:31:0	
310	99	141	20:38:07.866	490UA412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	5,005,228:34:0	
311	99	141	20:38:09.866	490UA412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	5,005,228:37:0	
312	99	141	20:38:11.866	490UA412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	5,005,228:40:0	
313	99	141	20:48:05.866	20WC4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,005,238:21:0	
314	99	141	20:56:09.866	490UA412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,005,246:19:0	
315	99	141	22:30:03.866	20TA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,005,339:07:0	
316	99	141	22:30:53.866	20TA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,005,339:82:0	
317	99	141	22:31:59.866	488BP6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,005,340:90:0	
318	99	141	22:32:00.533	176TG6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,005,341:00:0	
319	99	142	02:04:50.533	488BQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,005,551:45:0	
320	99	142	03:19:30.533	488BQ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,005,625:31:0	
321	99	142	04:04:18.533	488BQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,005,669:59:0	
322	99	142	13:50:58.533	488BR6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,006,249:79:0	
323	99	142	14:20:50.533	488BR6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,006,279:37:0	
324	99	142	14:37:54.533	488BR6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,006,296:26:0	
325	99	142	18:03:56.466	488BR6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,006,500:05:0	
326	99	142	18:13:22.466	488BR6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,006,509:35:0	
327	99	142	19:13:06.466	488BS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,006,568:42:0	
328	99	143	02:11:14.466	488BT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,006,982:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	99	143	03:15:01.133	488BT6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,007,045	07:0
330	99	143	03:19:30.466	488BT6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,007,049	47:0
331	99	143	03:55:46.466	488BT6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,007,085	35:0
332	99	143	13:15:53.800	488BU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,007,639	32:0
333	99	143	17:49:54.466	488BU6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,007,910	32:0
334	99	143	18:09:06.466	488BU6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,007,929	31:0
335	99	143	19:08:50.466	488BU6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,007,988	38:0
336	99	144	02:11:14.400	488BV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,008,406	16:0
337	99	144	03:10:37.066	488BV6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,008,464	82:0
338	99	144	03:15:14.400	488BV6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,008,469	43:0
339	99	144	03:51:30.400	488BV6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,008,505	31:0
340	99	144	06:22:43.733	488BV6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,008,654	82:0
341	99	144	13:50:58.400	488BW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,009,098	20:0
342	99	144	14:14:40.400	488BW6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,009,121	60:0
343	99	144	14:20:50.400	488BW6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,009,127	69:0
344	99	145	03:13:07.066	488BX6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,009,891	50:0
345	99	145	03:19:30.400	488BX6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,009,897	79:0
346	99	145	03:42:58.400	488BX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,009,921	07:0
347	99	145	10:34:42.333	488BY6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,010,328	26:0
348	99	145	11:04:34.333	488BY6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,010,357	75:0
349	99	145	11:34:26.333	488BY6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,010,387	33:0
350	99	145	12:14:13.000	488BY6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,010,426	64:0
351	99	145	12:47:52.333	488BY6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,010,459	90:0
352	99	145	18:53:54.333	488BZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,010,822	00:0
353	99	145	19:26:57.666	488BZ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,010,854	63:0
354	99	145	19:56:03.666	488BZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,010,883	43:0
355	99	146	02:11:14.333	488CA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,011,254	48:0
356	99	146	03:06:13.666	488CA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,011,308	83:0
357	99	146	03:10:58.333	488CA6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,011,313	55:0
358	99	146	03:47:14.333	488CA6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,011,349	43:0
359	99	146	10:44:12.333	488CB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,011,761	78:0
360	99	146	10:53:54.333	488CB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,011,771	41:0
361	99	146	12:38:26.333	488CB6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,011,874	76:0
362	99	146	15:16:27.600	488CB6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,012,031	11:0
363	99	146	15:20:34.266	488CB6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,012,035	17:0
364	99	146	17:52:54.266	488CC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,012,185	77:0
365	99	146	18:49:38.266	488CC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,012,241	87:0
366	99	146	21:44:34.266	488CC6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,012,414	88:0
367	99	146	23:16:18.266	488CC6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,012,505	63:0
368	99	147	02:11:14.266	488CD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,012,678	64:0
369	99	147	03:05:14.266	488CD6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,012,732	10:0
370	99	147	03:10:58.266	488CD6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,012,737	71:0
371	99	147	03:47:14.266	488CD6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,012,773	59:0
372	99	147	17:47:58.266	488CE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,013,605	13:0
373	99	147	17:57:56.266	176SV6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,013,615	00:0
374	99	147	18:02:00.266	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,013,619	02:0
375	99	147	18:03:00.266	20UR4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,013,620	01:0
376	99	147	18:05:00.266	20UR4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,013,621	90:0
377	99	147	18:10:30.266	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,013,627	39:0
378	99	147	18:10:30.933	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,013,627	40:0
379	99	147	18:10:50.933	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,013,627	70:0
380	99	147	18:10:51.600	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,013,627	71:0
381	99	147	18:11:11.600	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,013,628	10:0
382	99	147	18:11:12.266	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,013,628	11:0
383	99	147	18:11:22.266	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,013,628	26:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	99	147	18:11:22.933	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,013,628	27:0
385	99	147	18:11:32.933	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,013,628	42:0
386	99	147	18:11:33.600	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,013,628	43:0
387	99	147	18:13:20.266	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,013,630	21:0
388	99	147	18:13:20.933	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,013,630	22:0
389	99	147	18:13:40.933	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,013,630	52:0
390	99	147	18:13:41.600	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,013,630	53:0
391	99	147	18:14:01.600	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,013,630	83:0
392	99	147	18:14:02.266	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,013,630	84:0
393	99	147	18:14:12.266	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,013,631	08:0
394	99	147	18:14:12.933	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,013,631	09:0
395	99	147	18:14:22.933	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,013,631	24:0
396	99	147	18:14:23.600	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,013,631	25:0
397	99	147	18:15:20.266	20UR4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,013,632	19:0
398	99	147	18:40:04.266	20UK4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,013,656	61:0
399	99	147	18:40:54.266	20UK4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,013,657	45:0
400	99	147	18:42:25.600	176SW6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,013,659	00:0
401	99	147	18:43:14.266	488CE6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,013,659	73:0
402	99	147	21:14:42.266	488CE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,013,809	55:0
403	99	147	23:41:54.200	488CE6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,013,955	17:0
404	99	148	02:11:14.200	488CF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,014,102	80:0
405	99	148	03:00:18.200	488CF6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,014,151	37:0
406	99	148	03:19:30.200	488CF6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,014,170	36:0
407	99	148	04:08:34.200	488CF6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,014,218	84:0
408	99	148	04:39:01.533	488CF6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,014,249	04:0
409	99	148	05:12:40.200	488CG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,014,282	29:0
410	99	148	10:14:16.866	488CG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,014,580	56:0
411	99	148	10:21:54.200	488CG6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,014,588	14:0
412	99	148	10:34:21.533	488CG6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,014,600	43:0
413	99	148	10:43:14.200	488CG6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,014,609	23:0
414	99	148	11:48:59.533	488CH6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,014,674	26:0
415	99	148	12:19:14.200	488CH6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,014,704	18:0
416	99	148	12:21:36.866	488CH6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,014,706	50:0
417	99	148	17:41:22.200	488CH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,015,022	72:0
418	99	148	18:34:42.200	488CI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,015,075	49:0
419	99	148	20:53:22.200	488CI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,015,212	62:0
420	99	148	23:56:50.200	488CI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,015,394	12:0
421	99	149	02:11:14.200	488CJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,015,527	05:0
422	99	149	03:00:51.533	488CJ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,015,576	12:0
423	99	149	03:06:42.200	488CJ6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,015,581	83:0
424	99	149	03:42:58.200	488CJ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,015,617	71:0
425	99	149	04:48:05.533	488CJ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,015,682	17:0
426	99	149	06:03:46.200	488CK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,015,757	03:0
427	99	149	10:30:26.133	488CK6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,016,020	70:0
428	99	149	11:04:34.133	488CK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,016,054	48:0
429	99	149	12:03:54.133	488CL6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,016,113	19:0
430	99	149	12:37:33.466	488CL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,016,146	45:0
431	99	149	18:28:18.133	488CM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,016,493	35:0
432	99	149	19:11:39.466	488CM6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,016,536	24:0
433	99	149	19:40:45.466	488CM6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,016,565	04:0
434	99	149	20:34:10.133	488CM6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,016,617	79:0
435	99	150	00:05:22.133	488CM6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,016,826	68:0
436	99	150	02:11:14.133	488CN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,016,951	21:0
437	99	150	02:54:45.466	488CN6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,016,994	25:0
438	99	150	03:00:18.133	488CN6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,016,999	69:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	99	150	03:36:34.133	488CN6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,017,035:57:0	
440	99	150	07:48:10.133	488CN6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,017,284:42:0	
441	99	150	09:18:50.133	488CO6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,017,374:12:0	
442	99	150	09:52:29.466	488CO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,017,407:38:0	
443	99	150	12:56:05.466	176SN6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,017,589:00:0	
444	99	150	13:02:09.466	465SA6A	6DMST	5000	DMS Slew to TIC	4O0	4	0	5,017,595:00:0	
445	99	150	13:02:09.466		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 3794.20 +/- 2	4O0	4	0	5,017,595:00:0	
446	99	150	13:02:09.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3794.20 +/- 2	4O0	4	0	5,017,595:00:0	
447	99	150	13:02:16.133		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 3794.20 +/- 2	4O0	4	0	5,017,595:10:0	
448	99	150	13:02:17.533		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *3794.32 +/- 2	4O0	4	0	5,017,595:12:1	
449	99	150	13:10:26.133	488CO6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,017,603:17:0	
450	99	150	13:52:51.466	488CO6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,017,645:13:0	
451	99	150	13:55:14.133	488CO6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,017,647:45:0	
452	99	150	14:10:10.133	488CP6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,017,662:24:0	
453	99	150	14:27:52.200		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/- 2	4O0	4	0	5,017,679:70:2	
454	99	150	14:27:53.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/- 2	4O0	4	0	5,017,679:72:0	
455	99	150	17:38:13.400	488CP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,017,868:03:0	
456	99	150	18:24:02.066	488CP6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,017,913:31:0	
457	99	150	18:55:50.733		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/- 2	4O0	4	0	5,017,944:73:0	
458	99	150	18:55:50.733	465SB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,017,944:73:0	
459	99	150	18:55:52.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/- 2	4O0	4	0	5,017,944:75:1	
460	99	150	18:55:57.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/- 2	4O0	4	0	5,017,944:83:0	
461	99	150	18:55:58.600		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/- 2	4O0	4	0	5,017,944:84:8	
462	99	150	18:56:02.466		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/- 2	4O0	4	0	5,017,944:90:6	
463	99	150	18:56:02.466		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/- 2	4O0	4	0	5,017,944:90:6	
464	99	150	19:21:42.733	465SB6B	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,017,970:35:0	
465	99	150	19:21:42.733		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/- 2	4O0	4	0	5,017,970:35:0	
466	99	150	19:21:43.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/- 2	4O0	4	0	5,017,970:36:8	
467	99	150	20:19:14.066	488CQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,018,027:25:0	
468	99	150	21:21:32.066		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/- 2	4O0	4	0	5,018,088:81:0	
469	99	150	21:21:32.066	465SC6A	6DTRN	CMD,6DTRN,465SC6	DMS TRACK TURNAROUND	4O0	4	0	5,018,088:81:0	
470	99	150	21:21:32.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/- 2	4O0	4	0	5,018,088:81:0	
471	99	150	21:21:33.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/- 2	4O0	4	0	5,018,088:83:1	
472	99	150	21:21:38.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/- 2	4O0	4	0	5,018,089:00:0	
473	99	150	21:21:39.933		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/- 2	4O0	4	0	5,018,089:01:8	
474	99	150	21:21:41.333		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/- 2	4O0	4	0	5,018,089:03:9	
475	99	150	21:25:09.400	488CQ6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,018,092:43:0	
476	99	150	21:25:42.000		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/- 2	4O0	4	0	5,018,093:00:9	
477	99	150	21:25:43.200		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/- 2	4O0	4	0	5,018,093:02:7	
478	99	150	21:25:43.200		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 2	4O0	4	0	5,018,093:02:7	
479	99	150	21:25:44.600		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,018,093:04:8	
480	99	150	21:25:56.600		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,018,093:22:8	
481	99	150	21:25:57.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,018,093:24:6	
