Chapter 4 - NIMS Observation Summaries

Contents

Introduction to Chapter 4

This chapter summarizes the NIMS I31 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 I31 Sequence. The information in this summary is derived from the I31 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 I31 data. It is also derived from the I31 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

Sequence: I31A-AR Created: 10/11/01 Begin: 01-216/11:00:00 Finish: 01-221/21:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	1	216	11:00:00.000	20A3EW	37A	Initial Condition	NIMS Power ON	1O0	4	0	6,152,542:85:7
2	1	216	11:00:00.000	20A3EX	37HR	Initial Condition	Replacement Heaters OFF	1O0	4	0	6,152,542:85:7
3	1	216	11:00:00.000	20A3EY	37C1PR	Initial Condition	Optics Heater 1 OFF (primary relay)	1O0	4	0	6,152,542:85:7
4	1	216	11:00:00.000	20A3FB	37F2PR	Initial Condition	Shield Flash Heater OFF (primary relay)	1O0	4	0	6,152,542:85:7
5	1	216	11:00:00.000	20A3FE	40T1PR	Initial Condition	PCT Heater 1 OFF (primary relay)	1O0	4	0	6,152,542:85:7
6	1	216	11:00:00.000	20A3FD	40HRPR	Initial Condition	RCT Heater OFF (primary relay)	1O0	4	0	6,152,542:85:7
7	1	216	11:00:00.000	20A3FF	40T2R	Initial Condition	PCT Heater 2 OFF	1O0	4	0	6,152,542:85:7
8	1	216	11:00:00.000	20A3EZ	37C2PR	Initial Condition	Optics Heater 2 OFF (primary relay)	1O0	4	0	6,152,542:85:7
9	1	216	11:00:00.000	20A3FA	37F1PR	Initial Condition	Radiator Flash Heater OFF (primary relay)	1O0	4	0	6,152,542:85:7
10	1	216	11:00:00.200		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,152,542:86:0
11	1	216	11:01:02.866	432JA6B	6RTDS2	NIMDSL,AACDSL,RT	NIMS R/T DESELECTAACS DESELECT	1O0	4	0	6,152,543:89:0
12	1	216	11:01:48.200	488AA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,152,544:66:0
13	1	216	11:27:24.200	488AA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,152,570:04:0
14	1	216	11:40:40.200	488AA6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,152,583:15:0
15	1	216	12:14:19.533	488AA6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,152,616:41:0
16	1	216	14:35:25.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,152,756:00:0
17	1	216	14:35:25.533		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,152,756:00:0
18	1	216	14:35:25.533		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,152,756:00:0
19	1	216	14:35:25.533	465KA6A	6DMST	472	DMS Slew to TIC	1O0	4	0	6,152,756:00:0
20	1	216	14:35:32.200		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,152,756:10:0
21	1	216	14:35:33.600		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	1O0	4	0	6,152,756:12:1
22	1	216	14:54:35.000		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC * 469.94 +/-	1O0	4	0	6,152,774:86:2
23	1	216	14:54:36.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 470.00 +/-	1O0	4	0	6,152,774:88:0
24	1	216	15:01:42.866	192GH4A	7CONE	9.0,0.0	Check S/P Position	1O0	4	0	6,152,782:00:0
25	1	216	15:05:45.533		DMS:	: READY	RDY, TRACK *2, *REV, TIC 470.00 +/-	1O0	4	0	6,152,786:00:0
26	1	216	15:05:45.533	465KB6A	6DMSC	RDY,2	DMS Control Tape stop	1O0	4	0	6,152,786:00:0
27	1	216	15:08:47.533	176GH6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	1O0	4	0	6,152,789:00:0
28	1	216	15:11:02.200	176GH6B	6TMREC	NRC	NO RECORD Record Mode Change	1O0	4	0	6,152,791:20:0
29	1	216	15:11:04.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,152,791:23:0
30	1	216	15:11:04.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 470.00 +/-	1O0	4	0	6,152,791:23:0
31	1	216	15:11:05.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 470.12 +/-	1O0	4	0	6,152,791:25:1
32	1	216	15:11:10.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 471.35 +/-	1O0	4	0	6,152,791:33:0
33	1	216	15:11:12.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 471.41 +/-	1O0	4	0	6,152,791:34:8
34	1	216	15:11:13.466		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC * 471.29 +/-	1O0	4	0	6,152,791:36:9
35	1	216	15:11:14.200		DMS:	: *RECORD	R7, TRACK 2, REV, TIC * 471.12 +/-	1O0	4	0	6,152,791:38:0
36	1	216	15:11:25.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,152,791:55:0
37	1	216	15:11:25.533		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC * 468.47 +/-	1O0	4	0	6,152,791:55:0
38	1	216	15:11:26.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 468.41 +/-	1O0	4	0	6,152,791:56:8
39	1	216	15:13:50.866	192GH4B	7CONE	9.0,90.0	Check S/P Position	1O0	4	0	6,152,794:00:0
40	1	216	15:19:54.200	165GK4A	7SCAN	NORM,312.306999,	Check S/P Position	1O0	4	0	6,152,799:90:0
41	1	216	15:22:56.866	176GK6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	1O0	4	0	6,152,803:00:0
42	1	216	15:23:48.200	117GK	CSMOS	GS	***** GROUP START CSMOS	1O0	4	0	6,152,803:77:0
43	1	216	15:23:57.533	117GK105A106A4A	7STRP	0.002,-0.015003,	Slew =,0.48	1O0	4	0	6,152,804:00:0
44	1	216	15:25:00.200	117GK105A106A4B	7STRP	0.0017,0.015003,	Slew =12.01	1O0	4	0	6,152,805:03:0
45	1	216	15:25:16.866	117GK105A106A4C	7STRP	0.002,-0.015003,	Slew =,0.48	1O0	4	0	6,152,805:28:0
46	1	216	15:26:19.533	117GK105A106A4D	7STRP	0.0017,0.015003,	Slew =12.01	1O0	4	0	6,152,806:31:0
47	1	216	15:26:36.200	117GK105A106A4E	7STRP	0.002,-0.015003,	Slew =,0.48	1O0	4	0	6,152,806:56:0
48	1	216	15:27:38.866	117GK105A106A4F	7STRP	0.0017,0.015003,	Slew =12.01	1O0	4	0	6,152,807:59:0
49	1	216	15:27:55.533	117GK105A106A4G	7STRP	0.002,-0.015003,	Slew =,0.48	1O0	4	0	6,152,807:84:0
50	1	216	15:28:58.200	117GK11A	CSMOS	GE	***** GROUP END CSMOS	1O0	4	0	6,152,808:87:0
51	1	216	15:30:31.533	176GK6B	6TMREC	NRC	NO RECORD Record Mode Change	1O0	4	0	6,152,810:45:0
52	1	216	15:30:33.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,152,810:48:0
53	1	216	15:30:33.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 468.41 +/-	1O0	4	0	6,152,810:48:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
54	1	216	15:30:34.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 468.53 +/-	1O0	4	0	6,152,810:50:1
55	1	216	15:30:40.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 469.76 +/-	1O0	4	0	6,152,810:58:0
56	1	216	15:30:41.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 469.82 +/-	1O0	4	0	6,152,810:59:8
57	1	216	15:30:42.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC * 469.70 +/-	1O0	4	0	6,152,810:61:9
58	1	216	15:30:43.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 469.53 +/-	1O0	4	0	6,152,810:63:0
59	1	216	15:30:58.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,152,810:85:0
60	1	216	15:30:58.200		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 466.09 +/-	1O0	4	0	6,152,810:85:0
61	1	216	15:30:59.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 466.03 +/-	1O0	4	0	6,152,810:86:8
62	1	216	15:32:06.866	20UO4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,152,812:06:0
63	1	216	15:57:14.200	488AA6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,152,836:83:0
64	1	216	16:04:44.200	488AB6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,152,844:30:0
65	1	216	19:06:42.866	488AB6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,153,024:28:0
66	1	216	19:27:24.200	488AB6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,153,044:70:0
67	1	216	19:30:00.200	20TO4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,153,047:31:0
68	1	216	19:30:50.200	20TO4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,153,048:15:0
69	1	216	19:30:56.200	20TO4E	7STAR	1,1307,23.9660,-	Star catalog update	1O0	4	0	6,153,048:24:0
70	1	216	19:30:58.200	20TO4F	7STAR	2,9000,2.664,14.	Star catalog update	1O0	4	0	6,153,048:27:0
71	1	216	19:31:00.200	20TO4G	7STAR	3,1307,23.9660,-	Star catalog update	1O0	4	0	6,153,048:30:0
72	1	216	19:31:02.200	20TO4H	7STAR	4,9000,2.664,14.	Star catalog update	1O0	4	0	6,153,048:33:0
73	1	216	19:31:04.200	20TO4I	7STAR	5,1307,23.9660,-	Star catalog update	1O0	4	0	6,153,048:36:0
74	1	216	19:31:06.200	20TO4J	7STAR	6,9000,2.664,14.	Star catalog update	1O0	4	0	6,153,048:39:0
75	1	216	20:33:33.533	488AB6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,153,110:18:0
76	1	216	21:00:00.200	481UA4A	7VECT		Inert vect update UTC	1O0	4	0	6,153,136:32:0
77	1	216	21:10:37.533	488AB6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,153,146:78:0
78	1	216	21:46:04.200	488AC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,153,181:83:0
79	1	216	22:41:55.533	20IR6A	6MCOPY	HLM1A,E415,B1A1A	HLM1A,E415,B1A1A,5000,506	1O0	4	0	6,153,237:14:0
80	1	216	22:52:22.200	165IN4A	7SCAN	NORM,217.953999,	Check S/P Position	1O0	4	0	6,153,247:44:0
81	1	216	22:56:17.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 466.03 +/-	1O0	4	0	6,153,251:33:0
82	1	216	22:56:17.533	175IN422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	1O0	4	0	6,153,251:33:0
83	1	216	22:56:18.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 466.15 +/-	1O0	4	0	6,153,251:35:1
84	1	216	22:56:24.200	165IN4B	7VECT		Inert vect update UTC	1O0	4	0	6,153,251:43:0
85	1	216	22:56:24.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 467.39 +/-	1O0	4	0	6,153,251:43:0
86	1	216	22:56:25.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC * 467.45 +/-	1O0	4	0	6,153,251:44:8
87	1	216	22:56:28.866	175IN176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	1O0	4	0	6,153,251:50:0
88	1	216	22:56:29.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 461.15 +/-	1O0	4	0	6,153,251:50:8
89	1	216	22:56:29.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC * 461.15 +/-	1O0	4	0	6,153,251:50:8
90	1	216	22:56:50.866	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,153,251:83:0
91	1	216	22:56:50.866		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC * 385.68 +/-	1O0	4	0	6,153,251:83:0
92	1	216	22:56:52.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 384.68 +/-	1O0	4	0	6,153,251:84:8
93	1	216	22:58:18.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 384.68 +/-	1O0	4	0	6,153,253:33:0
94	1	216	22:58:18.866	175JL422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	1O0	4	0	6,153,253:33:0
95	1	216	22:58:20.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 384.80 +/-	1O0	4	0	6,153,253:35:1
96	1	216	22:58:25.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 386.03 +/-	1O0	4	0	6,153,253:43:0
97	1	216	22:58:26.733		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC * 386.09 +/-	1O0	4	0	6,153,253:44:8
98	1	216	22:58:30.200	175JL176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	1O0	4	0	6,153,253:50:0
99	1	216	22:58:30.733		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 379.79 +/-	1O0	4	0	6,153,253:50:8
100	1	216	22:58:30.733		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC * 379.79 +/-	1O0	4	0	6,153,253:50:8
101	1	216	22:58:52.200		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC * 304.32 +/-	1O0	4	0	6,153,253:83:0
102	1	216	22:58:52.200	175JL422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,153,253:83:0
103	1	216	22:58:53.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 303.32 +/-	1O0	4	0	6,153,253:84:8
104	1	216	23:00:20.200	175JM422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	1O0	4	0	6,153,255:33:0
105	1	216	23:00:20.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 303.32 +/-	1O0	4	0	6,153,255:33:0
106	1	216	23:00:21.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 303.44 +/-	1O0	4	0	6,153,255:35:1
107	1	216	23:00:26.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 304.68 +/-	1O0	4	0	6,153,255:43:0
108	1	216	23:00:28.066		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC * 304.74 +/-	1O0	4	0	6,153,255:44:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
109	1	216	23:00:31.533	175JM176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	1O0	4	0	6,153,255:50:0
110	1	216	23:00:32.066		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC * 298.44 +/-	1O0	4	0	6,153,255:50:8
111	1	216	23:00:32.066		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 298.44 +/-	1O0	4	0	6,153,255:50:8
112	1	216	23:00:53.533		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC * 222.97 +/-	1O0	4	0	6,153,255:83:0
113	1	216	23:00:53.533	175JM422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,153,255:83:0
114	1	216	23:00:54.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 221.97 +/-	1O0	4	0	6,153,255:84:8
115	1	216	23:02:06.866	20UP4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,153,257:11:0
116	1	216	23:24:12.200	488AC6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,153,278:88:0
117	1	217	01:53:32.200	488AC6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,153,426:60:0
118	1	217	02:15:52.866	488AC6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,153,448:69:0
119	1	217	02:29:48.200	488AC6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	6,153,462:48:0
120	1	217	03:06:04.200	488AD6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,153,498:36:0
121	1	217	03:36:09.533	20IB6A	6MCOPY	HLM1A,E415,B1A1A	HLM1A,E415,B1A1A,5000,506	1O0	4	0	6,153,528:14:0
122	1	217	03:47:06.866	165IX4A	7SCAN	NORM,2.82,2.85,1	Check S/P Position	1O0	4	0	6,153,538:90:0
123	1	217	03:49:08.866		DMS:	: READY	RDY, TRACK *3, *FWD, TIC 221.97 +/-	1O0	4	0	6,153,541:00:0
124	1	217	03:49:08.866	465KF6A	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	6,153,541:00:0
125	1	217	03:51:06.866	175IX422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	6,153,542:86:0
126	1	217	03:51:06.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 221.97 +/-	1O0	4	0	6,153,542:86:0
127	1	217	03:51:08.866	165IX4B	7VECT		Inert vect update UTC	1O0	4	0	6,153,542:89:0
128	1	217	03:51:13.533		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 221.97 +/-	1O0	4	0	6,153,543:05:0
129	1	217	03:51:16.866	175IX176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	6,153,543:10:0
130	1	217	03:51:17.533		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 228.27 +/-	1O0	4	0	6,153,543:11:0
131	1	217	03:51:17.533		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 228.27 +/-	1O0	4	0	6,153,543:11:0
132	1	217	03:52:11.533	175IX422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,153,544:01:0
133	1	217	03:52:11.533		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 418.11 +/-	1O0	4	0	6,153,544:01:0
134	1	217	03:52:12.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 419.11 +/-	1O0	4	0	6,153,544:02:8
135	1	217	03:55:06.866	20UQ4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,153,546:82:0
136	1	217	05:12:02.866	432JB431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	1O0	4	0	6,153,622:90:0
137	**1**	**217**	**05:12:03.533**	**432JB6B**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**1O0**	**4**	**0**	**6,153,623:00:0**
138	1	217	05:12:03.533	432JB6A	6RTSL1		R/T Select of DDS and	1O0	4	0	6,153,623:00:0
139	1	217	05:14:08.866	20OB6A	6HICON			1O0	4	0	6,153,625:06:0
140	1	217	07:20:27.533	165GA4A	7SCAN	NORM,220.036999,	Check S/P Position	1O0	4	0	6,153,749:90:0
141	1	217	07:23:30.200	176GA6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	1O0	4	0	6,153,753:00:0
142	1	217	07:24:21.533	117GA	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	6,153,753:77:0
143	1	217	07:24:30.866	117GA105A106A4A	7STRP	0.075141,-0.0056	Slew =,0.31	1O0	4	0	6,153,754:00:0
144	1	217	07:28:44.866	117GA105A106A4B	7STRP	-0.075443,0.0046	Slew =12.01	1O0	4	0	6,153,758:17:0
145	1	217	07:29:01.533	117GA105A106A4C	7STRP	0.075141,-0.0056	Slew =,0.31	1O0	4	0	6,153,758:42:0
146	1	217	07:33:15.533	117GA105A106A4D	7STRP	-0.075443,0.0046	Slew =12.01	1O0	4	0	6,153,762:59:0
147	1	217	07:33:32.200	117GA105A106A4E	7STRP	0.075141,-0.0056	Slew =,0.31	1O0	4	0	6,153,762:84:0
148	1	217	07:36:04.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 419.11 +/-	1O0	4	0	6,153,765:40:0
149	1	217	07:36:04.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,153,765:40:0
150	1	217	07:36:11.533		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 419.11 +/-	1O0	4	0	6,153,765:50:0
151	1	217	07:36:12.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 419.23 +/-	1O0	4	0	6,153,765:52:1
152	1	217	07:36:30.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 423.28 +/-	1O0	4	0	6,153,765:78:0
153	1	217	07:36:52.866		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 428.59 +/-	1O0	4	0	6,153,766:21:0
154	1	217	07:36:52.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,153,766:21:0
155	1	217	07:36:54.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 428.65 +/-	1O0	4	0	6,153,766:22:8
156	1	217	07:37:46.200	117GA105A106A4F	7STRP	-0.075443,0.0046	Slew =12.01	1O0	4	0	6,153,767:10:0
157	1	217	07:38:02.866	117GA105A106A4G	7STRP	0.075141,-0.0056	Slew =,0.31	1O0	4	0	6,153,767:35:0
158	1	217	07:42:16.866	117GA105A106A4H	7STRP	-0.075443,0.0046	Slew =12.01	1O0	4	0	6,153,771:52:0
159	1	217	07:42:33.533	117GA105A106A4I	7STRP	0.075141,-0.0056	Slew =,0.31	1O0	4	0	6,153,771:77:0
160	1	217	07:46:47.533	117GA105A106A4J	7STRP	-0.075443,0.0046	Slew =12.01	1O0	4	0	6,153,776:03:0
161	1	217	07:47:04.200	117GA105A106A4K	7STRP	0.075141,-0.0056	Slew =,0.31	1O0	4	0	6,153,776:28:0
162	1	217	07:49:06.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 428.65 +/-	1O0	4	0	6,153,778:30:0
163	1	217	07:49:06.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,153,778:30:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	1	217	07:49:13.533		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 428.65 +/-	1O0	4	0	6,153,778:40:0	
165	1	217	07:49:14.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 428.77 +/-	1O0	4	0	6,153,778:42:1	
166	1	217	07:49:32.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 432.82 +/-	1O0	4	0	6,153,778:68:0	
167	1	217	07:49:54.866		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 438.13 +/-	1O0	4	0	6,153,779:11:0	
168	1	217	07:49:54.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,153,779:11:0	
169	1	217	07:49:56.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 438.19 +/-	1O0	4	0	6,153,779:12:8	
170	1	217	07:51:18.200	117GA105A106A4L	7STRP	-0.075443,0.0046	Slew =12.01	1O0	4	0	6,153,780:45:0	
171	1	217	07:51:34.866	117GA105A106A4M	7STRP	0.075141,-0.0056	Slew =,0.31	1O0	4	0	6,153,780:70:0	
172	1	217	07:55:48.866	117GA105A106A4N	7STRP	-0.075443,0.0046	Slew =12.01	1O0	4	0	6,153,784:87:0	
173	1	217	07:56:05.533	117GA105A106A4O	7STRP	0.075141,-0.0056	Slew =,0.31	1O0	4	0	6,153,785:21:0	
174	1	217	08:00:19.533	117GA105A106A4P	7STRP	-0.075443,0.0046	Slew =12.01	1O0	4	0	6,153,789:38:0	
175	1	217	08:00:36.200	117GA105A106A4Q	7STRP	0.075141,-0.0056	Slew =,0.31	1O0	4	0	6,153,789:63:0	
176	1	217	08:02:08.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,153,791:20:0	
177	1	217	08:02:08.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 438.19 +/-	1O0	4	0	6,153,791:20:0	
178	1	217	08:02:15.533		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 438.19 +/-	1O0	4	0	6,153,791:30:0	
179	1	217	08:02:16.933		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 438.31 +/-	1O0	4	0	6,153,791:32:1	
180	1	217	08:02:34.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 442.36 +/-	1O0	4	0	6,153,791:58:0	
181	1	217	08:02:56.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,153,792:01:0	
182	1	217	08:02:56.866		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 447.67 +/-	1O0	4	0	6,153,792:01:0	
183	1	217	08:02:58.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 447.73 +/-	1O0	4	0	6,153,792:02:8	
184	1	217	08:04:50.200	117GA11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	6,153,793:80:0	
185	1	217	08:06:28.200	176GA6B	6TMREC	**NRC**	NO RECORD Record Mode Change	1O0	4	0	6,153,795:45:0	
186	1	217	08:06:30.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,153,795:48:0	
187	1	217	08:06:30.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 447.73 +/-	1O0	4	0	6,153,795:48:0	
188	1	217	08:06:36.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 447.73 +/-	1O0	4	0	6,153,795:58:0	
189	1	217	08:06:38.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 447.85 +/-	1O0	4	0	6,153,795:60:1	
190	1	217	08:06:40.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 448.30 +/-	1O0	4	0	6,153,795:63:0	
191	1	217	08:06:53.533		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 451.43 +/-	1O0	4	0	6,153,795:83:0	
192	1	217	08:06:53.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,153,795:83:0	
193	1	217	08:06:54.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 451.49 +/-	1O0	4	0	6,153,795:84:8	
194	1	217	08:07:58.866	165GB4A	7SCAN	NORM,222.577,-15	Check S/P Position	1O0	4	0	6,153,796:90:0	
195	1	217	08:11:01.533	176GB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	1O0	4	0	6,153,800:00:0	
196	1	217	08:11:52.866	117GB	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	6,153,800:77:0	
197	1	217	08:12:02.200	117GB105A106A4A	7STRP	0.066096,0.0,0,0	Slew =,0.31	1O0	4	0	6,153,801:00:0	
198	1	217	08:15:46.200	117GB105A106A4B	7STRP	-0.067904,-0.001	Slew =12.01	1O0	4	0	6,153,804:63:0	
199	1	217	08:16:02.200	117GB105A106A4C	7STRP	0.066096,0.0,0,0	Slew =,0.31	1O0	4	0	6,153,804:87:0	
200	1	217	08:19:46.200	117GB105A106A4D	7STRP	-0.067904,-0.001	Slew =12.01	1O0	4	0	6,153,808:59:0	
201	1	217	08:20:02.200	117GB105A106A4E	7STRP	0.066096,0.0,0,0	Slew =,0.31	1O0	4	0	6,153,808:83:0	
202	1	217	08:23:36.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 451.49 +/-	1O0	4	0	6,153,812:40:0	
203	1	217	08:23:36.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,153,812:40:0	
204	1	217	08:23:42.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 451.49 +/-	1O0	4	0	6,153,812:50:0	
205	1	217	08:23:44.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 451.61 +/-	1O0	4	0	6,153,812:52:1	
206	1	217	08:23:46.200	117GB105A106A4F	7STRP	-0.067904,-0.001	Slew =12.01	1O0	4	0	6,153,812:55:0	
207	1	217	08:24:01.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 455.65 +/-	1O0	4	0	6,153,812:78:0	
208	1	217	08:24:02.200	117GB105A106A4G	7STRP	0.066096,0.0,0,0	Slew =,0.31	1O0	4	0	6,153,812:79:0	
209	1	217	08:24:24.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 460.97 +/-	1O0	4	0	6,153,813:21:0	
210	1	217	08:24:24.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,153,813:21:0	
211	1	217	08:24:25.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 461.03 +/-	1O0	4	0	6,153,813:22:8	
212	1	217	08:27:46.200	117GB105A106A4H	7STRP	-0.067904,-0.001	Slew =12.01	1O0	4	0	6,153,816:51:0	
213	1	217	08:28:02.200	117GB105A106A4I	7STRP	0.066096,0.0,0,0	Slew =,0.31	1O0	4	0	6,153,816:75:0	
214	1	217	08:31:46.200	117GB105A106A4J	7STRP	-0.067904,-0.001	Slew =12.01	1O0	4	0	6,153,820:47:0	
215	1	217	08:32:02.200	117GB105A106A4K	7STRP	0.066096,0.0,0,0	Slew =,0.31	1O0	4	0	6,153,820:71:0	
216	1	217	08:35:46.200	117GB105A106A4L	7STRP	-0.067904,-0.001	Slew =12.01	1O0	4	0	6,153,824:43:0	
217	1	217	08:36:02.200	117GB105A106A4M	7STRP	0.066096,0.0,0,0	Slew =,0.31	1O0	4	0	6,153,824:67:0	
218	1	217	08:36:38.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,153,825:30:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	1	217	08:36:38.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 461.03 +/-	1O0	4	0	6,153,825:30:0	
220	1	217	08:36:44.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 461.03 +/-	1O0	4	0	6,153,825:40:0	
221	1	217	08:36:46.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 461.15 +/-	1O0	4	0	6,153,825:42:1	
222	1	217	08:37:03.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 465.19 +/-	1O0	4	0	6,153,825:68:0	
223	1	217	08:37:26.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 470.51 +/-	1O0	4	0	6,153,826:11:0	
224	1	217	08:37:26.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,153,826:11:0	
225	1	217	08:37:27.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 470.57 +/-	1O0	4	0	6,153,826:12:8	
226	1	217	08:39:46.200	117GB105A106A4N	7STRP	-0.067904,-0.001	Slew =12.01	1O0	4	0	6,153,828:39:0	
227	1	217	08:40:02.200	117GB105A106A4O	7STRP	0.066096,0.0,0,0	Slew =,0.31	1O0	4	0	6,153,828:63:0	
228	1	217	08:43:46.200	117GB105A106A4P	7STRP	-0.067904,-0.001	Slew =12.01	1O0	4	0	6,153,832:35:0	
229	1	217	08:44:02.200	117GB105A106A4Q	7STRP	0.066096,0.0,0,0	Slew =,0.31	1O0	4	0	6,153,832:59:0	
230	1	217	08:47:46.200	117GB105A106A4R	7STRP	-0.067904,-0.001	Slew =12.01	1O0	4	0	6,153,836:31:0	
231	1	217	08:48:02.200	117GB105A106A4S	7STRP	0.066096,0.0,0,0	Slew =,0.31	1O0	4	0	6,153,836:55:0	
232	1	217	08:49:40.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,153,838:20:0	
233	1	217	08:49:40.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 470.57 +/-	1O0	4	0	6,153,838:20:0	
234	1	217	08:49:46.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 470.57 +/-	1O0	4	0	6,153,838:30:0	
235	1	217	08:49:48.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 470.69 +/-	1O0	4	0	6,153,838:32:1	
236	1	217	08:50:05.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 474.73 +/-	1O0	4	0	6,153,838:58:0	
237	1	217	08:50:28.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,153,839:01:0	
238	1	217	08:50:28.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 480.05 +/-	1O0	4	0	6,153,839:01:0	
239	1	217	08:50:29.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 480.11 +/-	1O0	4	0	6,153,839:02:8	
240	1	217	08:51:46.200	117GB11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	6,153,840:27:0	
241	1	217	08:53:59.533	176GB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	1O0	4	0	6,153,842:45:0	
242	1	217	08:54:01.533		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 480.11 +/-	1O0	4	0	6,153,842:48:0	
243	1	217	08:54:01.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,153,842:48:0	
244	1	217	08:54:08.200		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 480.11 +/-	1O0	4	0	6,153,842:58:0	
245	1	217	08:54:09.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 480.23 +/-	1O0	4	0	6,153,842:60:1	
246	1	217	08:54:11.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 480.68 +/-	1O0	4	0	6,153,842:63:0	
247	1	217	08:54:24.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,153,842:83:0	
248	1	217	08:54:24.866		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 483.80 +/-	1O0	4	0	6,153,842:83:0	
249	1	217	08:54:26.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 483.86 +/-	1O0	4	0	6,153,842:84:8	
250	1	217	09:00:06.866	20UR4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,153,848:50:0	
251	1	217	10:21:45.533	488AE6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,153,929:27:0	
252	1	217	10:28:32.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 483.86 +/-	1O0	4	0	6,153,936:00:0	
253	1	217	10:28:32.200	411JA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,153,936:00:0	
254	1	217	10:28:38.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 483.86 +/-	1O0	4	0	6,153,936:10:0	
255	1	217	10:28:40.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 483.98 +/-	1O0	4	0	6,153,936:12:1	
256	1	217	10:28:40.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 483.98 +/-	1O0	4	0	6,153,936:12:1	
257	1	217	10:28:42.200	411JA6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	1O0	4	0	6,153,936:15:0	
258	1	217	10:30:43.533	411JA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	1O0	4	0	6,153,938:15:0	
259	1	217	10:30:44.200		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 513.03 +/-	1O0	4	0	6,153,938:16:0	
260	1	217	10:30:44.200	411JA6D	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,153,938:16:0	
261	1	217	10:30:45.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 513.09 +/-	1O0	4	0	6,153,938:17:8	
262	1	217	10:36:12.200	488AE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,153,943:53:0	
263	1	217	10:37:30.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 513.09 +/-	1O0	4	0	6,153,944:79:0	
264	1	217	10:37:30.200	465KG6A	6DMSC	P7,3	DMS Control Tape P/B 7.68kbps	1O0	4	0	6,153,944:79:0	
265	1	217	10:37:36.866		DMS:	: *RUNUP	P7, TRACK *3, FWD, TIC 513.09 +/-	1O0	4	0	6,153,944:89:0	
266	1	217	10:37:38.266		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC 513.21 +/-	1O0	4	0	6,153,945:00:1	
267	1	217	10:37:38.266		DMS:	: *P_SLEW	P7, TRACK 3, FWD, TIC * 513.21 +/-	1O0	4	0	6,153,945:00:1	
268	1	217	10:49:00.200	488AE6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	6,153,956:22:0	
269	1	217	11:48:31.533	488AE6D	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	1O0	4	0	6,154,015:10:0	
270	1	217	12:14:20.200	488AE6E	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,154,040:58:0	
271	1	217	12:23:24.200	488AF6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,154,049:55:0	
272	1	217	13:20:28.866		DMS:	**: *RUNDOWN**	P7, TRACK 3, FWD, TIC *2803.20 +/-	1O0	4	0	6,154,106:05:0	
273	1	217	13:20:28.866	465KG6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	6,154,106:05:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
274	1	217	13:20:30.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2803.26 +/-	1O0	4	0	6,154,106:06:8
275	1	217	13:22:26.866	465KH6A	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	6,154,108:00:0
276	1	217	13:22:26.866		DMS:	: READY	RDY, TRACK *4, *REV, TIC 2803.26 +/-	1O0	4	0	6,154,108:00:0
277	1	217	13:25:19.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2803.26 +/-	1O0	4	0	6,154,110:77:0
278	1	217	13:25:19.533	465KI6A	6DMSC	P7,4	DMS Control Tape P/B 7.68kbps	1O0	4	0	6,154,110:77:0
279	1	217	13:25:20.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2803.38 +/-	1O0	4	0	6,154,110:79:1
280	1	217	13:25:26.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2804.61 +/-	1O0	4	0	6,154,110:87:0
281	1	217	13:25:27.400		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC *2804.67 +/-	1O0	4	0	6,154,110:88:8
282	1	217	13:25:28.800		DMS:	: *P_SLEW	P7, TRACK 4, REV, TIC *2804.55 +/-	1O0	4	0	6,154,110:90:9
283	1	217	13:25:28.800		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC 2804.55 +/-	1O0	4	0	6,154,110:90:9
284	1	217	16:08:19.466		DMS:	**: *RUNDOWN**	P7, TRACK 4, REV, TIC * 514.55 +/-	1O0	4	0	6,154,272:05:0
285	1	217	16:08:19.466	465KI6B	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	6,154,272:05:0
286	1	217	16:08:20.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 514.49 +/-	1O0	4	0	6,154,272:06:8
287	1	217	16:10:17.466		DMS:	: READY	RDY, TRACK *3, *FWD, TIC 514.49 +/-	1O0	4	0	6,154,274:00:0
288	1	217	16:10:17.466	465KJ6A	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	6,154,274:00:0
289	1	217	16:15:00.133	480SA6A	6MROH	44,23E8,0,A10	read from LLM2A44,23E8,0,A1	1O0	4	0	6,154,278:60:0
290	1	217	16:16:20.133	480SA6B	6MROH	45,23E8,0,B10	read from LLM2B45,23E8,0,B1	1O0	4	0	6,154,279:89:0
291	1	217	18:41:54.133	488AG6A	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,154,423:86:0
292	1	217	18:49:00.133	488AG6B	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	1O0	4	0	6,154,430:88:0
293	1	217	19:01:48.133	488AG6C	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	1O0	4	0	6,154,443:57:0
294	1	217	19:42:20.133	488AG6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	6,154,483:65:0
295	1	217	20:00:00.133	488AG6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,154,501:17:0
296	1	217	20:18:29.466	488AH6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,154,519:43:0
297	1	217	21:05:33.466	488AH6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,154,566:02:0
298	1	217	21:38:09.466	488AH6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,154,598:24:0
299	1	218	00:15:36.800	165GC4A	7SCAN	NORM,242.532,-23	Check S/P Position	1O0	4	0	6,154,753:90:0
300	1	218	00:18:39.466	176GC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	1O0	4	0	6,154,757:00:0
301	1	218	00:19:30.800	117GC	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	6,154,757:77:0
302	1	218	00:19:40.133	117GC105A106A4A	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,758:00:0
303	1	218	00:21:51.466	117GC105A106A4B	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,760:15:0
304	1	218	00:22:04.133	117GC105A106A4C	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,760:34:0
305	1	218	00:24:15.466	117GC105A106A4D	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,762:49:0
306	1	218	00:24:28.133	117GC105A106A4E	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,762:68:0
307	1	218	00:26:39.466	117GC105A106A4F	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,764:83:0
308	1	218	00:26:52.133	117GC105A106A4G	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,765:11:0
309	1	218	00:29:03.466	117GC105A106A4H	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,767:26:0
310	1	218	00:29:16.133	117GC105A106A4I	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,767:45:0
311	1	218	00:31:14.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,769:40:0
312	1	218	00:31:14.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 514.49 +/-	1O0	4	0	6,154,769:40:0
313	1	218	00:31:20.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 514.49 +/-	1O0	4	0	6,154,769:50:0
314	1	218	00:31:22.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 514.61 +/-	1O0	4	0	6,154,769:52:1
315	1	218	00:31:27.466	117GC105A106A4J	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,769:60:0
316	1	218	00:31:39.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 518.66 +/-	1O0	4	0	6,154,769:78:0
317	1	218	00:31:40.133	117GC105A106A4K	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,769:79:0
318	1	218	00:32:02.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,770:21:0
319	1	218	00:32:02.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 523.97 +/-	1O0	4	0	6,154,770:21:0
320	1	218	00:32:03.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 524.03 +/-	1O0	4	0	6,154,770:22:8
321	1	218	00:33:04.800	488AH6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,154,771:24:0
322	1	218	00:33:51.466	117GC105A106A4L	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,772:03:0
323	1	218	00:34:04.133	117GC105A106A4M	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,772:22:0
324	1	218	00:36:15.466	117GC105A106A4N	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,774:37:0
325	1	218	00:36:28.133	117GC105A106A4O	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,774:56:0
326	1	218	00:38:39.466	117GC105A106A4P	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,776:71:0
327	1	218	00:38:52.133	117GC105A106A4Q	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,776:90:0
328	1	218	00:41:03.466	117GC105A106A4R	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,779:14:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	1	218	00:41:16.133	117GC105A106A4S	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,779:33:0	
330	1	218	00:43:27.466	117GC105A106A4T	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,781:48:0	
331	1	218	00:43:40.133	117GC105A106A4U	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,781:67:0	
332	1	218	00:44:16.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 524.03 +/-	1O0	4	0	6,154,782:30:0	
333	1	218	00:44:16.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,782:30:0	
334	1	218	00:44:22.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 524.03 +/-	1O0	4	0	6,154,782:40:0	
335	1	218	00:44:24.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 524.15 +/-	1O0	4	0	6,154,782:42:1	
336	1	218	00:44:41.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 528.20 +/-	1O0	4	0	6,154,782:68:0	
337	1	218	00:45:04.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 533.51 +/-	1O0	4	0	6,154,783:11:0	
338	1	218	00:45:04.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,783:11:0	
339	1	218	00:45:05.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 533.57 +/-	1O0	4	0	6,154,783:12:8	
340	1	218	00:45:51.466	117GC105A106A4V	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,783:82:0	
341	1	218	00:46:04.133	117GC105A106A4W	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,784:10:0	
342	1	218	00:48:15.466	117GC105A106A4X	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,786:25:0	
343	1	218	00:48:28.133	117GC105A106A4Y	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,786:44:0	
344	1	218	00:50:39.466	117GC105A106A4Z	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,788:59:0	
345	1	218	00:50:52.133	117GC105A106A4AA	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,788:78:0	
346	1	218	00:53:03.466	117GC105A106A4AB	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,791:02:0	
347	1	218	00:53:16.133	117GC105A106A4AC	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,791:21:0	
348	1	218	00:55:27.466	117GC105A106A4AD	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,793:36:0	
349	1	218	00:55:40.133	117GC105A106A4AE	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,793:55:0	
350	1	218	00:57:18.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 533.57 +/-	1O0	4	0	6,154,795:20:0	
351	1	218	00:57:18.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,795:20:0	
352	1	218	00:57:24.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 533.57 +/-	1O0	4	0	6,154,795:30:0	
353	1	218	00:57:26.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 533.69 +/-	1O0	4	0	6,154,795:32:1	