482	99	150	21:31:34.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,018,098:75:0	
483	99	150	21:31:34.733	465SD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,018,098:75:0	
484	99	150	21:31:41.400		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,018,098:85:0	
485	99	150	21:31:45.266		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	4O0	4	0	5,018,098:90:8	
486	99	150	21:31:45.266		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	4O0	4	0	5,018,098:90:8	
487	99	150	22:03:28.733		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	4O0	4	0	5,018,130:34:0	
488	99	150	22:03:28.733	465SD6B	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	5,018,130:34:0	
489	99	150	22:03:29.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	4O0	4	0	5,018,130:35:8	
490	99	150	22:19:04.733	465SE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,018,145:73:0	
491	99	150	22:19:04.733		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	4O0	4	0	5,018,145:73:0	
492	99	150	22:19:06.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	4O0	4	0	5,018,145:75:1	
493	99	150	22:19:11.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	4O0	4	0	5,018,145:83:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	99	150	22:19:12.600		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	4O0	4	0	5,018,145:84:8	
495	99	150	22:19:16.466		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	4O0	4	0	5,018,145:90:6	
496	99	150	22:19:16.466		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	4O0	4	0	5,018,145:90:6	
497	99	150	22:51:12.733		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	4O0	4	0	5,018,177:53:0	
498	99	150	22:51:12.733	465SF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,018,177:53:0	
499	99	150	22:51:13.933		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	4O0	4	0	5,018,177:54:8	
500	99	150	22:51:17.800		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	4O0	4	0	5,018,177:60:6	
501	99	150	22:51:17.800		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	4O0	4	0	5,018,177:60:6	
502	99	150	23:23:13.400	465SF6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,018,209:22:0	
503	99	150	23:23:13.400		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	4O0	4	0	5,018,209:22:0	
504	99	150	23:23:14.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	4O0	4	0	5,018,209:23:8	
505	99	150	23:37:56.733	465SG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,018,223:73:0	
506	99	150	23:37:56.733		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	4O0	4	0	5,018,223:73:0	
507	99	150	23:37:58.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	4O0	4	0	5,018,223:75:1	
508	99	150	23:38:03.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	4O0	4	0	5,018,223:83:0	
509	99	150	23:38:04.600		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	4O0	4	0	5,018,223:84:8	
510	99	150	23:38:08.466		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	4O0	4	0	5,018,223:90:6	
511	99	150	23:38:08.466		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	4O0	4	0	5,018,223:90:6	
512	99	151	00:10:04.066	465SH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	4O0	4	0	5,018,255:52:0	
513	99	151	00:10:04.066		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	4O0	4	0	5,018,255:52:0	
514	99	151	00:10:05.266		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	4O0	4	0	5,018,255:53:8	
515	99	151	00:10:09.133		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	4O0	4	0	5,018,255:59:6	
516	99	151	00:10:09.133		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	4O0	4	0	5,018,255:59:6	
517	99	151	00:11:10.066	465SH6B	6DMSC	RDY,3	DMS Control Tape stop	4O0	4	0	5,018,256:60:0	
518	99	151	00:11:10.066		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	4O0	4	0	5,018,256:60:0	
519	99	151	00:11:11.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	4O0	4	0	5,018,256:61:8	
520	99	151	00:11:59.400	488CQ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,018,257:43:0	
521	99	151	00:16:02.066	488CQ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,018,261:43:0	
522	99	151	00:25:40.066		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	4O0	4	0	5,018,271:00:0	
523	99	151	00:25:40.066	465SI6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	5,018,271:00:0	
524	99	151	00:26:34.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	4O0	4	0	5,018,271:81:0	
525	99	151	00:26:34.066		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	4O0	4	0	5,018,271:81:0	
526	99	151	00:26:34.066	465SJ6A	6DTRN	CMD,6DTRN,465SJ6	DMS TRACK TURNAROUND	4O0	4	0	5,018,271:81:0	
527	99	151	00:26:35.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	4O0	4	0	5,018,271:83:1	
528	99	151	00:26:40.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	5,018,272:00:0	
529	99	151	00:26:41.933		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	4O0	4	0	5,018,272:01:8	
530	99	151	00:26:43.333		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	4O0	4	0	5,018,272:03:9	
531	99	151	00:38:09.133		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4O0	4	0	5,018,283:31:6	
532	99	151	00:38:10.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4O0	4	0	5,018,283:33:4	
533	99	151	00:38:10.333		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4O0	4	0	5,018,283:33:4	
534	99	151	00:38:11.733		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4O0	4	0	5,018,283:35:5	
535	99	151	00:38:23.733		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4O0	4	0	5,018,283:53:5	
536	99	151	00:38:24.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4O0	4	0	5,018,283:55:3	
537	99	151	00:56:04.066	20UG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,018,301:06:0	
538	99	151	00:56:54.066	20UG4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,018,301:81:0	
539	99	151	00:58:01.400	176SO6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,018,303:00:0	
540	99	151	02:11:14.066	488CQ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,018,375:37:0	
541	99	151	02:53:49.400	488CR6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,018,417:48:0	
542	99	151	02:56:02.066	488CR6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,018,419:65:0	
543	99	151	03:10:58.066	488CR6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,018,434:44:0	
544	99	151	07:56:29.400	488CR6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,018,716:79:0	
545	99	151	11:25:54.066	488CS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,018,923:89:0	
546	99	151	13:44:10.733	488CS6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,019,060:67:0	
547	99	151	13:46:42.066	488CS6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,019,063:21:0	
548	99	152	02:53:40.000	488CT6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,019,841:50:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	99	152	02:58:10.000	488CT6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,019,846:00:0	
550	99	152	03:45:06.000	488CT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,019,892:38:0	
551	99	152	04:18:41.333	488CT6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,019,925:58:0	
552	99	152	04:52:20.666	488CT6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,019,958:84:0	
553	99	152	10:11:14.000	488CU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,020,274:28:0	
554	99	152	10:34:42.000	488CU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,020,297:47:0	
555	99	152	11:49:22.000	488CU6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,020,371:33:0	
556	99	152	11:56:25.333	488CU6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,020,378:31:0	
557	99	152	12:25:31.333	488CU6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,020,407:11:0	
558	99	152	17:26:26.000	488CV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,020,704:66:0	
559	99	152	18:13:22.000	488CV6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,020,751:13:0	
560	99	152	20:04:18.000	488CV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,020,860:78:0	
561	99	153	00:16:02.000	488CW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,021,109:75:0	
562	99	153	02:06:58.000	488CW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,021,219:49:0	
563	99	153	02:45:58.666	488CW6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,021,258:11:0	
564	99	153	02:51:46.000	488CW6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,021,263:77:0	
565	99	153	03:28:02.000	488CW6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,021,299:65:0	
566	99	153	10:14:46.600	488CX6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,021,701:90:0	
567	99	153	10:24:01.933	488CX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,021,711:13:0	
568	99	153	11:45:05.933	488CX6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,021,791:29:0	
569	99	153	17:26:25.933	488CY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,022,128:82:0	
570	99	153	18:13:21.933	488CY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,022,175:29:0	
571	99	153	20:00:01.933	488CY6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,022,280:74:0	
572	99	154	00:16:01.933	488CZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,022,534:00:0	
573	99	154	02:00:33.933	488CZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,022,637:35:0	
574	99	154	02:44:41.266	488CZ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,022,681:02:0	
575	99	154	02:47:29.933	488CZ6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,022,683:73:0	
576	99	154	03:02:25.933	488CZ6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,022,698:52:0	
577	99	154	17:29:53.866	488DA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,023,556:46:0	
578	99	154	17:58:25.866	488DA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,023,584:66:0	
579	99	154	18:48:27.200	488DA6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,023,634:18:0	
580	99	154	19:22:06.533	488DA6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,023,667:44:0	
581	99	155	02:11:13.866	488DB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,024,072:10:0	
582	99	155	02:37:32.533	488DB6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,024,098:12:0	
583	99	155	02:47:29.866	488DB6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,024,107:89:0	
584	99	155	03:23:45.866	488DB6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,024,143:77:0	
585	99	155	10:13:57.866	488DC6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,024,549:49:0	
586	99	155	10:19:45.866	488DC6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,024,555:25:0	
587	99	155	10:38:57.866	488DC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,024,574:24:0	
588	99	155	11:38:24.533	488DC6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,024,633:05:0	
589	99	155	12:12:03.200	488DC6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,024,666:30:0	
590	99	155	18:04:49.866	488DD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,025,015:21:0	
591	99	155	18:56:08.533	488DD6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,025,065:89:0	
592	99	155	19:25:14.533	488DD6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,025,094:69:0	
593	99	155	19:32:59.866	488DD6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,025,102:39:0	
594	99	155	19:37:37.200	176SD6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,025,107:00:0	
595	99	155	19:48:59.866	20BA4C	7STAT	10.00,291.7804,1	Stator inertial point	4O0	4	0	5,025,118:23:0	
596	99	155	19:49:11.866	20BA6A	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	5,025,118:41:0	
597	99	155	19:49:21.866	488DD6E	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,025,118:56:0	
598	99	155	20:09:59.866	474BA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,025,139:02:0	
599	99	155	20:11:59.866	474BA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,025,141:00:0	
600	99	155	20:12:19.866	20BA4D	7STAT	17.45,291.7804,1	Stator inertial point	4O0	4	0	5,025,141:30:0	
601	99	155	20:16:13.866	474BA416A4E	7BURN	,291.780399,12.3	ALERT -- Thruster fire	4O0	4	0	5,025,145:17:0	
602	99	155	20:23:59.866	20BA4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,025,152:79:0	
603	99	155	20:29:51.866	20BA4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,025,158:61:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	99	155	20:51:07.866	20BA4L	7STAT	10.00,291.7804,1	Stator inertial point	4O0	4	0	5,025,179:64:0	
605	99	155	20:57:07.866	20BA4O	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,025,185:58:0	
606	99	155	20:59:07.866	474BA416A4G	7BURN	T,291.780399,12.	ALERT -- Thruster fire	4O0	4	0	5,025,187:56:0	
607	99	155	21:07:39.866	20BA4Q	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,025,196:05:0	
608	99	155	21:12:31.866	20BA4R	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,025,200:79:0	
609	99	155	22:20:03.800	20BB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,025,267:60:0	
610	99	155	22:20:53.800	20BB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,025,268:44:0	
611	99	155	22:22:25.800	176BA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,025,270:00:0	
612	99	156	00:11:45.800	488DE6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,025,378:12:0	
613	99	156	01:40:59.800	488DE6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,025,466:35:0	
614	99	156	01:41:37.133	176SE6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,025,467:00:0	
615	99	156	01:56:17.800	488DE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,025,481:47:0	
616	99	156	02:41:05.800	488DE6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,025,525:75:0	
617	99	156	03:23:45.800	488DE6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,025,568:02:0	
618	99	156	04:13:20.466	488DF6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,025,617:05:0	
619	99	156	04:46:59.133	488DF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,025,650:30:0	
620	99	156	12:50:04.466	488DG6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,026,128:10:0	
621	99	156	17:23:44.466	488DG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,026,398:70:0	
622	99	156	17:58:25.800	488DG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,026,433:07:0	
623	99	156	19:45:05.800	488DH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,026,538:52:0	
624	99	157	00:11:45.800	488DH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,026,802:28:0	
625	99	157	01:56:17.800	488DI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,026,905:63:0	
626	99	157	02:31:05.800	488DI6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,026,940:10:0	
627	99	157	02:36:49.800	488DI6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,026,945:71:0	
628	99	157	03:13:05.800	488DI6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,026,981:59:0	
629	99	157	10:05:08.400	488DJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,027,389:15:0	
630	99	157	10:15:29.733	488DJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,027,399:37:0	
631	99	157	11:23:45.733	488DJ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,027,466:84:0	
632	99	157	11:59:59.733	41XE99A	**POWER**	**PWR MODE change**	Change to Calib/Decon Mode	4O0	4	0	5,027,502:69:0	
633	**99**	**157**	**12:00:00.000**	**20NNRCTRLT01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
634	**99**	**157**	**12:00:03.733**	**41XE3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,027,502:75:0**	
635	**99**	**157**	**12:00:13.733**	**41XE3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,027,502:90:0**	
636	**99**	**157**	**12:00:23.733**	**41XE3K**	**40T2R**		**1 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**5,027,503:14:0**	
637	**99**	**157**	**12:00:33.733**	**41XE3L**	**40T2R**		**2 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**5,027,503:29:0**	
638	99	157	12:10:21.066	176XU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,027,513:00:0	
639	99	157	12:14:09.066	20XE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,027,516:69:0	
640	99	157	12:18:15.733	20DA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,027,520:75:0	
641	99	157	12:19:05.733	20DA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,027,521:59:0	
642	99	157	12:20:27.733	176XV6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,027,523:00:0	
643	**99**	**157**	**12:21:28.400**	**185XE10A3A**	**40HRP**		**1 RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**5,027,524:00:0**	
644	**99**	**157**	**12:21:33.733**	**185XE10B3A**	**40HRP**		**2 RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**5,027,524:08:0**	
645	99	157	17:11:29.733	488DK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,027,810:76:0	
646	99	157	18:00:33.733	488DK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,027,859:33:0	
647	99	157	19:38:41.733	488DK6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,027,956:38:0	
648	99	158	00:11:45.733	488DL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,028,226:44:0	
649	99	158	00:16:15.066	125XE	NIMSINIT	GS	##### GROUP START INIT	4O0	4	0	5,028,230:84:0	
650	**99**	**158**	**00:16:15.066**	**125XE4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**5,028,230:84:0**	