354	1	218	00:57:43.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 537.74 +/-	1O0	4	0	6,154,795:58:0	
355	1	218	00:57:51.466	117GC105A106A4AF	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,795:70:0	
356	1	218	00:58:04.133	117GC105A106A4AG	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,795:89:0	
357	1	218	00:58:06.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 543.05 +/-	1O0	4	0	6,154,796:01:0	
358	1	218	00:58:06.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,796:01:0	
359	1	218	00:58:07.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 543.11 +/-	1O0	4	0	6,154,796:02:8	
360	1	218	01:00:14.133	432OI431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	6,154,798:11:0	
361	1	218	01:00:14.800	432OI6A	6RTSL1		R/T Select of DDS and	1O0	4	0	6,154,798:12:0	
362	1	218	01:00:15.466	117GC105A106A4AH	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,798:13:0	
363	1	218	01:00:28.133	117GC105A106A4AI	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,798:32:0	
364	1	218	01:02:39.466	117GC105A106A4AJ	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,800:47:0	
365	1	218	01:02:52.133	117GC105A106A4AK	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,800:66:0	
366	1	218	01:05:03.466	117GC105A106A4AL	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,802:81:0	
367	1	218	01:05:16.133	117GC105A106A4AM	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,803:09:0	
368	1	218	01:07:27.466	117GC105A106A4AN	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,805:24:0	
369	1	218	01:07:40.133	117GC105A106A4AO	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,805:43:0	
370	1	218	01:09:51.466	117GC105A106A4AP	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,807:58:0	
371	1	218	01:10:04.133	117GC105A106A4AQ	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,807:77:0	
372	1	218	01:10:20.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 543.11 +/-	1O0	4	0	6,154,808:11:0	
373	1	218	01:10:20.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,808:11:0	
374	1	218	01:10:27.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 543.11 +/-	1O0	4	0	6,154,808:21:0	
375	1	218	01:10:28.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 543.23 +/-	1O0	4	0	6,154,808:23:1	
376	1	218	01:10:45.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 547.12 +/-	1O0	4	0	6,154,808:48:0	
377	1	218	01:11:08.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,808:82:0	
378	1	218	01:11:08.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 552.43 +/-	1O0	4	0	6,154,808:82:0	
379	1	218	01:11:09.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 552.49 +/-	1O0	4	0	6,154,808:83:8	
380	1	218	01:12:15.466	117GC105A106A4AR	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,810:01:0	
381	1	218	01:12:28.133	117GC105A106A4AS	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,810:20:0	
382	1	218	01:14:39.466	117GC105A106A4AT	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,812:35:0	
383	1	218	01:14:52.133	117GC105A106A4AU	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,812:54:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	1	218	01:17:03.466	117GC105A106A4AV	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,814:69:0	
385	1	218	01:17:16.133	117GC105A106A4AW	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,814:88:0	
386	1	218	01:19:27.466	117GC105A106A4AX	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,817:12:0	
387	1	218	01:19:40.133	117GC105A106A4AY	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,817:31:0	
388	1	218	01:21:51.466	117GC105A106A4AZ	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,819:46:0	
389	1	218	01:22:04.133	117GC105A106A4BA	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,819:65:0	
390	1	218	01:23:22.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 552.49 +/-	1O0	4	0	6,154,821:01:0	
391	1	218	01:23:22.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,821:01:0	
392	1	218	01:23:29.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 552.49 +/-	1O0	4	0	6,154,821:11:0	
393	1	218	01:23:30.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 552.61 +/-	1O0	4	0	6,154,821:13:1	
394	1	218	01:23:48.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 556.66 +/-	1O0	4	0	6,154,821:39:0	
395	1	218	01:24:10.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 561.97 +/-	1O0	4	0	6,154,821:73:0	
396	1	218	01:24:10.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,821:73:0	
397	1	218	01:24:12.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 562.03 +/-	1O0	4	0	6,154,821:74:8	
398	1	218	01:24:15.466	117GC105A106A4BB	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,821:80:0	
399	1	218	01:24:28.133	117GC105A106A4BC	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,822:08:0	
400	1	218	01:26:39.466	117GC105A106A4BD	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,824:23:0	
401	1	218	01:26:52.133	117GC105A106A4BE	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,824:42:0	
402	1	218	01:29:03.466	117GC105A106A4BF	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,826:57:0	
403	1	218	01:29:16.133	117GC105A106A4BG	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,826:76:0	
404	1	218	01:31:27.466	117GC105A106A4BH	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,829:00:0	
405	1	218	01:31:40.133	117GC105A106A4BI	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,829:19:0	
406	1	218	01:33:51.466	117GC105A106A4BJ	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,831:34:0	
407	1	218	01:34:04.133	117GC105A106A4BK	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,831:53:0	
408	1	218	01:34:20.133	488AH6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,154,831:77:0	
409	1	218	01:36:15.466	117GC105A106A4BL	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,833:68:0	
410	1	218	01:36:24.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,833:82:0	
411	1	218	01:36:24.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 562.03 +/-	1O0	4	0	6,154,833:82:0	
412	1	218	01:36:28.133	117GC105A106A4BM	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,833:87:0	
413	1	218	01:36:31.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 562.03 +/-	1O0	4	0	6,154,834:01:0	
414	1	218	01:36:32.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 562.15 +/-	1O0	4	0	6,154,834:03:1	
415	1	218	01:36:50.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 566.20 +/-	1O0	4	0	6,154,834:29:0	
416	1	218	01:37:12.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,834:63:0	
417	1	218	01:37:12.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 571.51 +/-	1O0	4	0	6,154,834:63:0	
418	1	218	01:37:14.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 571.57 +/-	1O0	4	0	6,154,834:64:8	
419	1	218	01:38:39.466	117GC105A106A4BN	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,836:11:0	
420	1	218	01:38:52.133	117GC105A106A4BO	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,836:30:0	
421	1	218	01:41:03.466	117GC105A106A4BP	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,838:45:0	
422	1	218	01:41:16.133	117GC105A106A4BQ	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,838:64:0	
423	1	218	01:43:27.466	117GC105A106A4BR	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,840:79:0	
424	1	218	01:43:40.133	117GC105A106A4BS	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,841:07:0	
425	1	218	01:45:51.466	117GC105A106A4BT	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,843:22:0	
426	1	218	01:46:04.133	117GC105A106A4BU	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,843:41:0	
427	1	218	01:48:15.466	117GC105A106A4BV	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,845:56:0	
428	1	218	01:48:28.133	117GC105A106A4BW	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,845:75:0	
429	1	218	01:49:27.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 571.57 +/-	1O0	4	0	6,154,846:73:0	
430	1	218	01:49:27.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,846:73:0	
431	1	218	01:49:34.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 571.57 +/-	1O0	4	0	6,154,846:83:0	
432	1	218	01:49:35.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 571.69 +/-	1O0	4	0	6,154,846:85:1	
433	1	218	01:49:52.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 575.58 +/-	1O0	4	0	6,154,847:19:0	
434	1	218	01:50:14.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 580.89 +/-	1O0	4	0	6,154,847:53:0	
435	1	218	01:50:14.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,847:53:0	
436	1	218	01:50:16.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 580.95 +/-	1O0	4	0	6,154,847:54:8	
437	1	218	01:50:39.466	117GC105A106A4BX	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,847:90:0	
438	1	218	01:50:52.133	117GC105A106A4BY	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,848:18:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
439	1	218	01:53:03.466	117GC105A106A4BZ	7STRP	-0.037858,0.0030	Slew =12.01	1O0	4	0	6,154,850:33:0
440	1	218	01:53:16.133	117GC105A106A4CA	7STRP	0.03902,-0.004,0	Slew =,0.32	1O0	4	0	6,154,850:52:0
441	1	218	01:55:27.466	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	6,154,852:67:0
442	1	218	01:56:13.466	176GC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	1O0	4	0	6,154,853:45:0
443	1	218	01:56:15.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,853:48:0
444	1	218	01:56:15.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 580.95 +/-	1O0	4	0	6,154,853:48:0
445	1	218	01:56:22.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 580.95 +/-	1O0	4	0	6,154,853:58:0
446	1	218	01:56:23.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 581.07 +/-	1O0	4	0	6,154,853:60:1
447	1	218	01:56:25.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 581.53 +/-	1O0	4	0	6,154,853:63:0
448	1	218	01:56:40.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,853:86:0
449	1	218	01:56:40.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 585.12 +/-	1O0	4	0	6,154,853:86:0
450	1	218	01:56:42.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 585.18 +/-	1O0	4	0	6,154,853:87:8
451	1	218	01:56:43.466	165GD4A	7SCAN	NORM,239.497999,	Check S/P Position	1O0	4	0	6,154,853:90:0
452	**1**	**218**	**01:57:43.466**	**432SA6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**1O0**	**4**	**0**	**6,154,854:89:0**
453	1	218	01:57:44.800	176GD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	1O0	4	0	6,154,855:00:0
454	1	218	01:58:36.133	117GD	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	6,154,855:77:0
455	1	218	01:58:45.466	117GD105A106A4A	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,856:00:0
456	1	218	02:00:39.466	117GD105A106A4B	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,857:80:0
457	1	218	02:00:53.466	117GD105A106A4C	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,858:10:0
458	1	218	02:02:47.466	117GD105A106A4D	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,859:90:0
459	1	218	02:03:01.466	117GD105A106A4E	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,860:20:0
460	1	218	02:04:55.466	117GD105A106A4F	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,862:09:0
461	1	218	02:05:09.466	117GD105A106A4G	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,862:30:0
462	1	218	02:07:03.466	117GD105A106A4H	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,864:19:0
463	1	218	02:07:17.466	117GD105A106A4I	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,864:40:0
464	1	218	02:09:11.466	117GD105A106A4J	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,866:29:0
465	1	218	02:09:25.466	117GD105A106A4K	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,866:50:0
466	1	218	02:10:19.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 585.18 +/-	1O0	4	0	6,154,867:40:0
467	1	218	02:10:19.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,867:40:0
468	1	218	02:10:26.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 585.18 +/-	1O0	4	0	6,154,867:50:0
469	1	218	02:10:27.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 585.30 +/-	1O0	4	0	6,154,867:52:1
470	1	218	02:10:44.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 589.35 +/-	1O0	4	0	6,154,867:78:0
471	1	218	02:11:07.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,868:21:0
472	1	218	02:11:07.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 594.66 +/-	1O0	4	0	6,154,868:21:0
473	1	218	02:11:08.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 594.72 +/-	1O0	4	0	6,154,868:22:8
474	1	218	02:11:19.466	117GD105A106A4L	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,868:39:0
475	1	218	02:11:33.466	117GD105A106A4M	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,868:60:0
476	1	218	02:12:04.133	488AI6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,154,869:15:0
477	1	218	02:13:27.466	117GD105A106A4N	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,870:49:0
478	1	218	02:13:41.466	117GD105A106A4O	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,870:70:0
479	1	218	02:15:35.466	117GD105A106A4P	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,872:59:0
480	1	218	02:15:49.466	117GD105A106A4Q	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,872:80:0
481	1	218	02:17:43.466	117GD105A106A4R	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,874:69:0
482	1	218	02:17:57.466	117GD105A106A4S	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,874:90:0
483	1	218	02:19:51.466	117GD105A106A4T	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,876:79:0
484	1	218	02:20:05.466	117GD105A106A4U	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,877:09:0
485	1	218	02:21:59.466	117GD105A106A4V	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,878:89:0
486	1	218	02:22:13.466	117GD105A106A4W	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,879:19:0
487	1	218	02:23:21.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 594.72 +/-	1O0	4	0	6,154,880:30:0
488	1	218	02:23:21.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,880:30:0
489	1	218	02:23:24.133	488AI6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	6,154,880:34:0
490	1	218	02:23:28.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 594.72 +/-	1O0	4	0	6,154,880:40:0
491	1	218	02:23:29.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 594.84 +/-	1O0	4	0	6,154,880:42:1
492	1	218	02:23:46.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 598.89 +/-	1O0	4	0	6,154,880:68:0
493	1	218	02:24:07.466	117GD105A106A4X	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,881:08:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	1	218	02:24:09.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,881:11:0	
495	1	218	02:24:09.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 604.20 +/-	1O0	4	0	6,154,881:11:0	
496	1	218	02:24:10.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 604.26 +/-	1O0	4	0	6,154,881:12:8	
497	1	218	02:24:21.466	117GD105A106A4Y	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,881:29:0	
498	1	218	02:26:15.466	117GD105A106A4Z	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,883:18:0	
499	1	218	02:26:29.466	117GD105A106A4AA	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,883:39:0	
500	1	218	02:28:23.466	117GD105A106A4AB	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,885:28:0	
501	1	218	02:28:37.466	117GD105A106A4AC	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,885:49:0	
502	1	218	02:30:31.466	117GD105A106A4AD	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,887:38:0	
503	1	218	02:30:45.466	117GD105A106A4AE	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,887:59:0	
504	1	218	02:32:39.466	117GD105A106A4AF	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,889:48:0	
505	1	218	02:32:53.466	117GD105A106A4AG	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,889:69:0	
506	1	218	02:34:47.466	117GD105A106A4AH	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,891:58:0	
507	1	218	02:35:01.466	117GD105A106A4AI	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,891:79:0	
508	1	218	02:36:23.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 604.26 +/-	1O0	4	0	6,154,893:20:0	
509	1	218	02:36:23.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,893:20:0	
510	1	218	02:36:30.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 604.26 +/-	1O0	4	0	6,154,893:30:0	
511	1	218	02:36:31.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 604.38 +/-	1O0	4	0	6,154,893:32:1	
512	1	218	02:36:48.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 608.43 +/-	1O0	4	0	6,154,893:58:0	
513	1	218	02:36:55.466	117GD105A106A4AJ	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,893:68:0	
514	1	218	02:37:09.466	117GD105A106A4AK	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,893:89:0	
515	1	218	02:37:11.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 613.74 +/-	1O0	4	0	6,154,894:01:0	
516	1	218	02:37:11.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,894:01:0	
517	1	218	02:37:12.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 613.80 +/-	1O0	4	0	6,154,894:02:8	
518	1	218	02:39:03.466	117GD105A106A4AL	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,895:78:0	
519	1	218	02:39:17.466	117GD105A106A4AM	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,896:08:0	
520	1	218	02:41:11.466	117GD105A106A4AN	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,897:88:0	
521	1	218	02:41:25.466	117GD105A106A4AO	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,898:18:0	
522	1	218	02:43:19.466	117GD105A106A4AP	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,900:07:0	
523	1	218	02:43:33.466	117GD105A106A4AQ	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,900:28:0	
524	1	218	02:45:27.466	117GD105A106A4AR	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,902:17:0	
525	1	218	02:45:41.466	117GD105A106A4AS	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,902:38:0	
526	1	218	02:47:35.466	117GD105A106A4AT	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,904:27:0	
527	1	218	02:47:49.466	117GD105A106A4AU	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,904:48:0	
528	1	218	02:49:26.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 613.80 +/-	1O0	4	0	6,154,906:11:0	
529	1	218	02:49:26.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,906:11:0	
530	1	218	02:49:32.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 613.80 +/-	1O0	4	0	6,154,906:21:0	
531	1	218	02:49:34.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 613.92 +/-	1O0	4	0	6,154,906:23:1	
532	1	218	02:49:43.466	117GD105A106A4AV	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,906:37:0	
533	1	218	02:49:50.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 617.81 +/-	1O0	4	0	6,154,906:48:0	
534	1	218	02:49:57.466	117GD105A106A4AW	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,906:58:0	
535	1	218	02:50:13.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,906:82:0	
536	1	218	02:50:13.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 623.12 +/-	1O0	4	0	6,154,906:82:0	
537	1	218	02:50:14.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 623.18 +/-	1O0	4	0	6,154,906:83:8	
538	1	218	02:51:51.466	117GD105A106A4AX	7STRP	-0.032511,0.0029	Slew =12.01	1O0	4	0	6,154,908:47:0	
539	1	218	02:52:05.466	117GD105A106A4AY	7STRP	0.033012,-0.0035	Slew =,0.31	1O0	4	0	6,154,908:68:0	
540	1	218	02:53:59.466	117GD11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	6,154,910:57:0	
541	1	218	02:55:52.800	176GD6B	6TMREC	**NRC**	NO RECORD Record Mode Change	1O0	4	0	6,154,912:45:0	
542	1	218	02:55:54.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,912:48:0	
543	1	218	02:55:54.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 623.18 +/-	1O0	4	0	6,154,912:48:0	
544	1	218	02:56:01.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 623.18 +/-	1O0	4	0	6,154,912:58:0	
545	1	218	02:56:02.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 623.30 +/-	1O0	4	0	6,154,912:60:1	
546	1	218	02:56:04.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 623.75 +/-	1O0	4	0	6,154,912:63:0	
547	1	218	02:56:20.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,912:86:0	
548	1	218	02:56:20.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 627.35 +/-	1O0	4	0	6,154,912:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	1	218	02:56:21.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 627.41 +/-	1O0	4	0	6,154,912:87:8	
550	1	218	02:57:23.466	165GO4A	7SCAN	NORM,239.455,-22	Check S/P Position	1O0	4	0	6,154,913:90:0	
551	1	218	02:57:24.133	176GO6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	1O0	4	0	6,154,914:00:0	
552	1	218	02:58:15.466	117GO	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	6,154,914:77:0	
553	1	218	02:58:24.800	117GO105A106A4A	7STRP	0.04503,-0.002,0	Slew =,0.15	1O0	4	0	6,154,915:00:0	
554	1	218	02:59:40.133	488AI6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,154,916:22:0	
555	1	218	03:03:34.133	117GO105A106A4B	7STRP	-0.04503,0.00155	Slew =12.01	1O0	4	0	6,154,920:09:0	
556	1	218	03:03:47.466	117GO105A106A4C	7STRP	0.04503,-0.002,0	Slew =,0.15	1O0	4	0	6,154,920:29:0	
557	1	218	03:08:56.800	117GO105A106A4D	7STRP	-0.04503,0.00155	Slew =12.01	1O0	4	0	6,154,925:38:0	
558	1	218	03:09:10.133	117GO105A106A4E	7STRP	0.04503,-0.002,0	Slew =,0.15	1O0	4	0	6,154,925:58:0	
559	1	218	03:09:58.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 627.41 +/-	1O0	4	0	6,154,926:40:0	
560	1	218	03:09:58.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,926:40:0	
561	1	218	03:10:05.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 627.41 +/-	1O0	4	0	6,154,926:50:0	
562	1	218	03:10:06.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 627.53 +/-	1O0	4	0	6,154,926:52:1	
563	1	218	03:10:24.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 631.57 +/-	1O0	4	0	6,154,926:78:0	
564	1	218	03:10:46.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 636.89 +/-	1O0	4	0	6,154,927:21:0	
565	1	218	03:10:46.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,927:21:0	
566	1	218	03:10:48.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 636.95 +/-	1O0	4	0	6,154,927:22:8	
567	1	218	03:14:19.466	117GO105A106A4F	7STRP	-0.04503,0.00155	Slew =12.01	1O0	4	0	6,154,930:67:0	
568	1	218	03:14:32.800	117GO105A106A4G	7STRP	0.04503,-0.002,0	Slew =,0.15	1O0	4	0	6,154,930:87:0	
569	1	218	03:19:42.133	117GO105A106A4H	7STRP	-0.04503,0.00155	Slew =12.01	1O0	4	0	6,154,936:05:0	
570	1	218	03:19:55.466	117GO105A106A4I	7STRP	0.04503,-0.002,0	Slew =,0.15	1O0	4	0	6,154,936:25:0	
571	1	218	03:23:00.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 636.95 +/-	1O0	4	0	6,154,939:30:0	
572	1	218	03:23:00.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,939:30:0	
573	1	218	03:23:07.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 636.95 +/-	1O0	4	0	6,154,939:40:0	
574	1	218	03:23:08.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 637.07 +/-	1O0	4	0	6,154,939:42:1	
575	1	218	03:23:26.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 641.11 +/-	1O0	4	0	6,154,939:68:0	
576	1	218	03:23:48.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,940:11:0	
577	1	218	03:23:48.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 646.43 +/-	1O0	4	0	6,154,940:11:0	
578	1	218	03:23:50.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 646.49 +/-	1O0	4	0	6,154,940:12:8	
579	1	218	03:25:04.800	117GO105A106A4J	7STRP	-0.04503,0.00155	Slew =12.01	1O0	4	0	6,154,941:34:0	
580	1	218	03:25:18.133	117GO105A106A4K	7STRP	0.04503,-0.002,0	Slew =,0.15	1O0	4	0	6,154,941:54:0	
581	1	218	03:30:27.466	117GO105A106A4L	7STRP	-0.04503,0.00155	Slew =12.01	1O0	4	0	6,154,946:63:0	
582	1	218	03:30:40.800	117GO105A106A4M	7STRP	0.04503,-0.002,0	Slew =,0.15	1O0	4	0	6,154,946:83:0	
583	1	218	03:35:50.133	117GO105A106A4N	7STRP	-0.04503,0.00155	Slew =12.01	1O0	4	0	6,154,952:01:0	
584	1	218	03:36:02.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 646.49 +/-	1O0	4	0	6,154,952:20:0	
585	1	218	03:36:02.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,952:20:0	
586	1	218	03:36:03.466	117GO105A106A4O	7STRP	0.04503,-0.002,0	Slew =,0.15	1O0	4	0	6,154,952:21:0	
587	1	218	03:36:09.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 646.49 +/-	1O0	4	0	6,154,952:30:0	
588	1	218	03:36:10.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 646.61 +/-	1O0	4	0	6,154,952:32:1	
589	1	218	03:36:28.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 650.65 +/-	1O0	4	0	6,154,952:58:0	
590	1	218	03:36:50.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,953:01:0	
591	1	218	03:36:50.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 655.97 +/-	1O0	4	0	6,154,953:01:0	
592	1	218	03:36:52.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 656.03 +/-	1O0	4	0	6,154,953:02:8	
593	1	218	03:41:12.800	117GO105A106A4P	7STRP	-0.04503,0.00155	Slew =12.01	1O0	4	0	6,154,957:30:0	
594	1	218	03:41:26.133	117GO105A106A4Q	7STRP	0.04503,-0.002,0	Slew =,0.15	1O0	4	0	6,154,957:50:0	
595	1	218	03:46:35.466	117GO105A106A4R	7STRP	-0.04503,0.00155	Slew =12.01	1O0	4	0	6,154,962:59:0	
596	1	218	03:46:48.800	117GO105A106A4S	7STRP	0.04503,-0.002,0	Slew =,0.15	1O0	4	0	6,154,962:79:0	
597	1	218	03:49:05.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 656.03 +/-	1O0	4	0	6,154,965:11:0	
598	1	218	03:49:05.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,965:11:0	
599	1	218	03:49:12.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 656.03 +/-	1O0	4	0	6,154,965:21:0	
600	1	218	03:49:13.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 656.15 +/-	1O0	4	0	6,154,965:23:1	
601	1	218	03:49:30.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 660.04 +/-	1O0	4	0	6,154,965:48:0	
602	1	218	03:49:52.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 665.35 +/-	1O0	4	0	6,154,965:82:0	
603	1	218	03:49:52.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,965:82:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	1	218	03:49:54.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 665.41 +/-	1O0	4	0	6,154,965:83:8	
605	1	218	03:51:58.133	117GO11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	6,154,967:88:0	
606	1	218	03:52:30.133	176GO6B	6TMREC	**NRC**	NO RECORD Record Mode Change	1O0	4	0	6,154,968:45:0	
607	1	218	03:52:32.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,968:48:0	
608	1	218	03:52:32.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 665.41 +/-	1O0	4	0	6,154,968:48:0	
609	1	218	03:52:38.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 665.41 +/-	1O0	4	0	6,154,968:58:0	
610	1	218	03:52:40.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 665.53 +/-	1O0	4	0	6,154,968:60:1	
611	1	218	03:52:42.133		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 665.98 +/-	1O0	4	0	6,154,968:63:0	
612	1	218	03:52:54.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,968:81:0	
613	1	218	03:52:54.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 668.79 +/-	1O0	4	0	6,154,968:81:0	
614	1	218	03:52:55.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 668.85 +/-	1O0	4	0	6,154,968:82:8	
615	1	218	03:53:40.800	411JB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,969:60:0	
616	1	218	03:53:40.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 668.85 +/-	1O0	4	0	6,154,969:60:0	
617	1	218	03:53:47.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 668.85 +/-	1O0	4	0	6,154,969:70:0	
618	1	218	03:53:48.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 668.97 +/-	1O0	4	0	6,154,969:72:1	
619	1	218	03:53:48.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 668.97 +/-	1O0	4	0	6,154,969:72:1	
620	1	218	03:53:50.800	411JB6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	1O0	4	0	6,154,969:75:0	
621	1	218	03:55:52.133	411JB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	1O0	4	0	6,154,971:75:0	
622	1	218	03:55:52.800	411JB6D	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,971:76:0	
623	1	218	03:55:52.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 698.02 +/-	1O0	4	0	6,154,971:76:0	
624	1	218	03:55:54.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 698.08 +/-	1O0	4	0	6,154,971:77:8	
625	1	218	03:56:02.133	165GF4A	7SCAN	NORM,235.587,-25	Check S/P Position	1O0	4	0	6,154,971:90:0	
626	1	218	03:56:02.800	176GF6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	1O0	4	0	6,154,972:00:0	
627	1	218	03:56:54.133	117GF	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	6,154,972:77:0	
628	1	218	03:57:03.466	117GF105A106A4A	7STRP	-0.015201,0.1000	Slew =,0.38	1O0	4	0	6,154,973:00:0	
629	1	218	04:05:08.133	117GF11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	6,154,980:90:0	
630	1	218	04:06:39.466	176GF6B	6TMREC	**NRC**	NO RECORD Record Mode Change	1O0	4	0	6,154,982:45:0	
631	1	218	04:06:41.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,982:48:0	
632	1	218	04:06:41.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 698.08 +/-	1O0	4	0	6,154,982:48:0	
633	1	218	04:06:48.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 698.08 +/-	1O0	4	0	6,154,982:58:0	
634	1	218	04:06:49.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 698.20 +/-	1O0	4	0	6,154,982:60:1	
635	1	218	04:06:51.466		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 698.65 +/-	1O0	4	0	6,154,982:63:0	
636	1	218	04:07:11.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,154,983:02:0	
637	1	218	04:07:11.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 703.34 +/-	1O0	4	0	6,154,983:02:0	
638	1	218	04:07:12.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 703.40 +/-	1O0	4	0	6,154,983:03:8	
639	1	218	04:13:13.466	165GE4A	7SCAN	NORM,242.5,-27.8	Check S/P Position	1O0	4	0	6,154,988:90:0	
640	1	218	04:13:14.133	176GE6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	1O0	4	0	6,154,989:00:0	
641	1	218	04:14:05.466	117GE	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	6,154,989:77:0	
642	1	218	04:14:14.800	117GE105A106A4A	7STRP	0.015001,-0.0016	Slew =0,0.7	1O0	4	0	6,154,990:00:0	
643	1	218	04:14:40.800	117GE105A106A4B	7STRP	-0.016401,0.0018	Slew =,3.01	1O0	4	0	6,154,990:39:0	
644	1	218	04:14:54.133	117GE105A106A4C	7STRP	0.015001,-0.0016	Slew =0,0.7	1O0	4	0	6,154,990:59:0	
645	1	218	04:15:20.133	117GE105A106A4D	7STRP	-0.016401,0.0018	Slew =,3.01	1O0	4	0	6,154,991:07:0	
646	1	218	04:15:33.466	117GE105A106A4E	7STRP	0.015001,-0.0016	Slew =0,0.7	1O0	4	0	6,154,991:27:0	
647	1	218	04:15:59.466	117GE105A106A4F	7STRP	-0.016401,0.0018	Slew =,3.01	1O0	4	0	6,154,991:66:0	
648	1	218	04:16:12.800	117GE105A106A4G	7STRP	0.015001,-0.0016	Slew =0,0.7	1O0	4	0	6,154,991:86:0	
649	1	218	04:16:38.800	117GE105A106A4H	7STRP	-0.016401,0.0018	Slew =,3.01	1O0	4	0	6,154,992:34:0	
650	1	218	04:16:52.133	117GE105A106A4I	7STRP	0.015001,-0.0016	Slew =0,0.7	1O0	4	0	6,154,992:54:0	
651	1	218	04:17:18.133	117GE105A106A4J	7STRP	-0.016401,0.0018	Slew =,3.01	1O0	4	0	6,154,993:02:0	
652	1	218	04:17:31.466	117GE105A106A4K	7STRP	0.015001,-0.0016	Slew =0,0.7	1O0	4	0	6,154,993:22:0	
653	1	218	04:17:57.466	117GE105A106A4L	7STRP	-0.016401,0.0018	Slew =,3.01	1O0	4	0	6,154,993:61:0	
654	1	218	04:18:10.800	117GE105A106A4M	7STRP	0.015001,-0.0016	Slew =0,0.7	1O0	4	0	6,154,993:81:0	
655	1	218	04:18:36.800	117GE105A106A4N	7STRP	-0.016401,0.0018	Slew =,3.01	1O0	4	0	6,154,994:29:0	
656	1	218	04:18:50.133	117GE105A106A4O	7STRP	0.015001,-0.0016	Slew =0,0.7	1O0	4	0	6,154,994:49:0	
657	1	218	04:19:16.133	117GE105A106A4P	7STRP	-0.016401,0.0018	Slew =,3.01	1O0	4	0	6,154,994:88:0	
658	1	218	04:19:29.466	117GE105A106A4Q	7STRP	0.015001,-0.0016	Slew =0,0.7	1O0	4	0	6,154,995:17:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	1	218	04:19:55.466	117GE105A106A4R	7STRP	-0.016401,0.0018	Slew =,3.01	1O0	4	0	6,154,995:56:0	
660	1	218	04:20:08.800	117GE105A106A4S	7STRP	0.015001,-0.0016	Slew =0,0.7	1O0	4	0	6,154,995:76:0	
661	1	218	04:20:34.800	117GE105A106A4T	7STRP	-0.016401,0.0018	Slew =,3.01	1O0	4	0	6,154,996:24:0	
662	1	218	04:20:48.133	117GE105A106A4U	7STRP	0.015001,-0.0016	Slew =0,0.7	1O0	4	0	6,154,996:44:0	
663	1	218	04:21:14.133	117GE105A106B4A	7STRP	-0.055056,0.005,	Slew =,3.01	1O0	4	0	6,154,996:83:0	
664	1	218	04:21:42.133	117GE105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =0,0.7	1O0	4	0	6,154,997:34:0	
665	1	218	04:22:16.133	117GE11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	6,154,997:85:0	
666	1	218	04:23:20.133	165GN4A	7SCAN	NORM,236.585999,	Check S/P Position	1O0	4	0	6,154,998:90:0	
667	1	218	04:23:50.800	176GE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	1O0	4	0	6,154,999:45:0	
668	1	218	04:23:52.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	6,154,999:48:0	
669	1	218	04:23:52.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 703.40 +/-	1O0	4	0	6,154,999:48:0	
670	1	218	04:23:59.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 703.40 +/-	1O0	4	0	6,154,999:58:0	
671	1	218	04:24:00.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC * 703.52 +/-	1O0	4	0	6,154,999:60:1	
672	1	218	04:24:02.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 703.98 +/-	1O0	4	0	6,154,999:63:0	
673	1	218	04:24:12.133	117GN	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	6,154,999:77:0	
674	1	218	04:24:21.466	117GN105A106A4A	7STRP	0.033012,0.0011,	Slew =,0.17	1O0	4	0	6,155,000:00:0	
675	1	218	04:24:22.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	6,155,000:02:0	
676	1	218	04:24:22.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 708.66 +/-	1O0	4	0	6,155,000:02:0	
677	1	218	04:24:24.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 708.72 +/-	1O0	4	0	6,155,000:03:8	
678	1	218	04:25:11.466	175TA422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	6,155,000:75:0	
679	1	218	04:25:11.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 708.72 +/-	1O0	4	0	6,155,000:75:0	
680	1	218	04:25:18.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 708.72 +/-	1O0	4	0	6,155,000:85:0	
681	1	218	04:25:19.466	175TA176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	6,155,000:87:0	
682	1	218	04:25:19.466	282NA431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	1O0	4	0	6,155,000:87:0	
683	1	218	04:25:19.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 708.84 +/-	1O0	4	0	6,155,000:87:1	
684	1	218	04:25:19.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 708.84 +/-	1O0	4	0	6,155,000:87:1	
685	1	218	04:25:22.133	431OA6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	1O0	4	0	6,155,001:00:0	
686	**1**	**218**	**04:26:26.800**	**31NNTHRMAL01-**		**-----START------**		**1O0**	**4**	**0**	**: :**	
687	**1**	**218**	**04:26:37.466**	**20DA5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,155,002:22:0**	
688	**1**	**218**	**04:26:38.800**	**20DA5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,155,002:24:0**	
689	**1**	**218**	**04:26:40.800**	**20DA6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,155,002:27:0**	
690	**1**	**218**	**04:26:50.800**	**20DA6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,155,002:42:0**	
691	**1**	**218**	**04:27:04.133**	**20DA5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,155,002:62:0**	
692	**1**	**218**	**04:27:07.466**	**20DA5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,155,002:67:0**	
693	**1**	**218**	**04:27:38.800**	**20DA4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,155,003:23:0**	
694	1	218	04:27:43.466	117GN105A106A4B	7STRP	-0.01,0.013503,0	Slew =12.01	2R0	4	0	6,155,003:30:0	
695	1	218	04:28:00.133	117GN105A106A4C	7STRP	0.033012,0.0011,	Slew =,0.17	2R0	4	0	6,155,003:55:0	
696	1	218	04:29:23.466	431OC6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R0	4	0	6,155,004:89:0	
697	**1**	**218**	**04:29:24.800**	**432SB6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**2R0**	**4**	**0**	**6,155,005:00:0**	
698	**1**	**218**	**04:29:26.800**	**31NNTHRMAL01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
699	**1**	**218**	**04:30:20.800**	**31INTHRMAL01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
700	**1**	**218**	**04:30:20.800**	**125DA4A**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**6,155,005:84:0**	
701	1	218	04:30:20.800	125DA	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	6,155,005:84:0	
702	1	218	04:30:28.800	428JA6A	6RCCLR			1R0	4	0	6,155,006:05:0	
703	1	218	04:30:29.466	428JA6B	6RCSET	12		1R0	4	0	6,155,006:06:0	
704	1	218	04:31:21.466	125DA11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	6,155,006:84:0	
705	**1**	**218**	**04:31:21.466**	**125DA4B**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**6,155,006:84:0**	
706	1	218	04:31:22.133	117GN105A106B4A	7STRP	0.01,-0.012002,0	Slew =12.01	1R0	4	0	6,155,006:85:0	
707	1	218	04:31:48.800	117GN105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.17	1R0	4	0	6,155,007:34:0	
708	1	218	04:32:22.800	117GN11A	**CSMOS**	GE	***** GROUP END CSMOS	1R0	4	0	6,155,007:85:0	