651	**99**	**158**	**00:17:15.733**	**125XE4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**4R0**	**4**	**0**	**5,028,231:84:0**	
652	**99**	**158**	**00:18:16.400**	**125XE4C**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**5,028,232:84:0**	
653	**99**	**158**	**00:19:17.066**	**125XE4D**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**5,028,233:84:0**	
654	99	158	00:19:17.066	125XE11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	5,028,233:84:0	
655	99	158	00:21:18.400	127XE	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	5,028,235:84:0	
656	**99**	**158**	**00:21:18.400**	**127XE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**5,028,235:84:0**	
657	**99**	**158**	**00:21:19.066**	**127XE4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**5,028,235:85:0**	
658	99	158	00:22:09.066	127XE11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	5,028,236:69:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	99	158	00:25:25.733	176XE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	5,028,240:00:0	
660	99	158	00:27:26.400	20SR4A	7SCAN	NORM,15.4315,5.1	Check S/P Position	1R3	4	0	5,028,241:90:0	
661	99	158	00:31:29.733	192XE4A	**7CONE**	**17.0,119.7**	Check S/P Position	1R3	4	0	5,028,246:00:0	
662	**99**	**158**	**00:33:51.066**	**432XE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**5,028,248:30:0**	
663	**99**	**158**	**00:34:50.400**	**432XF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**5,028,249:28:0**	
664	99	158	00:37:33.733	192XE4B	**7CONE**	**17.0,0.0**	Check S/P Position	1R3	4	0	5,028,252:00:0	
665	**99**	**158**	**00:39:55.066**	**432XU6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**5,028,254:30:0**	
666	**99**	**158**	**00:41:55.066**	**432XV6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**5,028,256:28:0**	
667	99	158	00:43:37.733	192XE4C	**7CONE**	**17.0,119.7**	Check S/P Position	1R3	4	0	5,028,258:00:0	
668	**99**	**158**	**00:45:39.066**	**185XE10C3A**	**40HRPR**	**1**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**5,028,260:00:0**	
669	**99**	**158**	**00:45:44.400**	**185XE10D3A**	**40HRPR**	**2**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**5,028,260:08:0**	
670	**99**	**158**	**00:45:59.066**	**432XW6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**5,028,260:30:0**	
671	**99**	**158**	**00:46:58.400**	**432XY6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**5,028,261:28:0**	
672	99	158	00:48:36.400	125DC	NIMSINIT	GS	##### GROUP START INIT	1R3	4	0	5,028,262:84:0	
673	**99**	**158**	**00:48:36.400**	**125DC4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**5,028,262:84:0**	
674	99	158	00:48:36.400	125DC11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,028,262:84:0	
675	99	158	00:49:37.066	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	5,028,263:84:0	
676	**99**	**158**	**00:49:37.066**	**127DC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**5,028,263:84:0**	
677	**99**	**158**	**00:49:37.733**	**127DC4B**	**37ETB**	**07,C7,31,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**5,028,263:85:0**	
678	99	158	00:49:41.733	192XE4D	**7CONE**	**17.0,153.0**	Check S/P Position	4R3	4	0	5,028,264:00:0	
679	**99**	**158**	**00:50:01.733**	**432DC6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**5,028,264:30:0**	
680	99	158	00:50:27.733	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	5,028,264:69:0	
681	99	158	00:50:37.733	125DD	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,028,264:84:0	
682	99	158	00:50:37.733	125DD11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,028,264:84:0	
683	**99**	**158**	**00:50:37.733**	**125DD4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**5,028,264:84:0**	
684	**99**	**158**	**00:52:39.066**	**125DE4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**5,028,266:84:0**	
685	99	158	00:52:39.066	125DE11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,028,266:84:0	
686	99	158	00:52:39.066	125DE	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,028,266:84:0	
687	**99**	**158**	**00:53:02.400**	**432DE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**5,028,267:28:0**	
688	**99**	**158**	**00:56:41.733**	**127XF4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**5,028,270:84:0**	
689	99	158	00:56:41.733	127XF	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	5,028,270:84:0	
690	**99**	**158**	**00:56:42.400**	**127XF4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**5,028,270:85:0**	
691	99	158	00:57:32.400	127XF11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	5,028,271:69:0	
692	**99**	**158**	**00:59:43.733**	**125XF4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**5,028,273:84:0**	
693	99	158	00:59:43.733	125XF	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	5,028,273:84:0	
694	**99**	**158**	**01:00:44.400**	**125XF4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**5,028,274:84:0**	
695	99	158	01:01:45.066	125XF11A	NIMSINIT	GE	##### GROUP END INIT	460	4	0	5,028,275:84:0	
696	**99**	**158**	**01:01:45.066**	**125XF4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**5,028,275:84:0**	
697	99	158	01:08:39.733	41XU99A	**POWER**	**PWR MODE change**	Change to Maneuver/Playback Mode	4O0	4	0	5,028,282:69:0	
698	**99**	**158**	**01:10:33.733**	**41XU3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**5,028,284:58:0**	
699	**99**	**158**	**01:10:43.733**	**41XU3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**5,028,284:73:0**	
700	**99**	**158**	**01:10:53.733**	**41XU3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**5,028,284:88:0**	
701	**99**	**158**	**01:11:03.733**	**41XU3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**5,028,285:12:0**	
702	**99**	**158**	**01:15:44.666**	**20NNRCTRLT01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
703	99	158	01:18:50.400	20DB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,028,292:75:0	
704	99	158	01:19:40.400	20DB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,028,293:59:0	
705	99	158	01:21:02.400	176XF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,028,295:00:0	
706	99	158	01:52:01.733	488DL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,028,325:59:0	
707	99	158	02:21:53.733	488DL6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,028,355:17:0	
708	99	158	02:45:21.733	488DL6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,028,378:36:0	
709	99	158	04:44:49.733	488DL6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,028,496:50:0	
710	99	158	11:25:53.733	488DM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,028,893:19:0	
711	99	158	13:27:29.733	488DM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,029,013:43:0	
712	99	158	13:38:11.733	488DM6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,029,024:05:0	
713	99	158	13:48:49.733	488DM6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,029,034:52:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	99	158	17:18:55.666	488DM6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,029,242:33:0	
715	99	158	17:54:09.666	488DN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,029,277:19:0	
716	99	158	19:34:25.666	488DN6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,029,376:34:0	
717	99	158	20:47:54.333	488DN6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,029,449:04:0	
718	99	158	20:51:13.666	488DN6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,029,452:30:0	
719	99	159	09:59:21.000	488DO6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,030,231:72:0	
720	99	159	10:04:49.666	488DO6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,030,237:19:0	
721	99	159	10:19:45.666	488DO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,030,251:89:0	
722	99	159	11:28:01.000	488DO6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,030,319:44:0	
723	99	159	12:01:40.333	488DO6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,030,352:70:0	
724	99	159	17:49:53.666	488DP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,030,697:15:0	
725	99	159	18:45:45.666	488DP6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,030,752:38:0	
726	99	159	19:14:51.666	488DP6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,030,781:18:0	
727	99	159	19:30:09.666	488DP6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,030,796:30:0	
728	99	160	00:07:29.600	488DQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,031,070:56:0	
729	99	160	01:47:45.600	488DQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,031,169:71:0	
730	99	160	02:24:17.600	488DQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,031,205:83:0	
731	99	160	02:26:09.600	488DQ6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,031,207:69:0	
732	99	160	02:41:05.600	488DQ6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,031,222:48:0	
733	99	160	09:50:25.600	488DR6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,031,647:13:0	
734	99	160	10:00:33.600	488DR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,031,657:15:0	
735	99	160	11:15:13.600	488DR6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,031,731:01:0	
736	99	160	17:07:13.600	488DS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,032,079:13:0	
737	99	160	17:49:53.600	488DS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,032,121:31:0	
738	99	160	19:30:09.600	488DS6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,032,220:46:0	
739	99	161	00:01:05.600	488DT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,032,488:42:0	
740	99	161	01:41:21.600	488DT6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,032,587:57:0	
741	99	161	02:20:38.266	488DT6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,032,626:43:0	
742	99	161	02:26:09.600	488DT6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,032,631:85:0	
743	99	161	03:02:25.600	488DT6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,032,667:73:0	
744	99	161	17:09:13.533	488DU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,033,505:27:0	
745	99	161	17:45:37.533	488DU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,033,541:27:0	
746	99	161	19:30:09.533	488DU6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,033,644:62:0	
747	99	161	23:56:49.533	488DV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,033,908:38:0	
748	99	162	01:37:05.533	488DV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,034,007:53:0	
749	99	162	02:06:57.533	488DV6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,034,037:11:0	
750	99	162	02:34:41.533	488DV6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,034,064:50:0	
751	99	162	03:04:33.533	488DV6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,034,094:08:0	
752	99	162	03:47:45.533	488DW6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,034,136:74:0	
753	99	162	04:21:24.200	488DW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,034,170:08:0	
754	99	162	09:37:05.533	488DW6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,034,482:28:0	
755	99	162	10:00:33.533	488DX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,034,505:47:0	
756	99	162	11:10:57.533	488DX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,034,575:13:0	
757	99	162	11:20:29.533	488DX6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,034,584:52:0	
758	99	162	11:49:35.533	488DX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,034,613:32:0	
759	99	162	13:48:15.466	488DX6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,034,730:65:0	
760	99	162	13:53:05.466	488DY6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,034,735:45:0	
761	99	162	17:04:19.466	488DY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,034,924:57:0	
762	99	162	17:45:37.466	488DY6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,034,965:43:0	
763	99	162	19:30:09.466	488DY6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,035,068:78:0	
764	99	162	19:31:10.800	20NV6A	6TMSED	NORM,BA6	Sci, Eng, and D/L Chan	4O0	4	0	5,035,069:79:0	
765	99	162	19:31:18.800	176NV6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,035,070:00:0	
766	99	162	19:42:00.133	20NV4I	**7CONE**	**17.45,180.00**	Check S/P Position	4O0	4	0	5,035,080:52:0	
767	99	162	19:57:00.133	20NV4J	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,035,095:37:0	
768	99	162	20:12:00.133	20NV4L	7SLEW	INIT,NEG,16.326	Stator movement	4O0	4	0	5,035,110:22:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	99	162	20:16:00.133	20NV4M	7SLEW	INIT,NEG,17.157	Stator movement	4O0	4	0	5,035,114:18:0	
770	99	162	20:20:00.133	20NV4N	7SLEW	INIT,NEG,17.988	Stator movement	4O0	4	0	5,035,118:14:0	
771	99	162	20:24:00.133	20NV4O	7SLEW	INIT,NEG,18.548	Stator movement	4O0	4	0	5,035,122:10:0	
772	99	162	20:28:00.133	20NV4P	7SLEW	INIT,NEG,19.102	Stator movement	4O0	4	0	5,035,126:06:0	
773	99	162	20:32:00.133	20NV4Q	7SLEW	INIT,NEG,19.656	Stator movement	4O0	4	0	5,035,130:02:0	
774	99	162	20:36:00.133	20NV4R	7SLEW	INIT,NEG,20.209	Stator movement	4O0	4	0	5,035,133:89:0	
775	99	162	20:40:00.133	20NV4S	7SLEW	INIT,NEG,20.763	Stator movement	4O0	4	0	5,035,137:85:0	
776	99	162	20:44:00.133	20NV4T	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,035,141:81:0	
777	99	162	20:45:00.133	20NV4U	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,035,142:80:0	
778	99	162	20:50:00.133	20NV4W	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,035,147:75:0	
779	99	162	21:04:34.133	20NV4AG	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,035,162:21:0	
780	99	162	21:05:24.133	20NV4AH	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,035,163:05:0	
781	99	162	21:06:00.133	176NE6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,035,163:59:0	
782	99	162	21:06:16.133	20NV6L	6MROH	7,673E,2,A40	read from AACSA7,673E,2,A40	4O0	4	0	5,035,163:83:0	
783	99	162	21:07:16.133	20NV6M	6MROH	7,693C,2,A40	read from AACSA7,693C,2,A40	4O0	4	0	5,035,164:82:0	
784	99	162	21:08:16.133	20NV6N	6MROH	7,6F96,2,A40	read from AACSA7,6F96,2,A40	4O0	4	0	5,035,165:81:0	
785	99	162	21:09:16.133	20NV6O	6MROH	44,2A00,15,A40	read from LLM2A44,2A00,15,A	4O0	4	0	5,035,166:80:0	
786	99	162	21:14:36.133	20NV6P	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,035,172:14:0	
787	99	162	23:48:17.466	488DZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,035,324:14:0	
788	99	163	01:32:49.466	488DZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,035,427:49:0	
789	99	163	02:13:21.466	488DZ6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,035,467:57:0	
790	99	163	02:30:25.466	488DZ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,035,484:46:0	
791	99	163	04:34:09.466	488DZ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,035,606:80:0	
792	99	163	09:32:49.466	488EA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,035,902:24:0	
793	99	163	09:56:17.466	488EA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,035,925:43:0	
794	99	163	11:10:57.466	488EA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,035,999:29:0	
795	99	163	16:56:33.466	488EB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,036,341:11:0	
796	99	163	17:45:37.466	488EB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,036,389:59:0	
797	99	163	19:30:09.466	488EB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,036,493:03:0	
798	99	163	23:41:53.400	488EC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,036,742:00:0	
799	99	164	01:26:25.400	488EC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,036,845:35:0	
800	99	164	02:08:27.400	488EC6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,036,886:87:0	
801	99	164	02:13:21.400	488EC6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,036,891:73:0	
802	99	164	02:49:37.400	488EC6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,036,927:61:0	
803	99	164	16:59:32.733	488ED6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,037,768:23:0	
804	99	164	17:39:13.400	488ED6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,037,807:45:0	
805	99	164	19:34:25.400	488ED6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,037,921:39:0	
806	99	164	23:33:21.400	488EE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,038,157:67:0	
807	99	165	01:28:33.400	488EE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,038,271:61:0	
808	99	165	02:07:28.733	488EE6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,038,310:15:0	
809	99	165	02:13:21.400	488EE6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,038,315:89:0	
810	99	165	02:49:37.400	488EE6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,038,351:77:0	
811	99	165	16:59:38.666	488EF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,039,192:48:0	
812	99	165	17:41:21.333	488EF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,039,233:71:0	
813	99	165	19:34:25.333	488EF6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,039,345:55:0	
814	99	165	20:49:41.333	488EF6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,039,420:04:0	
815	99	165	20:53:21.333	488EF6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,039,423:61:0	