709	1	218	04:33:26.800	165DA4A	**7SCAN**	**NORM,231.474998,**	**Check S/P Position**	1R0	4	0	6,155,008:90:0	
710	**1**	**218**	**04:34:23.466**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**6,155,009:84:0**	
711	1	218	04:34:23.466	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	6,155,009:84:0	
712	**1**	**218**	**04:34:24.133**	**127DA4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**6,155,009:85:0**	
713	1	218	04:34:32.133	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	6,155,010:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
714	1	218	04:35:28.800	431OD6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	1R3	4	0	6,155,011:00:0
715	1	218	04:37:20.800	117DA	**CSMOS**	GS	***** GROUP START CSMOS	1R3	4	0	6,155,012:77:0
716	1	218	04:37:24.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 878.67 +/-	1R3	4	0	6,155,012:82:0
717	1	218	04:37:24.133	175DA422A6A	6DMSC	R28,3	DMS Control	1R3	4	0	6,155,012:82:0
718	1	218	04:37:25.333		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC * 878.73 +/-	1R3	4	0	6,155,012:83:8
719	1	218	04:37:28.800	165DA4B	7VECT		Inert vect update UTC	1R3	4	0	6,155,012:89:0
720	1	218	04:37:29.333		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC * 880.23 +/-	1R3	4	0	6,155,012:89:8
721	1	218	04:37:29.333		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 880.23 +/-	1R3	4	0	6,155,012:89:8
722	1	218	04:37:29.466	175DA176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	1R3	4	0	6,155,012:90:0
723	1	218	04:37:30.133	117DA105A106A4A	**7STRP**	**-0.017002,0.0146**	**Slew =,0.04**	1R3	4	0	6,155,013:00:0
724	**1**	**218**	**04:37:30.133**	**31INTHERML01-**	**NIMPBK**	**301DA**	**IO THERMAL OBSERVATION**	**1R3**	**4**	**0**	**: :**
725	**1**	**218**	**04:38:44.800**	**31INTHERML01-**	**NIMPBK**	**301DN**	**IO THERMAL OBSERVATION**	**1R3**	**4**	**0**	**: :**
726	1	218	04:42:34.133	428JB6A	6RCCLR			1R3	4	0	6,155,018:01:0
727	1	218	04:42:34.800	428JB6B	6RCSET	8		1R3	4	0	6,155,018:02:0
728	**1**	**218**	**04:46:04.800**	**31INTHERML01-**	**DESELC**	**300DN**	**IO THERMAL OBSERVATION**	**1R3**	**4**	**0**	**: :**
729	1	218	04:46:45.466	20ID6A	6MCOPY	HLM1A,E415,B1A1A	HLM1A,E415,B1A1A,5000,506	1R3	4	0	6,155,022:14:0
730	**1**	**218**	**04:47:30.133**	**31INTHERML01-**	**DESELC**	**300DA**	**IO THERMAL OBSERVATION**	**1R3**	**4**	**0**	**: :**
731	1	218	04:47:32.800	117DA11A	**CSMOS**	GE	***** GROUP END CSMOS	1R3	4	0	6,155,022:85:0
732	1	218	04:47:33.466		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *1411.21 +/-	1R3	4	0	6,155,022:86:0
733	1	218	04:47:33.466	175TB422A6A	6DMSC	R7,3	DMS Control	1R3	4	0	6,155,022:86:0
734	1	218	04:47:34.666		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *1411.51 +/-	1R3	4	0	6,155,022:87:8
735	**1**	**218**	**04:47:35.466**	**31INHSISUM01-**		**-----START------**		**1R3**	**4**	**0**	**: :**
736	1	218	04:47:36.066		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1411.63 +/-	1R3	4	0	6,155,022:89:9
737	1	218	04:47:36.066		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1411.63 +/-	1R3	4	0	6,155,022:89:9
738	1	218	04:47:36.133	175TB176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	1R3	4	0	6,155,022:90:0
739	1	218	04:47:36.133	165DB4A	**7SCAN**	**NORM,215.369999,**	**Check S/P Position**	1R3	4	0	6,155,022:90:0
740	**1**	**218**	**04:47:38.800**	**31INTHRMAL01-**		**-----STOP-------**		**1R3**	**4**	**0**	**: :**
741	1	218	04:48:35.466	428JC6A	6RCCLR			1R3	4	0	6,155,023:88:0
742	1	218	04:48:36.133	428JC6B	6RCSET	12		1R3	4	0	6,155,023:89:0
743	1	218	04:49:28.800	117DB	**CSMOS**	GS	***** GROUP START CSMOS	1R3	4	0	6,155,024:77:0
744	1	218	04:49:30.800	175DB422A6A	6DMSC	R28,3	DMS Control	1R3	4	0	6,155,024:80:0
745	1	218	04:49:30.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1438.52 +/-	1R3	4	0	6,155,024:80:0
746	1	218	04:49:32.000		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *1438.58 +/-	1R3	4	0	6,155,024:81:8
747	1	218	04:49:36.000		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *1440.08 +/-	1R3	4	0	6,155,024:87:8
748	1	218	04:49:36.000		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 1440.08 +/-	1R3	4	0	6,155,024:87:8
749	1	218	04:49:36.133	175DB176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	1R3	4	0	6,155,024:88:0
750	**1**	**218**	**04:49:36.800**	**31INHSISUM01-**	**NIMPBK**	**301DB**	**IO ISUM OBSERVATION**	**1R3**	**4**	**0**	**: :**
751	1	218	04:49:36.800	165DB4B	7VECT		Inert vect update UTC	1R3	4	0	6,155,024:89:0
752	1	218	04:49:38.133	117DB105A106A4A	**7STRP**	**0.0093,-0.0011,0**	**Slew =,0.04**	1R3	4	0	6,155,025:00:0
753	**1**	**218**	**04:50:28.133**	**31INHSISUM01-**	**NIMPBK**	**301DO**	**IO ISUM OBSERVATION**	**1R3**	**4**	**0**	**: :**
754	1	218	04:51:00.133	481UB4A	7VECT	BB2	Inert vect update UTC	1R3	4	0	6,155,026:32:0
755	1	218	04:51:36.133	428JD6A	6RCCLR			1R3	4	0	6,155,026:86:0
756	1	218	04:51:36.800	428JD6B	6RCSET	8		1R3	4	0	6,155,026:87:0
757	**1**	**218**	**04:53:32.800**	**31INHSISUM01-**	**DESELC**	**300DB**	**IO ISUM OBSERVATION**	**1R3**	**4**	**0**	**: :**
758	**1**	**218**	**04:53:32.800**	**31INHSISUM01-**	**DESELC**	**300DO**	**IO ISUM OBSERVATION**	**1R3**	**4**	**0**	**: :**
759	1	218	04:53:36.800	117DB11A	**CSMOS**	GE	***** GROUP END CSMOS	1R3	4	0	6,155,028:85:0
760	1	218	04:53:36.800		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *1651.72 +/-	1R3	4	0	6,155,028:85:0
761	1	218	04:53:36.800	175TC422A6A	6DMSC	R7,3	DMS Control	1R3	4	0	6,155,028:85:0
762	1	218	04:53:38.000		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *1652.02 +/-	1R3	4	0	6,155,028:86:8
763	1	218	04:53:39.400		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1652.14 +/-	1R3	4	0	6,155,028:88:9
764	1	218	04:53:39.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1652.14 +/-	1R3	4	0	6,155,028:88:9
765	1	218	04:53:39.466	175TC176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	1R3	4	0	6,155,028:89:0
766	1	218	04:53:40.133	165GG4A	7SCAN	NORM,209.953999,	Check S/P Position	1R3	4	0	6,155,028:90:0
767	**1**	**218**	**04:53:42.133**	**31INHSISUM01-**		**-----STOP-------**		**1R3**	**4**	**0**	**: :**
768	**1**	**218**	**04:54:45.466**	**31NNSO2MAP01-**		**-----START------**		**1R3**	**4**	**0**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	1	218	04:54:49.466	20DC5A	37PL		Program Load (halts microprocessor & unwri		4	0	6,155,030:12:0	
770	1	218	04:54:56.133	20DC5B	37MRL		Memory Realocate (software operates from R		4	0	6,155,030:22:0	
771	1	218	04:55:09.466	20DC6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	6,155,030:42:0	
772	1	218	04:55:19.466	20DC6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	6,155,030:57:0	
773	1	218	04:55:29.466	20DC5C	37IRT		Instrument Reset (goes into POR state)		4	0	6,155,030:72:0	
774	1	218	04:55:32.800	20DC5D	37MN		Memory Normal (software operates from ROM)	260	4	0	6,155,030:77:0	
775	1	218	04:55:57.466	20DC4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,155,031:23:0	
776	1	218	04:56:54.133	428JE6A	6RCCLR			2R0	4	0	6,155,032:17:0	
777	1	218	04:56:54.800	428JE6B	6RCSET	12		2R0	4	0	6,155,032:18:0	
778	1	218	04:56:58.133	20DC4B	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	6,155,032:23:0	
779	1	218	04:56:58.800	20DC4C	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	6,155,032:24:0	
780	1	218	04:57:45.466	31NNSO2MAP01-		-----STOP-------		2R3	4	0	: :	
781	1	218	04:57:58.800	20DC4D	37IST	0,2,0,OFF,0,1,3	Gain State 1	1R3	4	0	6,155,033:23:0	
782	1	218	04:59:45.466	31INTVASHT02+		-----START------		1R3	4	0	: :	
783	1	218	04:59:46.133	165IA4A	7SCAN	NORM,81.535999,-	Check S/P Position	1R3	4	0	6,155,035:02:0	
784	1	218	05:00:46.133	118IA	SMOS	GS		1R3	4	0	6,155,036:01:0	
785	1	218	05:00:50.800		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *1753.25 +/-	1R3	4	0	6,155,036:08:0	
786	1	218	05:00:50.800	175IA422A6A	6DMSC	R403,3	DMS Control	1R3	4	0	6,155,036:08:0	
787	1	218	05:00:52.000		DMS:	: *RUNUP	R403, TRACK 3, FWD, TIC *1753.31 +/-	1R3	4	0	6,155,036:09:8	
788	1	218	05:00:52.800	165IA4B	7VECT		Inert vect update UTC	1R3	4	0	6,155,036:11:0	
789	1	218	05:00:55.466	175IA176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	1R3	4	0	6,155,036:15:0	
790	1	218	05:00:55.866		DMS:	: *RECORD	R403, TRACK 3, FWD, TIC *1776.31 +/-	1R3	4	0	6,155,036:15:6	
791	1	218	05:00:55.866		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 1776.31 +/-	1R3	4	0	6,155,036:15:6	
792	1	218	05:00:56.133	118IA110A111A4A	7STRP	-0.002,0.0068,26	Slew =6,3.3	1R3	4	0	6,155,036:16:0	
793	1	218	05:01:21.466	428JF6A	6RCCLR			1R3	4	0	6,155,036:54:0	
794	1	218	05:01:22.133	428JF6B	6RCSET	11		1R3	4	0	6,155,036:55:0	
795	1	218	05:01:33.466	31INSO2MAP01-		-----START------		1R3	4	0	: :	
796	1	218	05:01:38.800	20DC4E	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R3	4	0	6,155,036:80:0	
797	1	218	05:01:39.466	118IA11A	SMOS	GE		2R3	4	0	6,155,036:81:0	
798	1	218	05:01:42.133	165DC4A	7SCAN	NORM,40.837,7.13	Check S/P Position	2R3	4	0	6,155,036:85:0	
799	1	218	05:01:46.133		DMS:	: *RUNDOWN	R403, TRACK 3, FWD, TIC *2394.82 +/-	2R3	4	0	6,155,037:00:0	
800	1	218	05:01:46.133	175TD422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	6,155,037:00:0	
801	1	218	05:01:48.866		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2398.82 +/-	2R3	4	0	6,155,037:04:1	
802	1	218	05:01:50.133	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,155,037:06:0	
803	1	218	05:01:50.266		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *2398.94 +/-	2R3	4	0	6,155,037:06:2	
804	1	218	05:01:50.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2398.94 +/-	2R3	4	0	6,155,037:06:2	
805	1	218	05:01:51.466	31INTVASHT02+		-----STOP-------		2R3	4	0	: :	
806	1	218	05:02:12.133	428JG6A	6RCCLR			2R3	4	0	6,155,037:39:0	
807	1	218	05:02:12.800	428JG6B	6RCSET	12		2R3	4	0	6,155,037:40:0	
808	1	218	05:02:37.466	117DC	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	6,155,037:77:0	
809	1	218	05:02:39.466	175DC422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	6,155,037:80:0	
810	1	218	05:02:39.466		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *2410.47 +/-	2R3	4	0	6,155,037:80:0	
811	1	218	05:02:40.666		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *2410.53 +/-	2R3	4	0	6,155,037:81:8	
812	1	218	05:02:44.666		DMS:	: *RECORD	R28, TRACK 3, FWD, TIC *2412.03 +/-	2R3	4	0	6,155,037:87:8	
813	1	218	05:02:44.666		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 2412.03 +/-	2R3	4	0	6,155,037:87:8	
814	1	218	05:02:44.800	175DC176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	6,155,037:88:0	
815	1	218	05:02:45.466	165DC4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,037:89:0	
816	1	218	05:02:45.466	31INSO2MAP01-	NIMPBK	301DC	IO SO2 MAP OBSERVATION	2R3	4	0	: :	
817	1	218	05:02:46.800	117DC105A106A4A	7STRP	-0.002,0.0,0,0,0	Slew =,0.06	2R3	4	0	6,155,038:00:0	
818	1	218	05:03:22.133	117DC11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	6,155,038:53:0	
819	1	218	05:03:24.133	165EC4A	7SCAN	NORM,210.651999,	Check S/P Position	2R3	4	0	6,155,038:56:0	
820	1	218	05:03:25.466	31INSO2MAP01-	DESELC	300DC	IO SO2 MAP OBSERVATION	2R3	4	0	: :	
821	1	218	05:05:14.800	428JH6A	6RCCLR			2R3	4	0	6,155,040:40:0	
822	1	218	05:05:15.466	428JH6B	6RCSET	8		2R3	4	0	6,155,040:41:0	
823	1	218	05:06:00.133	481UC4A	7VECT		Inert vect update UTC	2R3	4	0	6,155,041:17:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM MF I
824	1	218	05:06:09.466	165ED4A	7SCAN	NORM,70.099999,-		Check S/P Position	2R3	4	0	6,155,041:31:0
825	1	218	05:07:45.466	175TE422A6A	6DMSC	R7,3		DMS Control	2R3	4	0	6,155,042:84:0
826	1	218	05:07:45.466		DMS:	**: *RUNDOWN**		R28, TRACK 3, FWD, TIC *2676.41 +/-	2R3	4	0	6,155,042:84:0
827	1	218	05:07:46.666		DMS:	: *RUNUP		R7, TRACK 3, FWD, TIC *2676.71 +/-	2R3	4	0	6,155,042:85:8
828	1	218	05:07:48.066		DMS:	: *AT_SPD		R7, TRACK 3, FWD, TIC 2676.83 +/-	2R3	4	0	6,155,042:87:9
829	1	218	05:07:48.066		DMS:	**: *RECORD**		R7, TRACK 3, FWD, TIC *2676.83 +/-	2R3	4	0	6,155,042:87:9
830	1	218	05:07:48.133	175TE176A6A	6TMREC	**LPW**		7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,155,042:88:0
831	**1**	**218**	**05:07:50.800**	**31INSO2MAP01-**		**-----STOP-------**			**2R3**	**4**	**0**	**: :**
832	1	218	05:07:56.800	165IB4A	7SCAN	NORM,79.599,0.13		Check S/P Position	2R3	4	0	6,155,043:10:0
833	1	218	05:08:49.466	428JI6A	6RCCLR				2R3	4	0	6,155,043:89:0
834	1	218	05:08:50.133	428JI6B	6RCSET		14		2R3	4	0	6,155,043:90:0
835	**1**	**218**	**05:09:06.800**	**31NNTVASHT01-**		**-----START------**			**2R3**	**4**	**0**	**: :**
836	**1**	**218**	**05:09:11.466**	**20DD5A**	**37PL**			**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,155,044:31:0**
837	**1**	**218**	**05:09:14.800**	**20DD5B**	**37MRL**			**Memory Realocate (software operates from R**		**4**	**0**	**6,155,044:36:0**
838	**1**	**218**	**05:09:18.133**	**20DD6A**	**6MCOPY**	**NIMS**		**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,155,044:41:0**
839	**1**	**218**	**05:09:28.133**	**20DD6B**	**6MCOPY**	**NIMS**		**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,155,044:56:0**
840	**1**	**218**	**05:09:38.133**	**20DD5C**	**37IRT**			**Instrument Reset (goes into POR state)**		**4**	**0**	**6,155,044:71:0**
841	**1**	**218**	**05:09:41.466**	**20DD5D**	**37MN**			**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,155,044:76:0**
842	1	218	05:09:43.466	118IB	**SMOS**	GS			260	4	0	6,155,044:79:0
843	**1**	**218**	**05:09:44.800**	**20DD4A**	**37IST**	**1,2,0,OFF,0,0,0**		**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,155,044:81:0**
844	1	218	05:09:46.800		DMS:	**: *RUNDOWN**		R7, TRACK 3, FWD, TIC *2704.66 +/-	2R0	4	0	6,155,044:84:0
845	1	218	05:09:46.800	175IB422A6A	6DMSC	R806,3		DMS Control	2R0	4	0	6,155,044:84:0
846	1	218	05:09:48.000		DMS:	: *RUNUP		R806, TRACK 3, FWD, TIC *2704.72 +/-	2R0	4	0	6,155,044:85:8
847	1	218	05:09:50.133	165IB4B	7VECT			Inert vect update UTC	2R0	4	0	6,155,044:89:0
848	1	218	05:09:52.800	175IB176A6A	6TMREC	**IM8**		806.4 KBPS IMAGE RECORD Record Mode Chang	2R0	4	0	6,155,045:02:0
849	1	218	05:09:53.266		DMS:	**: *RECORD**		R806, TRACK 3, FWD, TIC *2770.72 +/-	2R0	4	0	6,155,045:02:7
850	1	218	05:09:53.266		DMS:	: *AT_SPD		R806, TRACK 3, FWD, TIC 2770.72 +/- 1	2R0	4	0	6,155,045:02:7
851	1	218	05:09:53.466	118IB110A111A4A	7STRP	0.007,0.0045,26,		Slew =,3.01	2R0	4	0	6,155,045:03:0
852	1	218	05:10:18.800	428JJ6A	6RCCLR				2R0	4	0	6,155,045:41:0
853	1	218	05:10:19.466	428JJ6B	6RCSET		11		2R0	4	0	6,155,045:42:0
854	1	218	05:10:36.800	118IB11A	**SMOS**	GE			2R0	4	0	6,155,045:68:0
855	1	218	05:10:40.800		DMS:	**: *RUNDOWN**		R806, TRACK 3, FWD, TIC *3940.48 +/- 1	2R0	4	0	6,155,045:74:0
856	1	218	05:10:40.800	175TF422A6A	6DMSC	R7,3		DMS Control	2R0	4	0	6,155,045:74:0
857	**1**	**218**	**05:10:41.466**	**31INTVASHT03+**		**-----START------**			**2R0**	**4**	**0**	**: :**
858	1	218	05:10:42.133	165IC4A	**7SCAN**	**NORM,58.619,23.3**		**Check S/P Position**	2R0	4	0	6,155,045:76:0
859	1	218	05:10:43.533		DMS:	: *RUNUP		R7, TRACK 3, FWD, TIC *3951.98 +/- 1	2R0	4	0	6,155,045:78:1
860	1	218	05:10:44.800	175TF176A6A	6TMREC	**LPW**		7.68 KBPS LOW RATE SCI PWS RECORD Record	2R0	4	0	6,155,045:80:0
861	1	218	05:10:44.933		DMS:	: *AT_SPD		R7, TRACK 3, FWD, TIC 3952.10 +/- 1	2R0	4	0	6,155,045:80:2
862	1	218	05:10:44.933		DMS:	**: *RECORD**		R7, TRACK 3, FWD, TIC *3952.10 +/- 1	2R0	4	0	6,155,045:80:2
863	**1**	**218**	**05:10:45.466**	**20DD4B**	**37IST**	**0,2,0,OFF,0,1,0**		**Gain State 2**	**2R0**	**4**	**0**	**6,155,045:81:0**
864	1	218	05:11:28.800	428JK6A	6RCCLR				2R0	4	0	6,155,046:55:0
865	1	218	05:11:29.466	428JK6B	6RCSET		14		2R0	4	0	6,155,046:56:0
866	**1**	**218**	**05:11:45.466**	**20DD4C**	**37IOP**	**3,0**		**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**6,155,046:80:0**
867	**1**	**218**	**05:11:46.133**	**20DD4D**	**37ETB**	**04,C4,35,FF,FF**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**6,155,046:81:0**
868	1	218	05:11:56.800	118IC	**SMOS**	GS			2R3	4	0	6,155,047:06:0
869	1	218	05:12:05.466		DMS:	**: *RUNDOWN**		R7, TRACK 3, FWD, TIC *3970.98 +/- 1	2R3	4	0	6,155,047:19:0
870	1	218	05:12:05.466	175IC422A6A	6DMSC	R806,3		DMS Control	2R3	4	0	6,155,047:19:0
871	1	218	05:12:06.666		DMS:	: *RUNUP		R806, TRACK 3, FWD, TIC *3971.04 +/- 1	2R3	4	0	6,155,047:20:8
872	**1**	**218**	**05:12:06.800**	**31NNTVASHT01-**		**-----STOP-------**			**2R3**	**4**	**0**	**: :**
873	1	218	05:12:08.800	165IC4B	7VECT			Inert vect update UTC	2R3	4	0	6,155,047:24:0
874	1	218	05:12:11.466	175IC176A6A	6TMREC	**IM8**		806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,155,047:28:0
875	1	218	05:12:11.933		DMS:	: *AT_SPD		R806, TRACK 3, FWD, TIC 4037.04 +/- 1	2R3	4	0	6,155,047:28:7
876	1	218	05:12:11.933		DMS:	**: *RECORD**		R806, TRACK 3, FWD, TIC *4037.04 +/- 1	2R3	4	0	6,155,047:28:7
877	1	218	05:12:12.133	118IC110A111A4A	**7STRP**	**-0.00694,-0.0013**		**Slew =,3.51**	2R3	4	0	6,155,047:29:0
878	**1**	**218**	**05:12:16.133**	**31INTVASHT03+**	**NIMPBK**	**301DM**		**IO TVASHTAR R OBSERVATION**	**2R3**	**4**	**0**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	1	218	05:12:37.466	428JL6A	6RCCLR			2R3	4	0	6,155,047:67:0	
880	1	218	05:12:38.133	428JL6B	6RCSET	11		2R3	4	0	6,155,047:68:0	
881	1	218	05:12:55.466	118IC11A	**SMOS**	GE		2R3	4	0	6,155,048:03:0	
882	**1**	**218**	**05:13:00.133**	**31INTVASHT03+**	**DESELC**	**300DM**	**IO TVASHTAR R OBSERVATION**	**2R3**	**4**	**0**	**: :**	
883	1	218	05:13:02.133		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *5272.43 +/- 1	2R3	4	0	6,155,048:13:0	
884	1	218	05:13:02.133	175TG422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	6,155,048:13:0	
885	1	218	05:13:04.866		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5283.93 +/- 1	2R3	4	0	6,155,048:17:1	
886	1	218	05:13:06.133	175TG176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,155,048:19:0	
887	1	218	05:13:06.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5284.05 +/- 1	2R3	4	0	6,155,048:19:2	
888	1	218	05:13:06.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5284.05 +/- 1	2R3	4	0	6,155,048:19:2	
889	**1**	**218**	**05:13:07.466**	**31INTVASHT03+**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
890	**1**	**218**	**05:13:52.800**	**31INTVASHT01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
891	1	218	05:13:53.466	165DD4A	**7SCAN**	**NORM,58.479,24.3**	**Check S/P Position**	2R3	4	0	6,155,048:90:0	
892	1	218	05:13:58.133	428JM6A	6RCCLR			2R3	4	0	6,155,049:06:0	
893	1	218	05:13:58.800	428JM6B	6RCSET	12		2R3	4	0	6,155,049:07:0	
894	1	218	05:14:45.466	117DD	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	6,155,049:77:0	
895	1	218	05:14:47.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5307.77 +/- 1	2R3	4	0	6,155,049:80:0	
896	1	218	05:14:47.466	175DD422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	6,155,049:80:0	
897	1	218	05:14:48.666		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *5307.83 +/- 1	2R3	4	0	6,155,049:81:8	
898	1	218	05:14:52.666		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 5309.33 +/- 1	2R3	4	0	6,155,049:87:8	
899	1	218	05:14:52.666		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *5309.33 +/- 1	2R3	4	0	6,155,049:87:8	
900	1	218	05:14:52.800	175DD176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	6,155,049:88:0	
901	1	218	05:14:53.466	165DD4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,049:89:0	
902	**1**	**218**	**05:14:53.466**	**31INTVASHT01-**	**NIMPBK**	**301DD**	**IO TVASHTAR OBSERVATION**	**2R3**	**4**	**0**	**: :**	
903	1	218	05:14:54.800	117DD105A106A4A	**7STRP**	**-0.017902,-0.006**	**Slew =,0.03**	2R3	4	0	6,155,050:00:0	
904	**1**	**218**	**05:16:36.800**	**31INTVASHT01-**	**NIMPBK**	**301DX**	**IO TVASHTAR OBSERVATION**	**2R3**	**4**	**0**	**: :**	
905	**1**	**218**	**05:18:52.133**	**31INTVASHT01-**	**DESELC**	**300DX**	**IO TVASHTAR OBSERVATION**	**2R3**	**4**	**0**	**: :**	
906	**1**	**218**	**05:19:30.133**	**31INTVASHT01-**	**NIMPBK**	**301DI**	**IO TVASHTAR OBSERVATION**	**2R3**	**4**	**0**	**: :**	
907	**1**	**218**	**05:19:46.133**	**31INTVASHT01-**	**DESELC**	**300DI**	**IO TVASHTAR OBSERVATION**	**2R3**	**4**	**0**	**: :**	
908	1	218	05:19:50.800	428JN6A	6RCCLR			2R3	4	0	6,155,054:80:0	
909	1	218	05:19:51.466	428JN6B	6RCSET	8		2R3	4	0	6,155,054:81:0	
910	**1**	**218**	**05:24:46.800**	**31INTVASHT01-**	**DESELC**	**300DD**	**IO TVASHTAR OBSERVATION**	**2R3**	**4**	**0**	**: :**	
911	1	218	05:24:48.800	175TH422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	6,155,059:72:0	
912	1	218	05:24:48.800		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *5833.27 +/- 1	2R3	4	0	6,155,059:72:0	
913	1	218	05:24:50.000		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5833.57 +/- 1	2R3	4	0	6,155,059:73:8	
914	1	218	05:24:51.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5833.69 +/- 1	2R3	4	0	6,155,059:75:9	
915	1	218	05:24:51.400		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5833.69 +/- 1	2R3	4	0	6,155,059:75:9	
916	1	218	05:24:51.466	175TH176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,155,059:76:0	
917	**1**	**218**	**05:24:57.466**	**31INTVASHT01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
918	1	218	05:24:57.466	117DD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	6,155,059:85:0	
919	1	218	05:28:03.466	432JD6A	6RTSL1		R/T Select of DDS and	2R3	4	0	6,155,063:00:0	
920	1	218	05:29:06.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5893.40 +/- 1	2R3	4	0	6,155,064:03:0	
921	1	218	05:29:06.133	432OA431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	6,155,064:03:0	
922	1	218	05:29:06.133	175TH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,064:03:0	
923	1	218	05:29:06.800	432OA6A	6RTSL1		R/T Select of DDS and	2R3	4	0	6,155,064:04:0	
924	1	218	05:29:07.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5893.46 +/- 1	2R3	4	0	6,155,064:04:8	
925	1	218	05:29:10.133	282NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	6,155,064:09:0	
926	1	218	05:29:58.800	282NB432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	6,155,064:82:0	
927	1	218	05:29:59.466	282NB432A6A	6RTSL1		R/T Select of DDS and	2R3	4	0	6,155,064:83:0	
928	1	218	05:30:08.800	428JO6A	6RCCLR			2R3	4	0	6,155,065:06:0	
929	1	218	05:30:44.133	165ID4A	7SCAN	NORM,57.794,25.1	Check S/P Position	2R3	4	0	6,155,065:59:0	
930	1	218	05:31:05.466		DMS:	: READY	RDY, TRACK *4, *REV, TIC 5893.46 +/- 1	2R3	4	0	6,155,066:00:0	
931	1	218	05:31:05.466	465KC6A	6DMSC	RDY,4	DMS Control Tape stop	2R3	4	0	6,155,066:00:0	
932	1	218	05:32:10.133	118ID	**SMOS**	GS		2R3	4	0	6,155,067:06:0	
933	1	218	05:32:20.800	175ID422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	6,155,067:22:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	1	218	05:32:20.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5893.46 +/- 1	2R3	4	0	6,155,067:22:0	
935	1	218	05:32:22.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5893.58 +/- 1	2R3	4	0	6,155,067:24:1	
936	1	218	05:32:27.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5894.81 +/- 1	2R3	4	0	6,155,067:32:0	
937	1	218	05:32:28.666		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *5894.87 +/- 1	2R3	4	0	6,155,067:33:8	
938	1	218	05:32:30.800	165ID4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,067:37:0	
939	1	218	05:32:33.466	175ID176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,155,067:41:0	
940	1	218	05:32:33.933		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *5828.87 +/- 1	2R3	4	0	6,155,067:41:7	
941	1	218	05:32:33.933		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 5828.87 +/- 2	2R3	4	0	6,155,067:41:7	
942	1	218	05:32:34.133	118ID110A111A4A	7STRP	0.0,0.0073,26,0,	Slew =2,4.5	2R3	4	0	6,155,067:42:0	
943	1	218	05:32:42.800	118ID110A111A4B	7STRP	0.0073,-0.0073,0	Slew =0,4.5	2R3	4	0	6,155,067:55:0	
944	1	218	05:32:51.466	118ID110A111A4C	7STRP	0.0,0.0073,26,0,	Slew =2,4.5	2R3	4	0	6,155,067:68:0	
945	1	218	05:33:00.133	118ID110A111A4D	7STRP	0.0073,-0.0073,0	Slew =0,4.5	2R3	4	0	6,155,067:81:0	
946	1	218	05:33:08.800	118ID110A111A4E	7STRP	0.0,0.0073,26,0,	Slew =2,4.5	2R3	4	0	6,155,068:03:0	
947	1	218	05:33:17.466	118ID110A111A4F	7STRP	0.0073,-0.0073,0	Slew =0,4.5	2R3	4	0	6,155,068:16:0	
948	1	218	05:33:26.133	118ID110A111A4G	7STRP	0.0,0.0073,26,0,	Slew =2,4.5	2R3	4	0	6,155,068:29:0	
949	1	218	05:33:34.800	118ID11A	**SMOS**	GE		2R3	4	0	6,155,068:42:0	
950	**1**	**218**	**05:33:37.466**	**31INAMRANI02+**		**-----START------**		**2R3**	**4**	**0**	**: :**	
951	1	218	05:33:37.466	175ID422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,068:46:0	
952	1	218	05:33:37.466		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *4265.35 +/- 2	2R3	4	0	6,155,068:46:0	
953	1	218	05:33:38.133	165IE4A	**7SCAN**	**NORM,60.218,22.5**	**Check S/P Position**	2R3	4	0	6,155,068:47:0	
954	1	218	05:33:40.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4253.85 +/- 2	2R3	4	0	6,155,068:50:1	
955	1	218	05:34:11.466	118IE	**SMOS**	GS		2R3	4	0	6,155,069:06:0	
956	1	218	05:34:48.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4253.85 +/- 2	2R3	4	0	6,155,069:61:0	
957	1	218	05:34:48.133	175IE422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	6,155,069:61:0	
958	1	218	05:34:49.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4253.97 +/- 2	2R3	4	0	6,155,069:63:1	
959	1	218	05:34:54.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4255.21 +/- 2	2R3	4	0	6,155,069:71:0	
960	1	218	05:34:56.000		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *4255.27 +/- 2	2R3	4	0	6,155,069:72:8	
961	1	218	05:34:58.133	165IE4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,069:76:0	
962	1	218	05:35:00.800	175IE176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,155,069:80:0	
963	1	218	05:35:01.266		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 4189.27 +/- 2	2R3	4	0	6,155,069:80:7	
964	1	218	05:35:01.266		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *4189.27 +/- 2	2R3	4	0	6,155,069:80:7	
965	1	218	05:35:01.466	118IE110A111A4A	7STRP	-0.0073,0.0,26,0	Slew =,3.71	2R3	4	0	6,155,069:81:0	
966	**1**	**218**	**05:35:07.466**	**31INAMRANI02+**	**NIMPBK**	**301DW**	**IO AMIRANI R OBSERVATION**	**2R3**	**4**	**0**	**: :**	
967	1	218	05:35:18.800	118IE11A	**SMOS**	GE		2R3	4	0	6,155,070:16:0	
968	1	218	05:35:18.800	116IE4A	**7STRP**	**-0.00406,0.0073,**	**Slew =0,4.4**	2R3	4	0	6,155,070:16:0	
969	1	218	05:35:27.466	116JE4A	**7STRP**	**-0.00406,0.0073,**	**Slew =0,4.4**	2R3	4	0	6,155,070:29:0	
970	1	218	05:35:36.133	116JF4A	**7STRP**	**-0.00406,0.0073,**	**Slew =0,4.4**	2R3	4	0	6,155,070:42:0	
971	1	218	05:35:48.133	165IF4A	7SCAN	NORM,57.963,17.9	Check S/P Position	2R3	4	0	6,155,070:60:0	
972	**1**	**218**	**05:35:50.800**	**31INAMRANI02+**	**DESELC**	**300DW**	**IO AMIRANI R OBSERVATION**	**2R3**	**4**	**0**	**: :**	
973	1	218	05:35:51.466		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *2953.88 +/- 2	2R3	4	0	6,155,070:65:0	
974	1	218	05:35:51.466	175IE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,070:65:0	
975	1	218	05:35:54.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2942.38 +/- 2	2R3	4	0	6,155,070:69:1	
976	**1**	**218**	**05:35:56.800**	**31INAMRANI02+**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
977	**1**	**218**	**05:36:24.800**	**31NNGISHBR01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
978	**1**	**218**	**05:36:29.466**	**20DE5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,155,071:31:0**	
979	**1**	**218**	**05:36:32.800**	**20DE5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,155,071:36:0**	
980	**1**	**218**	**05:36:36.133**	**20DE6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,155,071:41:0**	
981	**1**	**218**	**05:36:46.133**	**20DE6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,155,071:56:0**	
982	**1**	**218**	**05:36:56.133**	**20DE5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,155,071:71:0**	
983	1	218	05:36:58.133	175IF422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb		4	0	6,155,071:74:0	
984	1	218	05:36:58.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2942.38 +/- 2		4	0	6,155,071:74:0	
985	**1**	**218**	**05:36:59.466**	**20DE5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,155,071:76:0**	
986	1	218	05:36:59.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2942.50 +/- 2	260	4	0	6,155,071:76:1	
987	**1**	**218**	**05:37:02.800**	**20DE4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,155,071:81:0**	
988	1	218	05:37:04.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2943.73 +/- 2	2R0	4	0	6,155,071:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
989	1	218	05:37:06.000		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *2943.79 +/- 2	2R0	4	0	6,155,071:85:8
990	1	218	05:37:08.133	165IF4B	7VECT		Inert vect update UTC	2R0	4	0	6,155,071:89:0
991	1	218	05:37:10.800	175IF176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R0	4	0	6,155,072:02:0
992	1	218	05:37:11.266		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 2877.79 +/- 3	2R0	4	0	6,155,072:02:7
993	1	218	05:37:11.266		DMS:	: *RECORD	R806, TRACK 4, REV, TIC *2877.79 +/- 2	2R0	4	0	6,155,072:02:7
994	1	218	05:37:44.133	175IF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	6,155,072:52:0
995	1	218	05:37:44.133		DMS:	: *RUNDOWN	R806, TRACK 4, REV, TIC *2068.96 +/- 3	2R0	4	0	6,155,072:52:0
996	1	218	05:37:46.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2057.46 +/- 3	2R0	4	0	6,155,072:56:1
997	1	218	05:38:38.133	165DE4A	7SCAN	NORM,56.165,22.3	Check S/P Position	2R0	4	0	6,155,073:42:0
998	1	218	05:38:58.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2057.46 +/- 3	2R0	4	0	6,155,073:73:0
999	1	218	05:38:58.800	175DE422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R0	4	0	6,155,073:73:0
1000	1	218	05:39:00.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2057.58 +/- 3	2R0	4	0	6,155,073:75:1
1001	1	218	05:39:01.466	117DE	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	6,155,073:77:0
1002	1	218	05:39:05.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2058.82 +/- 3	2R0	4	0	6,155,073:83:0
1003	1	218	05:39:06.133	31INGISHBR01-		-----START------		2R0	4	0	: :
1004	1	218	05:39:06.133	127DE	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	6,155,073:84:0
1005	1	218	05:39:06.133	127DE4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	6,155,073:84:0
1006	1	218	05:39:06.666		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *2058.88 +/- 3	2R3	4	0	6,155,073:84:8
1007	1	218	05:39:06.800	127DE4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	6,155,073:85:0
1008	1	218	05:39:09.466	165DE4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,073:89:0
1009	1	218	05:39:10.133	175DE176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	6,155,073:90:0
1010	1	218	05:39:10.666		DMS:	: *RECORD	R28, TRACK 4, REV, TIC *2057.38 +/- 3	2R3	4	0	6,155,073:90:8
1011	1	218	05:39:10.666		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 2057.38 +/- 3	2R3	4	0	6,155,073:90:8
1012	1	218	05:39:10.800	117DE105A106A4A	7STRP	-0.014201,-0.001	Slew =,0.03	2R3	4	0	6,155,074:00:0
1013	1	218	05:39:10.800	31INGISHBR01-	NIMPBK	301DE	IO GISHBR OBSERVATION	2R3	4	0	: :
1014	1	218	05:39:14.800	127DE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,155,074:06:0
1015	1	218	05:39:24.800	31NNGISHBR01-		-----STOP-------		2R3	4	0	: :
1016	1	218	05:47:08.133	31INGISHBR01-	DESELC	300DE	IO GISHBAR OBSERVATION	2R3	4	0	: :
1017	1	218	05:47:08.133	117DE105A106A4B	7STRP	0.014301,-0.005,	Slew =12.01	2R3	4	0	6,155,081:79:0
1018	1	218	05:47:14.800	31INGISHBR01-	NIMPBK	301DQ	IO GISHBR OBSERVATION	2R3	4	0	: :
1019	1	218	05:47:20.800	117DE105A106A4C	7STRP	-0.014201,-0.001	Slew =,0.03	2R3	4	0	6,155,082:07:0
1020	1	218	05:55:09.466	31INGISHBR01-	DESELC	300DQ	IO GISHBAR OBSERVATION	2R3	4	0	: :
1021	1	218	05:55:18.133	117DE11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	6,155,089:86:0
1022	1	218	05:55:19.466	175DE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,089:88:0
1023	1	218	05:55:19.466		DMS:	: *RUNDOWN	R28, TRACK 4, REV, TIC *1205.90 +/- 3	2R3	4	0	6,155,089:88:0
1024	1	218	05:55:20.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1205.60 +/- 3	2R3	4	0	6,155,089:89:8
1025	1	218	05:56:21.466	165GI4A	7SCAN	NORM,56.209,27.3	Check S/P Position	2R3	4	0	6,155,090:90:0
1026	1	218	05:56:22.133	176GI6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	6,155,091:00:0
1027	1	218	05:57:13.466	117GI	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	6,155,091:77:0
1028	1	218	05:57:22.800	117GI105A106A4A	7STRP	0.028007,-0.1219	Slew =,0.24	2R3	4	0	6,155,092:00:0
1029	1	218	05:59:24.800	31INGISHBR01-		-----STOP-------		2R3	4	0	: :
1030	1	218	06:08:56.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1205.60 +/- 3	2R3	4	0	6,155,103:40:0
1031	1	218	06:08:56.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,103:40:0
1032	1	218	06:08:58.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1205.72 +/- 3	2R3	4	0	6,155,103:42:1
1033	1	218	06:09:03.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1206.95 +/- 3	2R3	4	0	6,155,103:50:0
1034	1	218	06:09:04.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1207.01 +/- 3	2R3	4	0	6,155,103:51:8
1035	1	218	06:09:06.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1206.89 +/- 3	2R3	4	0	6,155,103:53:9
1036	1	218	06:09:22.133		DMS:	: *RECORD	R7, TRACK 4, REV, TIC *1203.12 +/- 3	2R3	4	0	6,155,103:78:0
1037	1	218	06:09:44.800		DMS:	: *RUNDOWN	R7, TRACK 4, REV, TIC *1197.81 +/- 3	2R3	4	0	6,155,104:21:0
1038	1	218	06:09:44.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,104:21:0
1039	1	218	06:09:46.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1197.75 +/- 3	2R3	4	0	6,155,104:22:8
1040	1	218	06:13:32.800	117GI11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	6,155,107:90:0
1041	1	218	06:14:03.466	176GI6B	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	6,155,108:45:0
1042	1	218	06:14:05.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1197.75 +/- 3	2R3	4	0	6,155,108:48:0
1043	1	218	06:14:05.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,108:48:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1044	1	218	06:14:06.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1197.87 +/- 3	2R3	4	0	6,155,108:50:1
1045	1	218	06:14:12.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1199.11 +/- 3	2R3	4	0	6,155,108:58:0
1046	1	218	06:14:13.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1199.17 +/- 3	2R3	4	0	6,155,108:59:8
1047	1	218	06:14:14.733		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1199.05 +/- 3	2R3	4	0	6,155,108:61:9
1048	1	218	06:14:15.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1198.87 +/- 3	2R3	4	0	6,155,108:63:0
1049	1	218	06:14:29.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,108:84:0
1050	1	218	06:14:29.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1195.59 +/- 3	2R3	4	0	6,155,108:84:0
1051	1	218	06:14:30.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1195.53 +/- 3	2R3	4	0	6,155,108:85:8
1052	**1**	**218**	**06:15:50.800**	**31NNAMRANI01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1053	**1**	**218**	**06:15:55.466**	**20DF5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,155,110:31:0**
1054	**1**	**218**	**06:15:58.800**	**20DF5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,155,110:36:0**
1055	**1**	**218**	**06:16:02.133**	**20DF6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,155,110:41:0**
1056	**1**	**218**	**06:16:12.133**	**20DF6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,155,110:56:0**
1057	**1**	**218**	**06:16:22.133**	**20DF5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,155,110:71:0**
1058	**1**	**218**	**06:16:25.466**	**20DF5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,155,110:76:0**
1059	**1**	**218**	**06:16:28.800**	**20DF4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,155,110:81:0**
1060	1	218	06:16:35.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1195.53 +/- 3	2R0	4	0	6,155,111:00:0
1061	1	218	06:16:35.466	411JC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	6,155,111:00:0
1062	1	218	06:16:36.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1195.65 +/- 3	2R0	4	0	6,155,111:02:1
1063	1	218	06:16:42.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1196.89 +/- 3	2R0	4	0	6,155,111:10:0
1064	1	218	06:16:43.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1196.95 +/- 3	2R0	4	0	6,155,111:11:8
1065	1	218	06:16:44.733		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1196.83 +/- 3	2R0	4	0	6,155,111:13:9
1066	1	218	06:16:44.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1196.83 +/- 3	2R0	4	0	6,155,111:13:9
1067	1	218	06:16:45.466	411JC6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R0	4	0	6,155,111:15:0
1068	**1**	**218**	**06:17:31.466**	**31INAMRANI01-**		**-----START------**		**2R0**	**4**	**0**	**: :**