816	99	166	02:00:02.000	488EG6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,039,726:89:0	
817	99	166	02:11:13.333	488EG6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,039,738:04:0	
818	99	166	03:10:57.333	488EG6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,039,797:11:0	
819	99	166	03:32:20.000	488EG6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,039,818:24:0	
820	99	166	04:05:59.333	488EG6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,039,851:50:0	
821	99	166	11:32:17.333	488EH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,040,292:86:0	
822	99	166	13:10:03.333	488EH6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,040,389:58:0	
823	99	166	13:39:09.933	488EH6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,040,418:39:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	99	166	16:48:01.266	488EH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,040,605	19:0
825	99	166	17:26:25.266	488EH6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,040,643	17:0
826	99	166	18:52:59.933	488EI6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,040,728	74:0
827	99	166	18:56:01.266	488EI6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	4O0	4	0	5,040,731	73:0
828	99	166	18:57:13.933	176TH6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,040,733	00:0
829	99	166	19:05:59.933	20WD4C	7STAT	10.00,206.53,-9.	Stator inertial point	4O0	4	0	5,040,741	61:0
830	99	166	19:25:01.933	490UB412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,040,760	45:0
831	99	166	19:29:59.933	490UB412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,040,765	37:0
832	99	166	19:30:19.933	20WD4D	7STAT	17.45,206.53,-9.	Stator inertial point	4O0	4	0	5,040,765	67:0
833	99	166	19:34:09.933	490UB412A4E	7VECT		Inert vect update UTC	4O0	4	0	5,040,769	48:0
834	99	166	19:34:13.933	490UB412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	5,040,769	54:0
835	99	166	19:38:01.933	490UB412A406A4A	7STAR	11,701,278.81	Star catalog update	4O0	4	0	5,040,773	32:0
836	99	166	19:38:03.933	490UB412A406A4B	7STAR	2,111,285.778,13	Star catalog update	4O0	4	0	5,040,773	35:0
837	99	166	19:38:05.933	490UB412A406A4C	7STAR	3,350,120.46	Star catalog update	4O0	4	0	5,040,773	38:0
838	99	166	19:38:07.933	490UB412A406A4D	7STAR	4,133,165.16	Star catalog update	4O0	4	0	5,040,773	41:0
839	99	166	19:38:09.933	490UB412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	5,040,773	44:0
840	99	166	19:38:11.933	490UB412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	5,040,773	47:0
841	99	166	19:48:05.933	20WD4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,040,783	28:0
842	99	166	19:56:09.933	490UB412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,040,791	26:0
843	99	166	21:21:59.933	488EI6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,040,876	16:0
844	99	166	21:30:03.933	20TB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,040,884	14:0
845	99	166	21:30:53.933	20TB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,040,884	89:0
846	99	166	21:32:56.600	176TI6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,040,887	00:0
847	99	167	00:03:13.266	488EI6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,041,035	57:0
848	99	167	01:28:33.266	488EJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,041,120	02:0
849	99	167	02:01:24.600	488EJ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,041,152	47:0
850	99	167	02:06:57.266	488EJ6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,041,158	00:0
851	99	167	02:43:13.266	488EJ6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,041,193	79:0
852	99	167	09:30:10.600	488EK6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,041,596	32:0
853	99	167	09:34:57.266	488EK6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,041,601	07:0
854	99	167	09:49:53.266	488EK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,041,615	77:0
855	99	167	10:57:11.266	488EK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,041,682	37:0
856	99	167	11:30:50.600	488EK6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,041,715	63:0
857	99	167	13:10:25.266	488EL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,041,814	16:0
858	99	167	13:34:59.933	488EL6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,041,838	44:0
859	99	167	13:38:33.266	176TC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,041,842	00:0
860	99	167	14:04:29.933	20SY4I	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,041,867	60:0
861	99	167	14:19:29.933	20SY4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	5,041,882	45:0
862	99	167	14:31:29.933	20SY4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,041,894	33:0
863	99	167	14:38:29.933	20SY4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	5,041,901	26:0
864	99	167	14:50:29.933	20SY4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,041,913	14:0
865	99	167	14:57:29.933	20SY4O	7SLEW	INIT,POS,4.36	Stator movement	4O0	4	0	5,041,920	07:0
866	99	167	15:09:29.933	20SY4P	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,041,931	86:0
867	99	167	15:16:29.933	20SY4Q	7SLEW	INIT,NEG,4.36	Stator movement	4O0	4	0	5,041,938	79:0
868	99	167	15:28:29.933	20SY4R	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,041,950	67:0
869	99	167	15:47:29.933	20SY4U	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,041,969	48:0
870	99	167	15:56:29.933	20SY4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,041,978	39:0
871	99	167	16:11:03.933	20TC4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,041,992	76:0
872	99	167	16:11:53.933	20TC4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,041,993	60:0
873	99	167	16:12:14.600	176TJ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,041,994	00:0
874	99	167	16:13:59.933	488EL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,041,995	67:0
875	99	167	16:43:45.266	488EL6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,042,025	15:0
876	99	167	17:20:01.266	488EL6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,042,061	03:0
877	99	167	18:19:55.266	488EM6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,042,120	25:0
878	99	167	18:45:21.266	488EM6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,042,145	39:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	99	167	18:48:11.266	488EM6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,042,148	21:0
880	99	167	18:57:03.266	176NL6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,042,157	00:0
881	99	167	18:57:59.933	488EM6D	6TMSED	NORM,BA6	Sci, Eng, and D/L Chan	4O0	4	0	5,042,157	85:0
882	99	167	19:00:07.933	20BC4A	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,042,160	04:0
883	99	167	19:02:29.933	20BC6A	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,162	35:0
884	99	167	19:05:59.933	20BC6B	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,165	77:0
885	99	167	19:09:29.933	20BC6C	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,169	28:0
886	99	167	19:12:59.933	20BC6D	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,172	70:0
887	99	167	19:16:29.933	20BC6E	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,176	21:0
888	99	167	19:19:59.933	20BC6F	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,179	63:0
889	99	167	19:23:29.933	20BC6G	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,183	14:0
890	99	167	19:26:59.933	20BC6H	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,186	56:0
891	99	167	19:30:29.933	20BC6I	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,190	07:0
892	99	167	19:33:59.933	20BC6J	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,193	49:0
893	99	167	19:37:29.933	20BC6K	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,197	00:0
894	99	167	19:40:59.933	20BC6L	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,200	42:0
895	99	167	19:44:29.933	20BC6M	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,203	84:0
896	99	167	19:47:59.933	20BC6N	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,207	35:0
897	99	167	19:51:29.933	20BC6O	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,210	77:0
898	99	167	19:54:59.933	20BC6P	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,214	28:0
899	99	167	19:58:29.933	20BC6Q	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,217	70:0
900	99	167	20:00:59.933	20BC6R	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,220	22:0
901	99	167	20:04:29.933	20BC6S	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,223	64:0
902	99	167	20:07:59.933	20BC6T	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,042,227	15:0
903	99	167	20:11:03.933	20NO4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,042,230	18:0
904	99	167	20:11:53.933	20NO4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,042,231	02:0
905	99	167	20:12:53.266	176NM6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,042,232	00:0
906	99	167	20:14:59.933	488EM6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,042,234	08:0
907	99	168	00:03:13.200	488EN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,042,459	73:0
908	99	168	01:28:33.200	488EN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,042,544	18:0
909	99	168	02:00:28.533	488EN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,042,575	70:0
910	99	168	02:02:41.200	488EN6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,042,577	87:0
911	99	168	02:17:37.200	488EN6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,042,592	66:0
912	99	168	16:49:58.533	488EO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,043,455	45:0
913	99	168	17:15:45.200	488EO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,043,480	90:0
914	99	168	18:45:21.200	488EO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,043,569	55:0
915	99	168	23:58:57.200	488EP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,043,879	69:0
916	99	169	01:22:09.200	488EP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,043,962	04:0
917	99	169	01:52:01.200	488EP6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,043,991	53:0
918	99	169	02:26:09.200	488EP6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,044,025	31:0
919	99	169	03:26:59.200	488EP6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,044,085	46:0
920	99	169	04:00:38.533	488EQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,044,118	72:0
921	99	169	09:13:37.133	488EQ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,044,428	30:0
922	99	169	09:41:21.133	488EQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,044,455	69:0
923	99	169	10:46:57.133	488ER6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,044,520	58:0
924	99	169	11:25:36.466	488ER6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,044,558	79:0
925	99	169	12:51:13.133	488ER6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,044,643	49:0
926	99	169	16:37:21.133	488ER6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,044,867	17:0
927	99	169	17:15:45.133	488ES6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,044,905	15:0
928	99	169	18:14:41.800	488ES6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,044,963	42:0
929	99	169	18:41:05.133	488ES6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,044,989	51:0
930	99	169	18:43:11.800	488ES6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,044,991	59:0
931	99	169	23:52:33.133	488ET6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,045,297	55:0
932	99	170	01:22:09.133	488ET6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,045,386	20:0
933	99	170	01:52:01.133	488ET6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,045,415	69:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	99	170	02:21:53.133	488ET6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,045,445	27:0
935	99	170	03:26:53.133	488ET6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,045,509	53:0
936	99	170	03:57:38.466	176SR6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,045,540	00:0
937	99	170	04:00:32.466	488EU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,045,542	79:0
938	99	170	04:01:59.800	20US4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,045,544	28:0
939	99	170	04:02:59.800	20US4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	4O0	4	0	5,045,545	27:0
940	99	170	04:04:59.800	20US4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,045,547	25:0
941	99	170	04:10:29.800	20US4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	4O0	4	0	5,045,552	65:0
942	99	170	04:10:30.466	20US4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	4O0	4	0	5,045,552	66:0
943	99	170	04:10:50.466	20US4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	4O0	4	0	5,045,553	05:0
944	99	170	04:10:51.133	20US4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	4O0	4	0	5,045,553	06:0
945	99	170	04:11:11.133	20US4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,045,553	36:0
946	99	170	04:11:11.800	20US4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,045,553	37:0
947	99	170	04:11:21.800	20US4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	4O0	4	0	5,045,553	52:0
948	99	170	04:11:22.466	20US4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	4O0	4	0	5,045,553	53:0
949	99	170	04:11:32.466	20US4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	4O0	4	0	5,045,553	68:0
950	99	170	04:11:33.133	20US4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	4O0	4	0	5,045,553	69:0
951	99	170	04:13:19.800	20US4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	4O0	4	0	5,045,555	47:0
952	99	170	04:13:20.466	20US4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	4O0	4	0	5,045,555	48:0
953	99	170	04:13:40.466	20US4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	4O0	4	0	5,045,555	78:0
954	99	170	04:13:41.133	20US4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	4O0	4	0	5,045,555	79:0
955	99	170	04:14:01.133	20US4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,045,556	18:0
956	99	170	04:14:01.800	20US4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,045,556	19:0
957	99	170	04:14:11.800	20US4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	4O0	4	0	5,045,556	34:0
958	99	170	04:14:12.466	20US4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	4O0	4	0	5,045,556	35:0
959	99	170	04:14:22.466	20US4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	4O0	4	0	5,045,556	50:0
960	99	170	04:14:23.133	20US4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	4O0	4	0	5,045,556	51:0
961	99	170	04:15:19.800	20US4Z	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,045,557	45:0
962	99	170	04:40:03.800	20UP4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,045,581	87:0
963	99	170	04:40:53.800	20UP4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,045,582	71:0
964	99	170	04:42:07.800	176SQ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,045,584	00:0
965	99	170	10:26:09.133	488EV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,045,924	22:0
966	99	170	10:54:36.466	488EV6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,045,952	35:0
967	99	170	11:23:42.466	488EV6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,045,981	15:0
968	99	170	16:34:19.733	488EW6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,046,288	34:0
969	99	170	17:13:25.733	488EW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,046,327	04:0
970	99	170	18:41:05.066	488EW6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,046,413	67:0
971	99	170	23:48:17.066	488EX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,046,717	51:0
972	99	171	01:17:53.066	488EX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,046,806	16:0
973	99	171	01:50:31.066	488EX6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,046,838	41:0
974	99	171	01:54:09.066	488EX6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,046,842	04:0
975	99	171	02:04:49.066	488EX6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,046,852	54:0
976	99	171	16:40:19.733	488EY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,047,718	44:0
977	99	171	17:11:28.400	488EY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,047,749	26:0
978	99	171	18:41:04.400	488EY6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,047,837	82:0
979	99	171	20:50:03.733	488EY6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,047,965	43:0
980	99	171	20:53:20.400	488EY6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,047,968	65:0
981	99	172	01:51:42.333	488EZ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,048,263	73:0
982	99	172	02:15:29.000	488EZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,048,287	29:0
983	99	172	03:16:38.333	488EZ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,048,347	73:0
984	99	172	03:50:17.666	488EZ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,048,381	08:0
985	99	172	12:27:45.000	488FA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,048,892	78:0
986	99	172	12:57:33.000	488FA6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,048,922	30:0
987	99	172	13:04:01.000	488FA6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,048,928	66:0