1069	1	218	06:17:31.466	127DF	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	6,155,111:84:0
1070	**1**	**218**	**06:17:31.466**	**127DF4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**6,155,111:84:0**
1071	**1**	**218**	**06:17:32.133**	**127DF4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**6,155,111:85:0**
1072	1	218	06:17:40.133	127DF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,155,112:06:0
1073	1	218	06:18:36.133	165DF4A	**7SCAN**	**NORM,58.201,25.7**	**Check S/P Position**	2R3	4	0	6,155,112:90:0
1074	1	218	06:18:46.800	411JC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	6,155,113:15:0
1075	1	218	06:18:49.466	175TI176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,155,113:19:0
1076	1	218	06:18:50.133	175TI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,113:20:0
1077	**1**	**218**	**06:18:50.800**	**31NNAMRANI01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1078	1	218	06:18:56.800	175TI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,113:30:0
1079	1	218	06:18:56.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1165.87 +/- 3	2R3	4	0	6,155,113:30:0
1080	1	218	06:18:58.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1165.81 +/- 3	2R3	4	0	6,155,113:31:8
1081	1	218	06:20:17.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1165.81 +/- 3	2R3	4	0	6,155,114:60:0
1082	1	218	06:20:17.466	175DF422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	6,155,114:60:0
1083	1	218	06:20:18.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1165.93 +/- 3	2R3	4	0	6,155,114:62:1
1084	1	218	06:20:24.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1167.17 +/- 3	2R3	4	0	6,155,114:70:0
1085	1	218	06:20:25.333		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *1167.23 +/- 3	2R3	4	0	6,155,114:71:8
1086	1	218	06:20:28.800	175DF176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	6,155,114:77:0
1087	1	218	06:20:28.800	117DF	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	6,155,114:77:0
1088	1	218	06:20:29.333		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 1165.73 +/- 3	2R3	4	0	6,155,114:77:8
1089	1	218	06:20:29.333		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *1165.73 +/- 3	2R3	4	0	6,155,114:77:8
1090	1	218	06:20:36.800	165DF4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,114:89:0
1091	**1**	**218**	**06:20:36.800**	**31INAMRANI01-**	**NIMPBK**	**301EG**	**IO AMIRANI OBSERVATION**	**2R3**	**4**	**0**	**: :**
1092	**1**	**218**	**06:20:36.800**	**31INAMRANI01-**	**NIMPBK**	**301DF**	**IO AMIRANI OBSERVATION**	**2R3**	**4**	**0**	**: :**
1093	1	218	06:20:38.133	117DF105A106A4A	**7STRP**	**-0.00868,-0.002,**	**Slew =,0.03**	2R3	4	0	6,155,115:00:0
1094	1	218	06:21:48.133	20IH6A	6MCOPY	HLM1A,E415,B1A1A	HLM1A,E415,B1A1A,5000,506	2R3	4	0	6,155,116:14:0
1095	1	218	06:25:30.133	117DF105A106A4B	**7STRP**	**0.0039,0.006,0,0**	**Slew =12.01**	2R3	4	0	6,155,119:74:0
1096	1	218	06:25:44.800	117DF105A106A4C	**7STRP**	**-0.00868,-0.002,**	**Slew =,0.03**	2R3	4	0	6,155,120:05:0
1097	1	218	06:30:36.800	117DF105A106B4A	**7STRP**	**0.0066,0.008301,**	**Slew =12.01**	2R3	4	0	6,155,124:79:0
1098	1	218	06:30:52.133	117DF105A106B4B	**7STRP**	**-0.0087,-0.002,0**	**Slew =,0.03**	2R3	4	0	6,155,125:11:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	1	218	06:35:44.133	31INAMRANI01-	DESELC	300DF	IO AMIRANI OBSERVATION	2R3	4	0	: :	
1100	1	218	06:35:44.133	117DF11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	6,155,129:85:0	
1101	1	218	06:35:44.133	31INAMRANI01-	DESELC	300EG	IO AMIRANI OBSERVATION	2R3	4	0	: :	
1102	1	218	06:35:46.800		DMS:	: *RUNDOWN	R28, TRACK 4, REV, TIC * 359.36 +/- 3	2R3	4	0	6,155,129:89:0	
1103	1	218	06:35:46.800	175DF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,129:89:0	
1104	1	218	06:35:48.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 359.06 +/- 3	2R3	4	0	6,155,129:90:8	
1105	1	218	06:36:52.800	31INAMRANI01-		-----STOP-------		2R3	4	0	: :	
1106	1	218	06:36:52.800	118IG	SMOS	GS		2R3	4	0	6,155,131:06:0	
1107	1	218	06:36:56.133	165IG4A	7SCAN	NORM,56.524,22.5	Check S/P Position	2R3	4	0	6,155,131:11:0	
1108	1	218	06:36:56.800		DMS:	: READY	RDY, TRACK *1, *FWD, TIC 359.06 +/- 3	2R3	4	0	6,155,131:12:0	
1109	1	218	06:36:56.800	465KD6A	6DMSC	RDY,1	DMS Control Tape stop	2R3	4	0	6,155,131:12:0	
1110	1	218	06:37:13.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 359.06 +/- 3	2R3	4	0	6,155,131:37:0	
1111	1	218	06:37:13.466	175IG422A6A	6DMSC	R806,1	DMS Control	2R3	4	0	6,155,131:37:0	
1112	1	218	06:37:20.133		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 359.06 +/- 3	2R3	4	0	6,155,131:47:0	
1113	1	218	06:37:22.133	165IG4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,131:50:0	
1114	1	218	06:37:24.800	175IG176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,155,131:54:0	
1115	1	218	06:37:25.400		DMS:	: *RECORD	R806, TRACK 1, FWD, TIC * 425.06 +/- 3	2R3	4	0	6,155,131:54:9	
1116	1	218	06:37:25.400		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 425.06 +/- 3	2R3	4	0	6,155,131:54:9	
1117	1	218	06:37:25.466	118IG110A111A4A	7STRP	-0.0039,0.00285,	Slew =5,2.0	2R3	4	0	6,155,131:55:0	
1118	1	218	06:38:00.133	118IG11A	SMOS	GE		2R3	4	0	6,155,132:16:0	
1119	1	218	06:38:06.800		DMS:	: *RUNDOWN	R806, TRACK 1, FWD, TIC *1443.89 +/- 3	2R3	4	0	6,155,132:26:0	
1120	1	218	06:38:06.800	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,132:26:0	
1121	1	218	06:38:09.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1455.39 +/- 3	2R3	4	0	6,155,132:30:1	
1122	1	218	06:38:13.466	165IH4A	7SCAN	NORM,54.365,24.6	Check S/P Position	2R3	4	0	6,155,132:36:0	
1123	1	218	06:38:54.133	118IH	SMOS	GS		2R3	4	0	6,155,133:06:0	
1124	1	218	06:39:14.800	175IH422A6A	6DMSC	R806,1	DMS Control	2R3	4	0	6,155,133:37:0	
1125	1	218	06:39:14.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1455.39 +/- 3	2R3	4	0	6,155,133:37:0	
1126	1	218	06:39:21.466		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 1455.39 +/- 3	2R3	4	0	6,155,133:47:0	
1127	1	218	06:39:23.466	165IH4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,133:50:0	
1128	1	218	06:39:26.133	175IH176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,155,133:54:0	
1129	1	218	06:39:26.733		DMS:	: *RECORD	R806, TRACK 1, FWD, TIC *1521.39 +/- 3	2R3	4	0	6,155,133:54:9	
1130	1	218	06:39:26.733		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 1521.39 +/- 4	2R3	4	0	6,155,133:54:9	
1131	1	218	06:39:26.800	118IH110A111A4A	7STRP	0.00125,0.0073,2	Slew =4,2.8	2R3	4	0	6,155,133:55:0	
1132	1	218	06:39:52.800	118IH11A	SMOS	GE		2R3	4	0	6,155,134:03:0	
1133	1	218	06:39:54.800	31NNREGION01-		-----START------		2R3	4	0	: :	
1134	1	218	06:39:58.133	165II4A	7SCAN	NORM,54.664,23.8	Check S/P Position	2R3	4	0	6,155,134:11:0	
1135	1	218	06:39:58.133	20DG5A	37PL		Program Load (halts microprocessor & unwri		4	0	6,155,134:11:0	
1136	1	218	06:39:59.466	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop		4	0	6,155,134:13:0	
1137	1	218	06:39:59.466		DMS:	: *RUNDOWN	R806, TRACK 1, FWD, TIC *2326.94 +/- 4		4	0	6,155,134:13:0	
1138	1	218	06:40:02.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2338.44 +/- 4	2R3	4	0	6,155,134:17:1	
1139	1	218	06:40:08.133	20DG5B	37MRL		Memory Realocate (software operates from R		4	0	6,155,134:26:0	
1140	1	218	06:40:18.133	20DG6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	6,155,134:41:0	
1141	1	218	06:40:28.133	20DG6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	6,155,134:56:0	
1142	1	218	06:40:38.133	20DG5C	37IRT		Instrument Reset (goes into POR state)		4	0	6,155,134:71:0	
1143	1	218	06:40:41.466	20DG5D	37MN		Memory Normal (software operates from ROM)	260	4	0	6,155,134:76:0	
1144	1	218	06:40:44.800	20DG4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,155,134:81:0	
1145	1	218	06:40:55.466	118II	SMOS	GS		2R0	4	0	6,155,135:06:0	
1146	1	218	06:41:17.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2338.44 +/- 4	2R0	4	0	6,155,135:39:0	
1147	1	218	06:41:17.466	175II422A6A	6DMSC	R403,1	DMS Control	2R0	4	0	6,155,135:39:0	
1148	1	218	06:41:24.133		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC 2338.44 +/- 4	2R0	4	0	6,155,135:49:0	
1149	1	218	06:41:24.800	165II4B	7VECT		Inert vect update UTC	2R0	4	0	6,155,135:50:0	
1150	1	218	06:41:27.466	175II176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R0	4	0	6,155,135:54:0	
1151	1	218	06:41:28.000		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 2361.44 +/- 4	2R0	4	0	6,155,135:54:8	
1152	1	218	06:41:28.000		DMS:	: *RECORD	R403, TRACK 1, FWD, TIC *2361.44 +/- 4	2R0	4	0	6,155,135:54:8	
1153	1	218	06:41:28.133	118II110A111A4A	7STRP	-0.002,0.0073,26	Slew =,2.61	2R0	4	0	6,155,135:55:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1154	1	218	06:41:36.800	118II11A	**SMOS**	GE		2R0	4	0	6,155,135:68:0
1155	1	218	06:41:39.466	165IJ4A	7SCAN	NORM,59.018,25.7	Check S/P Position	2R0	4	0	6,155,135:72:0
1156	1	218	06:41:43.466	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	6,155,135:78:0
1157	1	218	06:41:43.466		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *2551.75 +/- 4	2R0	4	0	6,155,135:78:0
1158	1	218	06:41:46.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2555.75 +/- 4	2R0	4	0	6,155,135:82:1
1159	1	218	06:41:47.466	127DG	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	6,155,135:84:0
1160	**1**	**218**	**06:41:47.466**	**31INREGION01-**		**-----START------**		**2R0**	**4**	**0**	**: :**
1161	**1**	**218**	**06:41:47.466**	**127DG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**6,155,135:84:0**
1162	**1**	**218**	**06:41:48.133**	**127DG4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**6,155,135:85:0**
1163	1	218	06:41:56.133	127DG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,155,136:06:0
1164	1	218	06:42:56.800	118IJ	**SMOS**	GS		2R3	4	0	6,155,137:06:0
1165	1	218	06:43:18.800	175IJ422A6A	6DMSC	R403,1	DMS Control	2R3	4	0	6,155,137:39:0
1166	1	218	06:43:18.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2555.75 +/- 4	2R3	4	0	6,155,137:39:0
1167	1	218	06:43:25.466		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC 2555.75 +/- 4	2R3	4	0	6,155,137:49:0
1168	1	218	06:43:26.133	165IJ4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,137:50:0
1169	1	218	06:43:28.800	175IJ176A6A	6TMREC	**IM4**	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,155,137:54:0
1170	1	218	06:43:29.333		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 2578.75 +/- 4	2R3	4	0	6,155,137:54:8
1171	1	218	06:43:29.333		DMS:	**: *RECORD**	R403, TRACK 1, FWD, TIC *2578.75 +/- 4	2R3	4	0	6,155,137:54:8
1172	1	218	06:43:29.466	118IJ110A111A4A	7STRP	-0.004,0.0073,26	Slew =5,2.8	2R3	4	0	6,155,137:55:0
1173	1	218	06:44:04.133	118IJ11A	**SMOS**	GE		2R3	4	0	6,155,138:16:0
1174	1	218	06:44:07.466	165IK4A	7SCAN	NORM,58.81,24.06	Check S/P Position	2R3	4	0	6,155,138:21:0
1175	1	218	06:44:10.800		DMS:	**: *RUNDOWN**	R403, TRACK 1, FWD, TIC *3088.98 +/- 4	2R3	4	0	6,155,138:26:0
1176	1	218	06:44:10.800	175IJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,138:26:0
1177	1	218	06:44:13.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3092.98 +/- 5	2R3	4	0	6,155,138:30:1
1178	1	218	06:44:58.133	118IK	**SMOS**	GS		2R3	4	0	6,155,139:06:0
1179	1	218	06:45:18.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3092.98 +/- 5	2R3	4	0	6,155,139:37:0
1180	1	218	06:45:18.800	175IK422A6A	6DMSC	R806,1	DMS Control	2R3	4	0	6,155,139:37:0
1181	1	218	06:45:25.466		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 3092.98 +/- 5	2R3	4	0	6,155,139:47:0
1182	1	218	06:45:27.466	165IK4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,139:50:0
1183	1	218	06:45:30.133	175IK176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,155,139:54:0
1184	1	218	06:45:30.733		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 3158.98 +/- 5	2R3	4	0	6,155,139:54:9
1185	1	218	06:45:30.733		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *3158.98 +/- 5	2R3	4	0	6,155,139:54:9
1186	1	218	06:45:30.800	118IK110A111A4A	7STRP	0.00225,0.00731,	Slew =4,2.8	2R3	4	0	6,155,139:55:0
1187	1	218	06:45:56.800	118IK11A	**SMOS**	GE		2R3	4	0	6,155,140:03:0
1188	1	218	06:46:03.466		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *3964.53 +/- 5	2R3	4	0	6,155,140:13:0
1189	1	218	06:46:03.466	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,140:13:0
1190	1	218	06:46:06.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *3976.03 +/- 5	2R3	4	0	6,155,140:17:1
1191	1	218	06:49:56.800	165DG4A	**7SCAN**	**NORM,57.558,27.5**	**Check S/P Position**	2R3	4	0	6,155,143:90:0
1192	1	218	06:50:46.800	175DG422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	6,155,144:74:0
1193	1	218	06:50:46.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3976.03 +/- 5	2R3	4	0	6,155,144:74:0
1194	1	218	06:50:48.800	117DG	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	6,155,144:77:0
1195	1	218	06:50:53.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 3976.03 +/- 5	2R3	4	0	6,155,144:84:0
1196	1	218	06:50:54.800	175DG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	6,155,144:86:0
1197	1	218	06:50:54.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3976.15 +/- 5	2R3	4	0	6,155,144:86:1
1198	1	218	06:50:54.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3976.15 +/- 5	2R3	4	0	6,155,144:86:1
1199	1	218	06:50:56.800	165DG4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,144:89:0
1200	**1**	**218**	**06:50:56.800**	**31INREGION01-**	**NIMPBK**	**301DT**	**IO REGIONAL OBSERVATION**	**2R3**	**4**	**0**	**: :**
1201	**1**	**218**	**06:50:56.800**	**31INREGION01-**	**NIMPBK**	**301DG**	**IO REGIONAL OBSERVATION**	**2R3**	**4**	**0**	**: :**
1202	1	218	06:50:58.133	117DG105A106A4A	**7STRP**	**-0.029258,-0.008**	**Slew =,0.03**	2R3	4	0	6,155,145:00:0
1203	1	218	07:07:24.133	117DG105A106A4B	**7STRP**	**0.032311,-0.0005**	**Slew =12.01**	2R3	4	0	6,155,161:23:0
1204	1	218	07:07:37.466	117DG105A106A4C	**7STRP**	**-0.029258,-0.008**	**Slew =,0.03**	2R3	4	0	6,155,161:43:0
1205	1	218	07:24:03.466	117DG105A106B4A	**7STRP**	**0.029408,-0.0008**	**Slew =12.01**	2R3	4	0	6,155,177:66:0
1206	1	218	07:24:16.800	117DG105A106B4B	**7STRP**	**-0.029158,-0.006**	**Slew =,0.03**	2R3	4	0	6,155,177:86:0
1207	1	218	07:40:42.133	117DG105A106B4C	**7STRP**	**0.029408,-0.0008**	**Slew =12.01**	2R3	4	0	6,155,194:17:0
1208	1	218	07:40:55.466	117DG105A106B4D	**7STRP**	**-0.029158,-0.006**	**Slew =,0.03**	2R3	4	0	6,155,194:37:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1209	1	218	07:57:20.800	117DG11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	6,155,210:59:0
1210	1	218	07:57:23.466	165EG4A	7SCAN	NORM,57.057,26.4	Check S/P Position	2R3	4	0	6,155,210:63:0
1211	1	218	07:57:44.800	117EG	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	6,155,211:04:0
1212	1	218	07:57:52.800	165EG4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,211:16:0
1213	1	218	07:57:54.133	117EG105A106A4A	7STRP	-0.026006,-0.004	Slew =,0.03	2R3	4	0	6,155,211:18:0
1214	1	218	08:01:46.800	31NNREGION01-		-----STOP-------		2R3	4	0	: :
1215	1	218	08:03:44.133	31INREGION01-	DESELC	300DG	IO REGIONAL OBSERVATION	2R3	4	0	: :
1216	1	218	08:03:44.133	31INREGION01-	DESELC	300DT	IO REGIONAL OBSERVATION	2R3	4	0	: :
1217	1	218	08:03:46.133	175DG6A	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	6,155,217:00:0
1218	1	218	08:03:46.133	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,217:00:0
1219	1	218	08:03:46.133		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *5000.67 +/- 5	2R3	4	0	6,155,217:00:0
1220	1	218	08:03:47.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5000.73 +/- 5	2R3	4	0	6,155,217:01:8
1221	1	218	08:03:53.466	20EG5A	37PL		Program Load (halts microprocessor & unwri		4	0	6,155,217:11:0
1222	1	218	08:04:03.466	20EG5B	37MRL		Memory Realocate (software operates from R		4	0	6,155,217:26:0
1223	1	218	08:04:13.466	20EG6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	6,155,217:41:0
1224	1	218	08:04:23.466	20EG6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	6,155,217:56:0
1225	1	218	08:04:33.466	20EG5C	37IRT		Instrument Reset (goes into POR state)		4	0	6,155,217:71:0
1226	1	218	08:04:36.800	20EG5D	37MN		Memory Normal (software operates from ROM)	260	4	0	6,155,217:76:0
1227	1	218	08:04:40.133	20EG4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,155,217:81:0
1228	1	218	08:05:36.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5000.73 +/- 5	2R0	4	0	6,155,218:74:0
1229	1	218	08:05:36.133	175EG422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R0	4	0	6,155,218:74:0
1230	1	218	08:05:42.800	127EG4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	6,155,218:84:0
1231	1	218	08:05:42.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5000.73 +/- 5	2R3	4	0	6,155,218:84:0
1232	1	218	08:05:42.800	127EG	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	6,155,218:84:0
1233	1	218	08:05:43.466	127EG4B	37ETB		Loads wavelength edit table	2R3	4	0	6,155,218:85:0
1234	1	218	08:05:44.133	175EG176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	6,155,218:86:0
1235	1	218	08:05:44.200		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *5000.85 +/- 5	2R3	4	0	6,155,218:86:1
1236	1	218	08:05:44.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5000.85 +/- 5	2R3	4	0	6,155,218:86:1
1237	1	218	08:05:51.466	127EG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,155,219:06:0
1238	1	218	08:12:26.800	117EG105A106B4A	7STRP	0.020003,0.0,0,0	Slew =12.01	2R3	4	0	6,155,225:53:0
1239	1	218	08:12:34.133	31INREGION01-	NIMPBK	301DU	IO REGIONAL OBSERVATION	2R3	4	0	: :
1240	1	218	08:12:34.133	31INREGION01-	NIMPBK	301DR	IO REGIONAL OBSERVATION	2R3	4	0	: :
1241	1	218	08:12:40.133	117EG105A106B4B	7STRP	-0.024505,-0.004	Slew =,0.03	2R3	4	0	6,155,225:73:0
1242	1	218	08:26:26.133	117EG105A106C4A	7STRP	0.024505,-0.002,	Slew =12.01	2R3	4	0	6,155,239:38:0
1243	1	218	08:26:39.466	117EG105A106C4B	7STRP	-0.024505,-0.004	Slew =,0.03	2R3	4	0	6,155,239:58:0
1244	1	218	08:40:25.466	117EG105A106C4C	7STRP	0.024505,-0.002,	Slew =12.01	2R3	4	0	6,155,253:23:0
1245	1	218	08:40:38.800	117EG105A106C4D	7STRP	-0.024505,-0.004	Slew =,0.03	2R3	4	0	6,155,253:43:0
1246	1	218	08:47:24.133	20IJ6A	6MCOPY	HLM1A,E415,B1A1A	HLM1A,E415,B1A1A,5000,506	2R3	4	0	6,155,260:14:0
1247	1	218	08:54:24.800	117EG11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	6,155,267:08:0
1248	1	218	08:54:29.466	31INREGION01-	DESELC	300DR	IO REGIONAL OBSERVATION	2R3	4	0	: :