988	99	172	13:18:57.000	488FA6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,048,943	45:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	99	172	17:05:27.666	488FA6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,049,167:47:0	
990	99	172	17:15:45.000	488FB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,049,177:63:0	
991	99	172	18:45:21.000	488FB6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,049,266:28:0	
992	99	172	20:49:53.000	488FB6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,049,389:43:0	
993	99	172	20:53:21.000	488FB6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,049,392:82:0	
994	99	173	01:35:49.666	488FC6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,049,672:25:0	
995	99	173	01:41:20.333	488FC6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,049,677:66:0	
996	99	173	01:52:00.333	488FC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,049,688:25:0	
997	99	173	03:36:32.333	488FC6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,049,791:60:0	
998	99	173	09:09:20.933	488FD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,050,120:74:0	
999	99	173	10:21:52.933	488FD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,050,192:50:0	
1000	99	173	13:49:04.266	488FD6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,050,397:42:0	
1001	99	173	13:53:04.933	488FD6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,050,401:39:0	
1002	99	173	16:35:34.266	488FE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,050,562:12:0	
1003	99	173	17:07:12.933	488FE6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,050,593:39:0	
1004	99	173	18:51:44.933	488FE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,050,696:74:0	
1005	99	173	18:56:59.600	176NB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,050,702:00:0	
1006	99	173	18:58:00.266	488FE6D	6TMSED	NORM,BA6	Sci, Eng, and D/L Chan	4O0	4	0	5,050,703:00:0	
1007	99	173	19:00:08.266	20BD4A	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,050,705:10:0	
1008	99	173	19:02:30.266	20BD6A	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,707:41:0	
1009	99	173	19:06:00.266	20BD6B	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,710:83:0	
1010	99	173	19:09:30.266	20BD6C	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,714:34:0	
1011	99	173	19:13:00.266	20BD6D	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,717:76:0	
1012	99	173	19:16:30.266	20BD6E	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,721:27:0	
1013	99	173	19:20:00.266	20BD6F	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,724:69:0	
1014	99	173	19:23:30.266	20BD6G	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,728:20:0	
1015	99	173	19:27:00.266	20BD6H	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,731:62:0	
1016	99	173	19:30:30.266	20BD6I	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,735:13:0	
1017	99	173	19:34:00.266	20BD6J	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,738:55:0	
1018	99	173	19:37:30.266	20BD6K	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,742:06:0	
1019	99	173	19:41:00.266	20BD6L	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,745:48:0	
1020	99	173	19:44:30.266	20BD6M	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,748:90:0	
1021	99	173	19:48:00.266	20BD6N	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,752:41:0	
1022	99	173	19:51:30.266	20BD6O	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,755:83:0	
1023	99	173	19:55:00.266	20BD6P	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,759:34:0	
1024	99	173	19:58:30.266	20BD6Q	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,762:76:0	
1025	99	173	20:01:00.266	20BD6R	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,765:28:0	
1026	99	173	20:04:30.266	20BD6S	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,768:70:0	
1027	99	173	20:08:00.266	20BD6T	6MROH	7,696B,5,A40	read from AACSA7,696B,5,A40	4O0	4	0	5,050,772:21:0	
1028	99	173	20:11:04.266	20NP4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,050,775:24:0	
1029	99	173	20:11:54.266	20NP4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,050,776:08:0	
1030	99	173	20:12:49.600	176NA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,050,777:00:0	
1031	99	173	20:15:00.266	488FE6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	5,050,779:14:0	
1032	99	173	23:18:24.933	488FF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,050,960:50:0	
1033	99	174	01:02:56.933	488FF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,051,063:85:0	
1034	99	174	01:16:50.266	488FF6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,051,077:61:0	
1035	99	174	01:24:16.933	488FF6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,051,085:03:0	
1036	99	174	09:06:59.600	488FG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,051,542:60:0	
1037	99	174	09:26:24.266	488FG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,051,561:78:0	
1038	99	174	10:36:20.933	488FG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,051,631:03:0	
1039	99	174	11:10:00.266	488FG6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,051,664:29:0	
1040	99	174	16:24:32.866	488FH6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,051,975:37:0	
1041	99	174	16:52:16.866	488FH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,052,002:76:0	
1042	99	174	17:46:19.533	488FH6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,052,056:26:0	
1043	99	174	18:24:58.200	488FH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,052,094:46:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	99	175	00:51:48.200	488FI6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,052,477:08:0	
1045	99	175	00:58:40.866	488FI6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,052,483:81:0	
1046	99	175	01:47:04.866	488FI6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,052,531:69:0	
1047	99	175	01:56:16.866	488FI6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,052,540:78:0	
1048	99	175	02:21:16.200	488FI6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,052,565:52:0	
1049	99	175	02:54:55.533	488FJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,052,598:78:0	
1050	99	175	03:51:28.866	488FJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,052,654:72:0	
1051	99	175	06:05:00.200	488FJ6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,052,786:77:0	
1052	99	175	06:08:11.533	176SL6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,052,790:00:0	
1053	99	175	06:39:00.200	20SV4I	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,052,820:43:0	
1054	99	175	06:54:00.200	20SV4K	7SLEW	INIT,POS,17.45	Stator movement	4O0	4	0	5,052,835:28:0	
1055	99	175	07:06:00.200	20SV4L	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,052,847:16:0	
1056	99	175	07:13:00.200	20SV4M	7SLEW	INIT,NEG,17.45	Stator movement	4O0	4	0	5,052,854:09:0	
1057	99	175	07:18:45.533	488FJ6D	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,052,859:72:0	
1058	99	175	07:22:40.866	488FJ6E	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	4O0	4	0	5,052,863:61:0	
1059	99	175	07:25:00.200	20SV4N	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,052,865:88:0	
1060	99	175	07:37:00.200	20SV4AH	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,052,877:76:0	
1061	99	175	07:53:04.200	20SU4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,052,893:66:0	
1062	99	175	07:53:54.200	20SU4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,052,894:50:0	
1063	99	175	07:54:21.533	176TE6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,052,895:00:0	
1064	99	175	08:13:00.200	488FK6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,052,913:40:0	
1065	99	175	16:32:09.533	488FL6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,053,407:10:0	
1066	99	175	16:52:16.200	488FL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,053,427:00:0	
1067	99	175	17:46:11.533	488FL6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,053,480:30:0	
1068	99	175	18:19:50.200	488FL6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,053,513:55:0	
1069	99	176	01:09:20.800	488FM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,053,918:56:0	
1070	99	176	01:27:06.133	488FM6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,053,936:16:0	
1071	99	176	01:32:48.800	488FM6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	5,053,941:75:0	
1072	99	176	02:09:04.800	488FM6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,053,977:63:0	
1073	99	176	09:02:15.466	488FN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,054,386:30:0	
1074	99	176	09:26:24.800	488FN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,054,410:20:0	
1075	99	176	10:26:06.133	488FN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,054,469:23:0	
1076	99	176	10:59:45.466	488FN6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,054,502:49:0	
1077	99	176	17:11:28.133	488FO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,054,870:15:0	
1078	99	176	17:48:49.466	488FO6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,054,907:10:0	
1079	99	176	18:17:55.466	488FO6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,054,935:81:0	
1080	99	176	18:23:00.133	488FO6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	5,054,940:83:0	
1081	99	176	18:27:08.133	176SF6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	5,054,945:00:0	
1082	99	176	18:39:00.133	20CA4C	7STAT	10.00,114.7742,-	Stator inertial point	4O0	4	0	5,054,956:67:0	
1083	99	176	18:39:12.133	20CA6A	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	4O0	4	0	5,054,956:85:0	
1084	99	176	19:00:00.133	474CA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,054,977:46:0	
1085	99	176	19:02:00.133	474CA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	5,054,979:44:0	
1086	99	176	19:02:20.133	20CA4D	7STAT	17.45,114.7742,-	Stator inertial point	4O0	4	0	5,054,979:74:0	
1087	99	176	19:06:14.133	474CA416A4E	7BURN	,114.774199,-10.	ALERT -- Thruster fire	4O0	4	0	5,054,983:61:0	
1088	99	176	19:16:14.800	20CA4F	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,054,993:52:0	
1089	99	176	19:22:06.800	20CA4G	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,054,999:34:0	
1090	99	176	19:43:22.800	20CA4L	7STAT	10.00,114.7742,-	Stator inertial point	4O0	4	0	5,055,020:37:0	
1091	99	176	19:49:22.800	20CA4O	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	5,055,026:31:0	
1092	99	176	19:51:23.466	474CA416A4G	7BURN	T,114.774199,-10	ALERT -- Thruster fire	4O0	4	0	5,055,028:30:0	
1093	99	176	19:58:18.133	20CA4Q	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,055,035:15:0	
1094	99	176	20:03:10.133	20CA4R	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	5,055,039:89:0	
1095	99	176	21:10:42.133	20CB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	5,055,106:70:0	
1096	99	176	21:11:32.133	20CB4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	5,055,107:54:0	
1097	99	176	21:12:57.466	176CA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,055,109:00:0	
1098	99	176	23:31:00.133	488FP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,055,245:48:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	99	176	23:31:28.800	176SG6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	5,055,246:00:0	
1100	99	177	00:00:00.133	41AC99A	**POWER**	**PWR MODE change**	Change to Data Taking Mode	4O0	4	0	5,055,274:19:0	
1101	**99**	**177**	**00:00:04.133**	**41AC3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,055,274:25:0**	
1102	**99**	**177**	**00:00:14.133**	**41AC3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,055,274:40:0**	
1103	**99**	**177**	**00:00:24.133**	**41AC3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**5,055,274:55:0**	
1104	**99**	**177**	**00:00:34.133**	**41AC3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**5,055,274:70:0**	
1105	99	177	00:39:28.133	488FP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,055,313:22:0	
1106	99	177	01:28:32.133	488FP6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,055,361:70:0	
1107	99	177	02:11:12.133	488FP6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,055,403:88:0	
1108	99	177	03:01:00.133	488FP6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,055,453:20:0	
1109	99	177	03:34:39.466	488FQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,055,486:46:0	
1110	99	177	12:04:16.733	488FR6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,055,990:48:0	
1111	99	177	12:44:29.400	488FR6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,056,030:27:0	
1112	99	177	12:44:48.733	488FR6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,056,030:56:0	
1113	99	177	13:01:52.733	488FR6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,056,047:45:0	
1114	99	177	16:21:05.400	488FR6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,056,244:47:0	
1115	99	177	17:17:52.733	488FS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,056,300:62:0	
1116	99	177	21:59:16.733	432MC431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	5,056,578:90:0	
1117	99	177	21:59:17.400	432MC6A	6RTSL1		R/T Select of DDS and	4O0	4	0	5,056,579:00:0	
1118	99	178	00:28:48.066	488FT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,056,726:79:0	
1119	99	178	01:24:16.066	488FT6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,056,781:66:0	
1120	99	178	01:41:20.066	488FT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,056,798:55:0	
1121	99	178	04:57:36.066	488FT6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,056,992:65:0	
1122	99	178	08:50:08.066	488FU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,057,222:63:0	
1123	99	178	09:26:24.066	488FU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,057,258:51:0	
1124	99	178	10:20:50.066	488FU6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,057,312:36:0	
1125	99	178	10:54:29.400	488FU6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,057,345:62:0	
1126	99	178	16:13:52.666	488FV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,057,661:51:0	
1127	99	178	16:52:16.666	488FV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,057,699:49:0	
1128	99	178	17:30:47.333	488FV6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,057,737:57:0	
1129	99	178	18:09:26.666	488FV6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,057,775:78:0	
1130	99	178	21:47:31.333	488FV6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,057,991:49:0	
1131	99	178	21:55:12.666	488FW6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,057,999:13:0	
1132	99	179	01:22:37.333	488FW6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,058,204:25:0	
1133	99	179	01:41:20.666	488FW6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,058,222:72:0	
1134	99	179	05:46:40.000	488FX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,058,465:38:0	
1135	99	179	07:35:08.000	488FX6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,058,572:63:0	
1136	99	179	07:39:44.000	488FX6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,058,577:22:0	
1137	99	179	16:16:22.666	488FY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,059,088:19:0	
1138	99	179	17:22:08.000	488FY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,059,153:22:0	
1139	99	179	20:48:55.933	488FY6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	5,059,357:70:0	
1140	99	179	20:53:20.600	488FY6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,059,362:12:0	
1141	99	180	01:26:45.933	488FZ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	5,059,632:50:0	
1142	99	180	01:32:48.600	488FZ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	5,059,638:48:0	
1143	99	180	02:11:12.600	488FZ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,059,676:46:0	
1144	99	180	02:45:35.266	488FZ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,059,710:46:0	
1145	99	180	03:19:14.600	488FZ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	5,059,743:72:0	
1146	99	180	06:24:29.266	176SP6A	6TMREC	**TPB**	TERMINATE PLAYBACK (PB CONTROL) Record Mo	4O0	4	0	5,059,927:00:0	
1147	99	180	06:59:59.933		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	5,059,962:11:0	
1148	**99**	**180**	**07:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**5,059,962:11:1**	
1149	**99**	**180**	**07:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**5,059,962:11:1**	
1150	**99**	**180**	**07:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**5,059,962:11:1**	
1151	**99**	**180**	**07:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**5,059,962:11:1**	
1152	**99**	**180**	**07:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,059,962:11:1**	
1153	**99**	**180**	**07:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**5,059,962:11:1**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	99	180	07:00:00.000	20A3FD	40HRPR	Final Condition	RCT Heater OFF (primary relay)	4O0	4	0	5,059,962	1:1:1
1155	99	180	07:00:00.000	20A3FE	40T1PR	Final Condition	PCT Heater 1 OFF (primary relay)	4O0	4	0	5,059,962	1:1:1
1156	99	180	07:00:00.000	20A3FF	40T2R	Final Condition	PCT Heater 2 OFF	4O0	4	0	5,059,962	1:1:1

20INHRSPEC01

OAPEL: 20INHRSPEC01 ALIAS: 20INHRSPEC01
EXT: A PSID: DA
SCLK1: 04978128:00:0 SCLK2: 04978130:90:0
SCET1: 99-122/19:56:39.466 SCET2: 99-122/19:59:41.466
TARGET: IO 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: 228 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: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1A100	1,1010,0001,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	1A100	1,1010,0001,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	1A100	1,1010,0001,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	1A100	1,1010,0001,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	1A100	1,1010,0001,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	1A100	1,1010,0001,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	1A100	1,1010,0001,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	1A100	1,1010,0001,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	1A100	1,1010,0001,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	1A100	1,1010,0001,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	1A100	1,1010,0001,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	1A100	1,1010,0001,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

20ENECLPSE01

```
OAPEL:  20ENECLPSE01            ALIAS:  20ENECLPSE01
EXT:    A                       PSID:   DB
SCLK1:  04978443:00:0           SCLK2:  04978445:90:0
SCET1:    99-123/01:15:09.466   SCET2:    99-123/01:18:10.800
TARGET: EUROPA                  PARTITION: 1

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

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

20NNOPCAL_02

```
OAPEL:  20NNOPCAL_02            ALIAS:  20ENECLPSE01
EXT:    A                       PSID:   DB
SCLK1:  04978446:00:0           SCLK2:  04978446:87:0
SCET1:    99-123/01:18:11.466   SCET2:    99-123/01:19:09.466
TARGET: CAL                     PARTITION: 1

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

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

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

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

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	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

20JNJUPRTS01

OAPEL: 20JNJUPRTS01 ALIAS: 20JNJUPRTS01
EXT: R PSID: DH
SCLK1: 04978642:00:0 SCLK2: 04978651:12:0
SCET1: 1999-123/04:36:22.133 SCET2: 1999-123/04:45:36.133
TARGET: JUPITER PARTITION: 1

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

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

20JNJUPRTS02

OAPEL: 20JNJUPRTS02 ALIAS: 20JNJUPRTS02
EXT: R PSID: DI
SCLK1: 04978762:00:0 SCLK2: 04978771:12:0
SCET1: 1999-123/06:37:42.133 SCET2: 1999-123/06:46:56.133
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 10011 MB_UP: 11001
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 204 TLMFMT: RT

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

WETGID: 0303204000 03 03 204 000
WTGRP_SIZ: 3

EDIT TABLE

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

20JNGRWAKE01

```
OAPEL:  20JNGRWAKE01            ALIAS:  20JNGRWAKE01
EXT:    A                       PSID:   DC
SCLK1:  04978968:22:0           SCLK2:  04978975:55:0
SCET1:    99-123/10:06:14.800   SCET2:    99-123/10:13:40.800
TARGET: JUPITER                 PARTITION: 1

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

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

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

WETGID:    0326100001          03  26  100  001
WTGRP_SIZ: 26
```

EDIT TABLE

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

20JNHOTMAP01

```
OAPEL:  20JNHOTMAP01            ALIAS:  20JNHOTMAP01
EXT:    A                       PSID:   DD
SCLK1:  04979033:51:0           SCLK2:  04979040:50:0
SCET1:    99-123/11:12:17.466   SCET2:    99-123/11:19:20.800
TARGET: JUPITER                 PARTITION: 1

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

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

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

WETGID:    0326100001          03  26  100  001
WTGRP_SIZ: 26
```

EDIT TABLE

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

20JNGRWAKE02

OAPEL: 20JNGRWAKE02 ALIAS: 20JNGRWAKE02
EXT: A PSID: DE
SCLK1: 04979047:51:0 SCLK2: 04979054:55:0
SCET1: 99-123/11:26:26.133 SCET2: 99-123/11:33:33.466
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 140 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: 0326140001 03 26 140 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	11D80	1,0001,1101,1000,0000
1	11D80	1,0001,1101,1000,0000
2	11D80	1,0001,1101,1000,0000
3	11D80	1,0001,1101,1000,0000
4	11D80	1,0001,1101,1000,0000
5	11D81	1,0001,1101,1000,0001
6	11D80	1,0001,1101,1000,0000
7	19D80	1,1001,1101,1000,0000
8	1AD80	1,1010,1101,1000,0000
9	1AD80	1,1010,1101,1000,0000
10	0AD80	0,1010,1101,1000,0000
11	0AD80	0,1010,1101,1000,0000
12	0AD80	0,1010,1101,1000,0000
13	0AD80	0,1010,1101,1000,0000
14	0A980	0,1010,1001,1000,0000
15	0A980	0,1010,1001,1000,0000
16	1A980	1,1010,1001,1000,0000
17	1A980	1,1010,1001,1000,0000
18	1A900	1,1010,1001,0000,0000
19	1A900	1,1010,1001,0000,0000
20	12980	1,0010,1001,1000,0000
21	12980	1,0010,1001,1000,0000
22	12980	1,0010,1001,1000,0000
23	12980	1,0010,1001,1000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

20JNGRWAKE03

OAPEL: 20JNGRWAKE03 ALIAS: 20JNGRWAKE03
EXT: A PSID: DF
SCLK1: 04979082:00:0 SCLK2: 04979091:54:0
SCET1: 99-123/12:01:15.466 SCET2: 99-123/12:10:58.133
TARGET: JUPITER PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 140 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: 0326140001 03 26 140 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	11D80	1,0001,1101,1000,0000
1	11D80	1,0001,1101,1000,0000
2	11D80	1,0001,1101,1000,0000
3	11D80	1,0001,1101,1000,0000
4	11D80	1,0001,1101,1000,0000
5	11D81	1,0001,1101,1000,0001
6	11D80	1,0001,1101,1000,0000
7	19D80	1,1001,1101,1000,0000
8	1AD80	1,1010,1101,1000,0000
9	1AD80	1,1010,1101,1000,0000
10	0AD80	0,1010,1101,1000,0000
11	0AD80	0,1010,1101,1000,0000
12	0AD80	0,1010,1101,1000,0000
13	0AD80	0,1010,1101,1000,0000
14	0A980	0,1010,1001,1000,0000
15	0A980	0,1010,1001,1000,0000
16	1A980	1,1010,1001,1000,0000
17	1A980	1,1010,1001,1000,0000
18	1A900	1,1010,1001,0000,0000
19	1A900	1,1010,1001,0000,0000
20	12980	1,0010,1001,1000,0000
21	12980	1,0010,1001,1000,0000
22	12980	1,0010,1001,1000,0000
23	12980	1,0010,1001,1000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

20JNHOTMAP02

```
OAPEL:  20JNHOTMAP02            ALIAS:  20JNHOTMAP02
EXT:    A                       PSID:   DG
SCLK1:  04979127:52:0           SCLK2:  04979134:50:0
SCET1:    99-123/12:47:20.133   SCET2:    99-123/12:54:23.466
TARGET: JUPITER                 PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  140                  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:    0326140001          03  26  140  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	11D80	1,0001,1101,1000,0000
1	11D80	1,0001,1101,1000,0000
2	11D80	1,0001,1101,1000,0000
3	11D80	1,0001,1101,1000,0000
4	11D80	1,0001,1101,1000,0000
5	11D81	1,0001,1101,1000,0001
6	11D80	1,0001,1101,1000,0000
7	19D80	1,1001,1101,1000,0000
8	1AD80	1,1010,1101,1000,0000
9	1AD80	1,1010,1101,1000,0000
10	0AD80	0,1010,1101,1000,0000
11	0AD80	0,1010,1101,1000,0000
12	0AD80	0,1010,1101,1000,0000
13	0AD80	0,1010,1101,1000,0000
14	0A980	0,1010,1001,1000,0000
15	0A980	0,1010,1001,1000,0000
16	1A980	1,1010,1001,1000,0000
17	1A980	1,1010,1001,1000,0000
18	1A900	1,1010,1001,0000,0000
19	1A900	1,1010,1001,0000,0000
20	12980	1,0010,1001,1000,0000
21	12980	1,0010,1001,1000,0000
22	12980	1,0010,1001,1000,0000
23	12980	1,0010,1001,1000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

20JNJUPRTS03

OAPEL: 20JNJUPRTS03 ALIAS: 20JNJUPRTS03
EXT: R PSID: UD
SCLK1: 04979739:00:0 SCLK2: 04979748:12:0
SCET1: 1999-123/23:05:33.466 SCET2: 1999-123/23:14:47.466
TARGET: JUPITER PARTITION: 1

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

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

20CNCATMOS01

OAPEL: 20CNCATMOS01 ALIAS: 20CNCATMOS01
EXT: A PSID: DL
SCLK1: 04982075:00:0 SCLK2: 04982084:73:0
SCET1: 99-125/14:27:30.666 SCET2: 99-125/14:37:26.000
TARGET: CALLISTO PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 228 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: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	03DFF	0,0011,1101,1111,1111
1	021CA	0,0010,0001,1100,1010
2	03DFF	0,0011,1101,1111,1111
3	021CA	0,0010,0001,1100,1010
4	03DFF	0,0011,1101,1111,1111
5	021CA	0,0010,0001,1100,1010
6	03DFF	0,0011,1101,1111,1111
7	021CA	0,0010,0001,1100,1010
8	03DFF	0,0011,1101,1111,1111
9	021CA	0,0010,0001,1100,1010
10	03DFF	0,0011,1101,1111,1111
11	021CA	0,0010,0001,1100,1010
12	03DFF	0,0011,1101,1111,1111
13	021CA	0,0010,0001,1100,1010
14	03DFF	0,0011,1101,1111,1111
15	021CA	0,0010,0001,1100,1010
16	03DFF	0,0011,1101,1111,1111
17	021CA	0,0010,0001,1100,1010
18	03DFF	0,0011,1101,1111,1111
19	021CA	0,0010,0001,1100,1010
20	03DFF	0,0011,1101,1111,1111
21	021CA	0,0010,0001,1100,1010
22	03DFF	0,0011,1101,1111,1111
23	021CA	0,0010,0001,1100,1010
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

20CNFEATRE01

```
OAPEL:  20CNFEATRE01            ALIAS:  20CNFEATRE01
EXT:    A                       PSID:   DK
SCLK1:  04982086:00:0           SCLK2:  04982090:38:0
SCET1:    99-125/14:38:38.000   SCET2:    99-125/14:43:06.666
TARGET: CALLISTO                PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  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	03018	0,0011,0000,0001,1000
1	1BDFF	1,1011,1101,1111,1111
2	03018	0,0011,0000,0001,1000
3	1BDFF	1,1011,1101,1111,1111
4	03018	0,0011,0000,0001,1000
5	1BDFF	1,1011,1101,1111,1111
6	03018	0,0011,0000,0001,1000
7	1BDFF	1,1011,1101,1111,1111
8	03018	0,0011,0000,0001,1000
9	1BDFF	1,1011,1101,1111,1111
10	03018	0,0011,0000,0001,1000
11	1BDFF	1,1011,1101,1111,1111
12	03018	0,0011,0000,0001,1000
13	1BDFF	1,1011,1101,1111,1111
14	03018	0,0011,0000,0001,1000
15	1BDFF	1,1011,1101,1111,1111
16	03018	0,0011,0000,0001,1000
17	1BDFF	1,1011,1101,1111,1111
18	03018	0,0011,0000,0001,1000
19	1BDFF	1,1011,1101,1111,1111
20	03018	0,0011,0000,0001,1000
21	1BDFF	1,1011,1101,1111,1111
22	03018	0,0011,0000,0001,1000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

20CNFEATRE01

```
OAPEL:  20CNFEATRE01            ALIAS:  20CNFEATRE01
EXT:    B                       PSID:   DK
SCLK1:  04982086:00:0           SCLK2:  04982090:38:0
SCET1:    99-125/14:38:38.000   SCET2:    99-125/14:43:06.666
TARGET: CALLISTO                PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  132                  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:    0326132001          03  26  132  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18DE7	1,1000,1101,1110,0111
1	00000	0,0000,0000,0000,0000
2	18DE7	1,1000,1101,1110,0111
3	00000	0,0000,0000,0000,0000
4	18DE7	1,1000,1101,1110,0111
5	00000	0,0000,0000,0000,0000
6	18DE7	1,1000,1101,1110,0111
7	00000	0,0000,0000,0000,0000
8	18DE7	1,1000,1101,1110,0111
9	00000	0,0000,0000,0000,0000
10	18DE7	1,1000,1101,1110,0111
11	00000	0,0000,0000,0000,0000
12	18DE7	1,1000,1101,1110,0111
13	00000	0,0000,0000,0000,0000
14	18DE7	1,1000,1101,1110,0111
15	00000	0,0000,0000,0000,0000
16	18DE7	1,1000,1101,1110,0111
17	00000	0,0000,0000,0000,0000
18	18DE7	1,1000,1101,1110,0111
19	00000	0,0000,0000,0000,0000
20	18DE7	1,1000,1101,1110,0111
21	00000	0,0000,0000,0000,0000
22	18DE7	1,1000,1101,1110,0111
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

20CNFEATRE01

```
OAPEL:  20CNFEATRE01            ALIAS:  20CNFEATRE01
EXT:    C                       PSID:   DK
SCLK1:  04982090:51:0           SCLK2:  04982095:03:0
SCET1:    99-125/14:43:15.333   SCET2:    99-125/14:47:46.000
TARGET: CALLISTO                PARTITION: 1

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

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

20CNFEATRE02

```
OAPEL:  20CNFEATRE02            ALIAS:  20CNFEATRE02
EXT:    A                       PSID:   DM
SCLK1:  04982106:00:0           SCLK2:  04982123:86:0
SCET1:    99-125/14:58:51.333   SCET2:    99-125/15:17:00.000
TARGET: CALLISTO                PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  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	03018	0,0011,0000,0001,1000
1	1BDFF	1,1011,1101,1111,1111
2	03018	0,0011,0000,0001,1000
3	1BDFF	1,1011,1101,1111,1111
4	03018	0,0011,0000,0001,1000
5	1BDFF	1,1011,1101,1111,1111
6	03018	0,0011,0000,0001,1000
7	1BDFF	1,1011,1101,1111,1111
8	03018	0,0011,0000,0001,1000
9	1BDFF	1,1011,1101,1111,1111
10	03018	0,0011,0000,0001,1000
11	1BDFF	1,1011,1101,1111,1111
12	03018	0,0011,0000,0001,1000
13	1BDFF	1,1011,1101,1111,1111
14	03018	0,0011,0000,0001,1000
15	1BDFF	1,1011,1101,1111,1111
16	03018	0,0011,0000,0001,1000
17	1BDFF	1,1011,1101,1111,1111
18	03018	0,0011,0000,0001,1000
19	1BDFF	1,1011,1101,1111,1111
20	03018	0,0011,0000,0001,1000
21	1BDFF	1,1011,1101,1111,1111
22	03018	0,0011,0000,0001,1000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

20CNFEATRE03

```
OAPEL:  20CNFEATRE03            ALIAS:  20CNFEATRE03
EXT:    A                       PSID:   DN
SCLK1:  04982140:00:0           SCLK2:  04982149:75:0
SCET1:    99-125/15:33:14.000   SCET2:    99-125/15:43:10.666
TARGET: CALLISTO                PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  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	03018	0,0011,0000,0001,1000
1	1BDFF	1,1011,1101,1111,1111
2	03018	0,0011,0000,0001,1000
3	1BDFF	1,1011,1101,1111,1111
4	03018	0,0011,0000,0001,1000
5	1BDFF	1,1011,1101,1111,1111
6	03018	0,0011,0000,0001,1000
7	1BDFF	1,1011,1101,1111,1111
8	03018	0,0011,0000,0001,1000
9	1BDFF	1,1011,1101,1111,1111
10	03018	0,0011,0000,0001,1000
11	1BDFF	1,1011,1101,1111,1111
12	03018	0,0011,0000,0001,1000
13	1BDFF	1,1011,1101,1111,1111
14	03018	0,0011,0000,0001,1000
15	1BDFF	1,1011,1101,1111,1111
16	03018	0,0011,0000,0001,1000
17	1BDFF	1,1011,1101,1111,1111
18	03018	0,0011,0000,0001,1000
19	1BDFF	1,1011,1101,1111,1111
20	03018	0,0011,0000,0001,1000
21	1BDFF	1,1011,1101,1111,1111
22	03018	0,0011,0000,0001,1000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

20CNBRANCR01

OAPEL: 20CNBRANCR01 ALIAS: 20CNBRANCR01
EXT: A PSID: DP
SCLK1: 04982173:00:0 SCLK2: 04982185:27:0
SCET1: 99-125/16:06:36.000 SCET2: 99-125/16:19:02.666
TARGET: CALLISTO PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 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	03018	0,0011,0000,0001,1000
1	1BDFF	1,1011,1101,1111,1111
2	03018	0,0011,0000,0001,1000
3	1BDFF	1,1011,1101,1111,1111
4	03018	0,0011,0000,0001,1000
5	1BDFF	1,1011,1101,1111,1111
6	03018	0,0011,0000,0001,1000
7	1BDFF	1,1011,1101,1111,1111
8	03018	0,0011,0000,0001,1000
9	1BDFF	1,1011,1101,1111,1111
10	03018	0,0011,0000,0001,1000
11	1BDFF	1,1011,1101,1111,1111
12	03018	0,0011,0000,0001,1000
13	1BDFF	1,1011,1101,1111,1111
14	03018	0,0011,0000,0001,1000
15	1BDFF	1,1011,1101,1111,1111
16	03018	0,0011,0000,0001,1000
17	1BDFF	1,1011,1101,1111,1111
18	03018	0,0011,0000,0001,1000
19	1BDFF	1,1011,1101,1111,1111
20	03018	0,0011,0000,0001,1000
21	1BDFF	1,1011,1101,1111,1111
22	03018	0,0011,0000,0001,1000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

20CNGLOBAL01

```
OAPEL:  20CNGLOBAL01            ALIAS:  20CNGLOBAL01
EXT:    A                       PSID:   DO
SCLK1:  04982398:00:0           SCLK2:  04982424:85:0
SCET1:    99-125/19:54:06.000   SCET2:    99-125/20:21:20.000
TARGET: CALLISTO                PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  228                  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:    0326228001          03  26  228  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	03018	0,0011,0000,0001,1000
1	1BDFF	1,1011,1101,1111,1111
2	03018	0,0011,0000,0001,1000
3	1BDFF	1,1011,1101,1111,1111
4	03018	0,0011,0000,0001,1000
5	1BDFF	1,1011,1101,1111,1111
6	03018	0,0011,0000,0001,1000
7	1BDFF	1,1011,1101,1111,1111
8	03018	0,0011,0000,0001,1000
9	1BDFF	1,1011,1101,1111,1111
10	03018	0,0011,0000,0001,1000
11	1BDFF	1,1011,1101,1111,1111
12	03018	0,0011,0000,0001,1000
13	1BDFF	1,1011,1101,1111,1111
14	03018	0,0011,0000,0001,1000
15	1BDFF	1,1011,1101,1111,1111
16	03018	0,0011,0000,0001,1000
17	1BDFF	1,1011,1101,1111,1111
18	03018	0,0011,0000,0001,1000
19	1BDFF	1,1011,1101,1111,1111
20	03018	0,0011,0000,0001,1000
21	1BDFF	1,1011,1101,1111,1111
22	03018	0,0011,0000,0001,1000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

20NNOPCAL_03

```
OAPEL:  20NNOPCAL_03            ALIAS:  20CNGLOBAL01
EXT:    A                       PSID:   DO
SCLK1:  04982425:00:0           SCLK2:  04982425:74:0
SCET1:    99-125/20:21:24.000   SCET2:    99-125/20:22:13.333
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:       0                    RECORD:    1

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

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

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

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	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

20NNPCTRLT01

OAPEL: 20NNPCTRLT01 ALIAS: LSNNPCTRLT01
EXT: R PSID: FB
SCLK1: 05001214:00:0 SCLK2: 05001215:12:0
SCET1: 1999-139/00:59:09.333 SCET2: 1999-139/01:00:18.000
TARGET: CAL PARTITION: 1

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

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

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

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

20NNPCTRLT01

```
OAPEL:  20NNPCTRLT01            ALIAS:  LSNNPCTRLT01
EXT:    S                       PSID:   FB
SCLK1:  05001220:00:0           SCLK2:  05001229:12:0
SCET1:  1999-139/01:05:13.333   SCET2:  1999-139/01:14:27.333
TARGET: CAL                     PARTITION: 1

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

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

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

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

EDIT TABLE

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

20NNRCTRLT01

OAPEL: 20NNRCTRLT01 ALIAS: LSNNRCTRTA01
EXT: R PSID: XU
SCLK1: 05028249:00:0 SCLK2: 05028249:12:0
SCET1: 1999-158/00:34:31.733 SCET2: 1999-158/00:34:39.733
TARGET: CAL PARTITION: 1

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

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

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

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

20NNRCTRLT01

OAPEL: 20NNRCTRLT01 ALIAS: LSNNRCTRTA01
EXT: S PSID: XU
SCLK1: 05028255:00:0 SCLK2: 05028256:12:0
SCET1: 1999-158/00:40:35.733 SCET2: 1999-158/00:41:44.400
TARGET: CAL PARTITION: 1

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

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

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

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

20NNRCTRLT01

```
OAPEL:  20NNRCTRLT01            ALIAS:  LSNNRCTRTA01
EXT:    T                       PSID:   XU
SCLK1:  05028261:00:0           SCLK2:  05028261:12:0
SCET1:  1999-158/00:46:39.733   SCET2:  1999-158/00:46:47.733
TARGET: CAL                     PARTITION: 1

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

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

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

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

EDIT TABLE

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

20NNOPCAL_01

```
OAPEL:  20NNOPCAL_01            ALIAS:  LSNNOPCAL_01
EXT:    R                       PSID:   DC
SCLK1:  05028265:00:0           SCLK2:  05028267:12:0
SCET1:  1999-158/00:50:42.400   SCET2:  1999-158/00:52:51.733
TARGET: CAL                     PARTITION: 1

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

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

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

WETGID:    0302048000          03  02  048  000
WTGRP_SIZ:  2
```

EDIT TABLE

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

NIMS C20 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS C20 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)

	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 37MPT, unless special sequence (modes 12-15) in which case values come from 37SS parameters <tbd>
	PTAB_B(6)	12	89 - 100	.Second PTAB |...grating start, grating delta... . |...number of grating positions)	
	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 position blocking, down scan)	SEF: 37MB data byte 1, bits 4-8 <tbd>
#	RTISELUP	5	112 - 116	.RTI select, 5 binary bits (for mirror position blocking, up scan)	SEF: 37MB data byte 2, bits 4-8 <tbd>
	<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 ).
-------------------------------------------------------------------------------------------------------------------------------
```

```
-----------------------------------------------------------------------------------------------------------------------
20INHRSPEC0120INHRSPEC01ADA04978128:00:004978130:90:01         IO       3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        228LPU  99-122/19:56:39.466  99-122/19:59:41.466
          000000000000000000000000000000000000000000000000000032622800126011A100011BDFF011A100011BDFF011A100011BDFF011A100011BD
FF011A100011BDFF011A100011BDFF011A100011BDFF011A100011BDFF011A100011BDFF011A100011BDFF011A100011BDFF01000000100000
20ENECLPSE0120ENECLPSE01ADB04978443:00:004978445:90:01         EUROPA   3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360MPW  99-123/01:15:09.466  99-123/01:18:10.800
          000000000000000000000000000000000000000000000000000032636000126011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
20NNOPCAL_0220ENECLPSE01ADB04978446:00:004978446:87:01         CAL      3414 1 1 0 0 124 1 1 0 0 12401010 0000000000 1 2.00.3000
0065525        1         48MPW  99-123/01:18:11.466  99-123/01:19:09.466
          000000000000000000000000000000000000000000000000000032604800126011800001180000118000011800001180000118000011800001180
0001180000118000011800001180000118000011800001180000118000011800001180000118000011800001180000118000011800001180000100000100000
20JNJUPRTS0120JNJUPRTS01RDH04978642:00:004978651:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 1 2.00.3000
0000000                408RT 1999-123/04:36:22.1331999-123/04:45:36.133
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

20JNJUPRTS0220JNJUPRTS02RDI04978762:00:004978771:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1001111001 1 2.00.3000
0000000                204RT 1999-123/06:37:42.1331999-123/06:46:56.133
          000000000000000000000000000000000000000000000000000303204000 312000FF12001FF0200000

20JNGRWAKE0120JNGRWAKE01ADC04978968:22:004978975:55:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        100LPU  99-123/10:06:14.800  99-123/10:13:40.800
          000000000000000000000000000000000000000000000000000032610000126010000F010000F010000F010000F010000F010000F010000F01000
0F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010001F010001F010001F010001F01000000100000
20JNHOTMAP0120JNHOTMAP01ADD04979033:51:004979040:50:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        100LPU  99-123/11:12:17.466  99-123/11:19:20.800
          000000000000000000000000000000000000000000000000000032610000126010000F010000F010000F010000F010000F010000F010000F01000
0F010000F010000F010000F010000F010000F010000F010000F010000F010000F010000F010001F010001F010001F010001F01000000100000
20JNGRWAKE0220JNGRWAKE02ADE04979047:51:004979054:55:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        140LPU  99-123/11:26:26.133  99-123/11:33:33.466
          000000000000000000000000000000000000000000000000000032614000126011 1D800111D800111D800111D800111D800111D810111D800119D
80011AD80011AD80010AD80010AD80010AD80010AD80010A980010A980011A980011A980011A900011A900011298001129800112980011298001000000100000
20JNGRWAKE0320JNGRWAKE03ADF04979082:00:004979091:54:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        140LPU  99-123/12:01:15.466  99-123/12:10:58.133
          000000000000000000000000000000000000000000000000000032614000126011 1D800111D800111D800111D800111D800111D810111D800119D
80011AD80011AD80010AD80010AD80010AD80010AD80010A980010A980011A980011A980011A900011A900011298001129800112980011298001000000100000
20JNHOTMAP0220JNHOTMAP02ADG04979127:52:004979134:50:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        140LPU  99-123/12:47:20.133  99-123/12:54:23.466
          000000000000000000000000000000000000000000000000000032614000126011 1D800111D800111D800111D800111D800111D810111D800119D
80011AD80011AD80010AD80010AD80010AD80010AD80010A980010A980011A980011A980011A900011A900011298001129800112980011298001000000100000
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20JNJUPRTS0320JNJUPRTS03RUD04979739:00:004979748:12:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 1 2.00.3000
0000000                 408RT 1999-123/23:05:33.4661999-123/23:14:47.466
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

20CNCATMOS0120CNCATMOS01ADL04982075:00:004982084:73:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        228LPU  99-125/14:27:30.666  99-125/14:37:26.000
          000000000000000000000000000000000000000000000000000032622800126010 3DFF01021CA0103DFF01021CA0103DFF01021CA0103DFF01021
CA0103DFF01021CA0103DFF01021CA0103DFF01021CA0103DFF01021CA0103DFF01021CA0103DFF01021CA01000000100000
20CNFEATRE0120CNFEATRE01ADK04982086:00:004982090:38:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        228MPW  99-125/14:38:38.000  99-125/14:43:06.666
          000000000000000000000000000000000000000000000000000032622800126010 3018011BDFF0103018011BDFF0103018011BDFF0103018011BD
FF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF01000000100000
20CNFEATRE0120CNFEATRE01BDK04982086:00:004982090:38:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        132MPW  99-125/14:38:38.000  99-125/14:43:06.666
          000000000000000000000000000000000000000000000000000032613200126011 8DE701000000118DE701000000118DE701000000118DE701000
000118DE701000000118DE701000000118DE701000000118DE701000000118DE701000000118DE701000000118DE701000000118DE701000000100000100000
20CNFEATRE0120CNFEATRE01CDK04982090:51:004982095:03:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        360MPW  99-125/14:43:15.333  99-125/14:47:46.000
          000000000000000000000000000000000000000000000000000032636000126011 BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
20CNFEATRE0220CNFEATRE02ADM04982106:00:004982123:86:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        228MPW  99-125/14:58:51.333  99-125/15:17:00.000
          000000000000000000000000000000000000000000000000000032622800126010 3018011BDFF0103018011BDFF0103018011BDFF0103018011BD
FF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF01000000100000
20CNFEATRE0320CNFEATRE03ADN04982140:00:004982149:75:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        228MPW  99-125/15:33:14.000  99-125/15:43:10.666
          000000000000000000000000000000000000000000000000000032622800126010 3018011BDFF0103018011BDFF0103018011BDFF0103018011BD
FF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF01000000100000
20CNBRANCR0120CNBRANCR01ADP04982173:00:004982185:27:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        228MPW  99-125/16:06:36.000  99-125/16:19:02.666
          000000000000000000000000000000000000000000000000000032622800126010 3018011BDFF0103018011BDFF0103018011BDFF0103018011BD
FF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF01000000100000
20CNGLOBAL0120CNGLOBAL01ADO04982398:00:004982424:85:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        1        228LPU  99-125/19:54:06.000  99-125/20:21:20.000
          000000000000000000000000000000000000000000000000000032622800126010 3018011BDFF0103018011BDFF0103018011BDFF0103018011BD
FF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF0103018011BDFF01000000100000
20NNOPCAL_0320CNGLOBAL01ADO04982425:00:004982425:74:01         CAL      3414 1 1 0 0 124 1 1 0 0 12401010 0000000000 1 2.00.3000
0065525        1         48LPU  99-125/20:21:24.000  99-125/20:22:13.333
          000000000000000000000000000000000000000000000000000032604800126011 8000011800001180000118000011800001180000118000011800
0001180000118000011800001180000118000011800001180000118000011800001180000118000011800001180000118000011800001180000118000010000001000000
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20NNPCTRLT01LSNNPCTRLT01RFB05001214:00:005001215:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 1 2.00.3000
0000000                 252RT 1999-139/00:59:09.3331999-139/01:00:18.000
          00000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

20NNPCTRLT01LSNNPCTRLT01SFB05001220:00:005001229:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 1 2.00.3000
0000000                 252RT 1999-139/01:05:13.3331999-139/01:14:27.333
          00000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

20NNRCTRLT01LSNNRCTRTA01RXU05028249:00:005028249:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 1 2.00.3000
0000000                 252RT 1999-158/00:34:31.7331999-158/00:34:39.733
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

20NNRCTRLT01LSNNRCTRTA01SXU05028255:00:005028256:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 1 2.00.3000
0000000                 252RT 1999-158/00:40:35.7331999-158/00:41:44.400
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

20NNRCTRLT01LSNNRCTRTA01TXU05028261:00:005028261:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 1 2.00.3000
0000000                 252RT 1999-158/00:46:39.7331999-158/00:46:47.733
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

20NNOPCAL_01LSNNOPCAL_01RDC05028265:00:005028267:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12401100 1101111011 1 2.00.3000
0000000                 048RT 1999-158/00:50:42.4001999-158/00:52:51.733
          00000000000000000000000000000000000000000000000000302048000 224180000200000

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