1249	1	218	08:54:29.466	31INREGION01-	DESELC	300DU	IO REGIONAL OBSERVATION	2R3	4	0	: :
1250	1	218	08:54:44.800		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *5690.05 +/- 5	2R3	4	0	6,155,267:38:0
1251	1	218	08:54:44.800	175EG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,267:38:0
1252	1	218	08:54:44.800	175EG6A	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	6,155,267:38:0
1253	1	218	08:54:46.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5690.11 +/- 5	2R3	4	0	6,155,267:39:8
1254	1	218	08:55:16.800	31INREGION01-		-----STOP-------		2R3	4	0	: :
1255	1	218	08:58:56.133	165IY4A	7SCAN	NORM,23.041,12.3	Check S/P Position	2R3	4	0	6,155,271:51:0
1256	1	218	09:01:48.800	175IY422A6A	6DMSC	R806,1	DMS Control	2R3	4	0	6,155,274:37:0
1257	1	218	09:01:48.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5690.11 +/- 5	2R3	4	0	6,155,274:37:0
1258	1	218	09:01:55.466		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC 5690.11 +/- 5	2R3	4	0	6,155,274:47:0
1259	1	218	09:01:57.466	165IY4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,274:50:0
1260	1	218	09:02:00.133	175IY176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,155,274:54:0
1261	1	218	09:02:00.733		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 5756.11 +/- 5	2R3	4	0	6,155,274:54:9
1262	1	218	09:02:00.733		DMS:	: *RECORD	R806, TRACK 1, FWD, TIC *5756.11 +/- 5	2R3	4	0	6,155,274:54:9
1263	1	218	09:02:04.133		DMS:	: *RUNDOWN	R806, TRACK 1, FWD, TIC *5839.78 +/- 5	2R3	4	0	6,155,274:60:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	1	218	09:02:04.133	175IY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,274:60:0	
1265	1	218	09:02:06.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5851.28 +/- 5	2R3	4	0	6,155,274:64:1	
1266	1	218	09:03:24.800	165GJ4A	7SCAN	NORM,54.916,25.2	Check S/P Position	2R3	4	0	6,155,275:90:0	
1267	1	218	09:03:25.466		DMS:	: READY	RDY, TRACK *2, *REV, TIC 5851.28 +/- 5	2R3	4	0	6,155,276:00:0	
1268	1	218	09:03:25.466	465KE6A	6DMSC	RDY,2	DMS Control Tape stop	2R3	4	0	6,155,276:00:0	
1269	1	218	09:04:26.133	176GJ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	6,155,277:00:0	
1270	1	218	09:05:17.466	117GJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	6,155,277:77:0	
1271	1	218	09:05:26.800	117GJ105A106A4A	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,278:00:0	
1272	1	218	09:08:31.466	117GJ105A106A4B	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,281:04:0	
1273	1	218	09:08:46.133	117GJ105A106A4C	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,281:26:0	
1274	1	218	09:11:50.800	117GJ105A106A4D	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,284:30:0	
1275	1	218	09:12:05.466	117GJ105A106A4E	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,284:52:0	
1276	1	218	09:15:10.133	117GJ105A106A4F	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,287:56:0	
1277	1	218	09:15:24.800	117GJ105A106A4G	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,287:78:0	
1278	1	218	09:17:00.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,289:40:0	
1279	1	218	09:17:00.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5851.28 +/- 5	2R3	4	0	6,155,289:40:0	
1280	1	218	09:17:02.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5851.40 +/- 5	2R3	4	0	6,155,289:42:1	
1281	1	218	09:17:07.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5852.63 +/- 5	2R3	4	0	6,155,289:50:0	
1282	1	218	09:17:08.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5852.69 +/- 5	2R3	4	0	6,155,289:51:8	
1283	1	218	09:17:10.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5852.57 +/- 5	2R3	4	0	6,155,289:53:9	
1284	1	218	09:17:26.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5848.81 +/- 5	2R3	4	0	6,155,289:78:0	
1285	1	218	09:17:48.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5843.50 +/- 5	2R3	4	0	6,155,290:21:0	
1286	1	218	09:17:48.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,290:21:0	
1287	1	218	09:17:50.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5843.44 +/- 5	2R3	4	0	6,155,290:22:8	
1288	1	218	09:18:29.466	117GJ105A106A4H	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,290:82:0	
1289	1	218	09:18:44.133	117GJ105A106A4I	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,291:13:0	
1290	1	218	09:21:48.800	117GJ105A106A4J	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,294:17:0	
1291	1	218	09:22:03.466	117GJ105A106A4K	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,294:39:0	
1292	1	218	09:25:08.133	117GJ105A106A4L	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,297:43:0	
1293	1	218	09:25:22.800	117GJ105A106A4M	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,297:65:0	
1294	1	218	09:28:27.466	117GJ105A106A4N	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,300:69:0	
1295	1	218	09:28:42.133	117GJ105A106A4O	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,301:00:0	
1296	1	218	09:30:02.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,302:30:0	
1297	1	218	09:30:02.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5843.44 +/- 5	2R3	4	0	6,155,302:30:0	
1298	1	218	09:30:04.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5843.56 +/- 5	2R3	4	0	6,155,302:32:1	
1299	1	218	09:30:09.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5844.79 +/- 5	2R3	4	0	6,155,302:40:0	
1300	1	218	09:30:10.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5844.85 +/- 5	2R3	4	0	6,155,302:41:8	
1301	1	218	09:30:12.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5844.73 +/- 5	2R3	4	0	6,155,302:43:9	
1302	1	218	09:30:28.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5840.97 +/- 5	2R3	4	0	6,155,302:68:0	
1303	1	218	09:30:50.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,303:11:0	
1304	1	218	09:30:50.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5835.65 +/- 5	2R3	4	0	6,155,303:11:0	
1305	1	218	09:30:52.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5835.59 +/- 5	2R3	4	0	6,155,303:12:8	
1306	1	218	09:31:46.800	117GJ105A106A4P	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,304:04:0	
1307	1	218	09:32:01.466	117GJ105A106A4Q	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,304:26:0	
1308	1	218	09:35:06.133	117GJ105A106A4R	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,307:30:0	
1309	1	218	09:35:20.800	117GJ105A106A4S	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,307:52:0	
1310	1	218	09:38:25.466	117GJ105A106A4T	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,310:56:0	
1311	1	218	09:38:40.133	117GJ105A106A4U	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,310:78:0	
1312	1	218	09:41:44.800	117GJ105A106A4V	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,313:82:0	
1313	1	218	09:41:59.466	117GJ105A106A4W	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,314:13:0	
1314	1	218	09:43:04.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5835.59 +/- 5	2R3	4	0	6,155,315:20:0	
1315	1	218	09:43:04.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,315:20:0	
1316	1	218	09:43:06.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5835.71 +/- 5	2R3	4	0	6,155,315:22:1	
1317	1	218	09:43:11.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5836.95 +/- 5	2R3	4	0	6,155,315:30:0	
1318	1	218	09:43:12.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5837.01 +/- 5	2R3	4	0	6,155,315:31:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1319	1	218	09:43:14.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5836.89 +/- 5	2R3	4	0	6,155,315:33:9
1320	1	218	09:43:30.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5833.12 +/- 5	2R3	4	0	6,155,315:58:0
1321	1	218	09:43:52.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,316:01:0
1322	1	218	09:43:52.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5827.81 +/- 5	2R3	4	0	6,155,316:01:0
1323	1	218	09:43:54.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5827.75 +/- 5	2R3	4	0	6,155,316:02:8
1324	1	218	09:45:04.133	117GJ105A106A4X	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,317:17:0
1325	1	218	09:45:18.800	117GJ105A106A4Y	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,317:39:0
1326	1	218	09:48:23.466	117GJ105A106A4Z	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,320:43:0
1327	1	218	09:48:38.133	117GJ105A106A4AA	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,320:65:0
1328	1	218	09:51:42.800	117GJ105A106A4AB	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,323:69:0
1329	1	218	09:51:57.466	117GJ105A106A4AC	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,324:00:0
1330	1	218	09:55:02.133	117GJ105A106A4AD	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,327:04:0
1331	1	218	09:55:16.800	117GJ105A106A4AE	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,327:26:0
1332	1	218	09:56:07.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5827.75 +/- 5	2R3	4	0	6,155,328:11:0
1333	1	218	09:56:07.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,328:11:0
1334	1	218	09:56:08.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5827.87 +/- 5	2R3	4	0	6,155,328:13:1
1335	1	218	09:56:14.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5829.10 +/- 5	2R3	4	0	6,155,328:21:0
1336	1	218	09:56:15.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5829.16 +/- 5	2R3	4	0	6,155,328:22:8
1337	1	218	09:56:16.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5829.04 +/- 5	2R3	4	0	6,155,328:24:9
1338	1	218	09:56:32.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5825.43 +/- 5	2R3	4	0	6,155,328:48:0
1339	1	218	09:56:54.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5820.12 +/- 5	2R3	4	0	6,155,328:82:0
1340	1	218	09:56:54.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,328:82:0
1341	1	218	09:56:56.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5820.06 +/- 5	2R3	4	0	6,155,328:83:8
1342	1	218	09:58:21.466	117GJ105A106A4AF	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,330:30:0
1343	1	218	09:58:36.133	117GJ105A106A4AG	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,330:52:0
1344	1	218	10:01:40.800	117GJ105A106A4AH	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,333:56:0
1345	1	218	10:01:55.466	117GJ105A106A4AI	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,333:78:0
1346	1	218	10:05:00.133	117GJ105A106A4AJ	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,336:82:0
1347	1	218	10:05:14.800	117GJ105A106A4AK	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,337:13:0
1348	1	218	10:08:19.466	117GJ105A106A4AL	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,340:17:0
1349	1	218	10:08:34.133	117GJ105A106A4AM	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,340:39:0
1350	1	218	10:09:09.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,341:01:0
1351	1	218	10:09:09.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5820.06 +/- 5	2R3	4	0	6,155,341:01:0
1352	1	218	10:09:10.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5820.18 +/- 5	2R3	4	0	6,155,341:03:1
1353	1	218	10:09:16.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5821.42 +/- 5	2R3	4	0	6,155,341:11:0
1354	1	218	10:09:17.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5821.48 +/- 5	2R3	4	0	6,155,341:12:8
1355	1	218	10:09:18.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5821.36 +/- 5	2R3	4	0	6,155,341:14:9
1356	1	218	10:09:34.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5817.59 +/- 5	2R3	4	0	6,155,341:39:0
1357	1	218	10:09:57.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5812.28 +/- 5	2R3	4	0	6,155,341:73:0
1358	1	218	10:09:57.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,341:73:0
1359	1	218	10:09:58.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5812.22 +/- 5	2R3	4	0	6,155,341:74:8
1360	1	218	10:11:38.800	117GJ105A106A4AN	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,343:43:0
1361	1	218	10:11:52.800	488AJ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	6,155,343:64:0
1362	1	218	10:11:53.466	117GJ105A106A4AO	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,343:65:0
1363	1	218	10:14:58.133	117GJ105A106A4AP	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,346:69:0
1364	1	218	10:15:12.800	117GJ105A106A4AQ	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,347:00:0
1365	1	218	10:18:17.466	117GJ105A106A4AR	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,350:04:0
1366	1	218	10:18:32.133	117GJ105A106A4AS	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,350:26:0
1367	1	218	10:21:36.800	117GJ105A106A4AT	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,353:30:0
1368	1	218	10:21:51.466	117GJ105A106A4AU	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,353:52:0
1369	1	218	10:22:11.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,353:82:0
1370	1	218	10:22:11.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5812.22 +/- 5	2R3	4	0	6,155,353:82:0
1371	1	218	10:22:12.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5812.34 +/- 5	2R3	4	0	6,155,353:84:1
1372	1	218	10:22:18.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5813.57 +/- 5	2R3	4	0	6,155,354:01:0
1373	1	218	10:22:19.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5813.63 +/- 5	2R3	4	0	6,155,354:02:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	1	218	10:22:20.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5813.51 +/- 5	2R3	4	0	6,155,354:04:9	
1375	1	218	10:22:36.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5809.75 +/- 5	2R3	4	0	6,155,354:29:0	
1376	1	218	10:22:59.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,354:63:0	
1377	1	218	10:22:59.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5804.43 +/- 5	2R3	4	0	6,155,354:63:0	
1378	1	218	10:23:00.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5804.37 +/- 5	2R3	4	0	6,155,354:64:8	
1379	1	218	10:24:56.133	117GJ105A106A4AV	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,356:56:0	
1380	1	218	10:25:10.800	117GJ105A106A4AW	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,356:78:0	
1381	1	218	10:28:15.466	117GJ105A106A4AX	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,359:82:0	
1382	1	218	10:28:30.133	117GJ105A106A4AY	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,360:13:0	
1383	1	218	10:31:34.800	117GJ105A106A4AZ	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,363:17:0	
1384	1	218	10:31:49.466	117GJ105A106A4BA	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,363:39:0	
1385	1	218	10:34:54.133	117GJ105A106A4BB	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,366:43:0	
1386	1	218	10:35:08.800	117GJ105A106A4BC	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,366:65:0	
1387	1	218	10:35:14.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5804.37 +/- 5	2R3	4	0	6,155,366:73:0	
1388	1	218	10:35:14.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,366:73:0	
1389	1	218	10:35:15.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5804.49 +/- 5	2R3	4	0	6,155,366:75:1	
1390	1	218	10:35:20.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5805.73 +/- 5	2R3	4	0	6,155,366:83:0	
1391	1	218	10:35:22.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5805.79 +/- 5	2R3	4	0	6,155,366:84:8	
1392	1	218	10:35:23.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5805.67 +/- 5	2R3	4	0	6,155,366:86:9	
1393	1	218	10:35:38.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5802.06 +/- 5	2R3	4	0	6,155,367:19:0	
1394	1	218	10:36:01.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5796.75 +/- 5	2R3	4	0	6,155,367:53:0	
1395	1	218	10:36:01.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,367:53:0	
1396	1	218	10:36:02.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5796.69 +/- 5	2R3	4	0	6,155,367:54:8	
1397	1	218	10:38:13.466	117GJ105A106A4BD	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,369:69:0	
1398	1	218	10:38:28.133	117GJ105A106A4BE	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,370:00:0	
1399	1	218	10:41:32.800	117GJ105A106A4BF	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,373:04:0	
1400	1	218	10:41:47.466	117GJ105A106A4BG	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,373:26:0	
1401	1	218	10:42:36.133	488AJ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	6,155,374:08:0	
1402	1	218	10:44:52.133	117GJ105A106A4BH	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,376:30:0	
1403	1	218	10:45:00.133	480SB6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	6,155,376:42:0	
1404	1	218	10:45:06.800	117GJ105A106A4BI	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,376:52:0	
1405	1	218	10:48:11.466	117GJ105A106A4BJ	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,379:56:0	
1406	1	218	10:48:16.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,379:63:0	
1407	1	218	10:48:16.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5796.69 +/- 5	2R3	4	0	6,155,379:63:0	
1408	1	218	10:48:17.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5796.81 +/- 5	2R3	4	0	6,155,379:65:1	
1409	1	218	10:48:22.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5798.04 +/- 5	2R3	4	0	6,155,379:73:0	
1410	1	218	10:48:24.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5798.10 +/- 5	2R3	4	0	6,155,379:74:8	
1411	1	218	10:48:25.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5797.98 +/- 5	2R3	4	0	6,155,379:76:9	
1412	1	218	10:48:26.133	117GJ105A106A4BK	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,379:78:0	
1413	1	218	10:48:41.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5794.22 +/- 5	2R3	4	0	6,155,380:10:0	
1414	1	218	10:49:04.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5788.90 +/- 5	2R3	4	0	6,155,380:44:0	
1415	1	218	10:49:04.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,380:44:0	
1416	1	218	10:49:05.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5788.84 +/- 5	2R3	4	0	6,155,380:45:8	
1417	1	218	10:51:30.800	117GJ105A106A4BL	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,382:82:0	
1418	1	218	10:51:40.133	480SB6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	6,155,383:05:0	
1419	1	218	10:51:45.466	117GJ105A106A4BM	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,383:13:0	
1420	1	218	10:54:50.133	117GJ105A106A4BN	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,386:17:0	
1421	1	218	10:55:04.800	117GJ105A106A4BO	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,386:39:0	
1422	1	218	10:58:09.466	117GJ105A106A4BP	7STRP	0.031911,0.00545	Slew =12.01	2R3	4	0	6,155,389:43:0	
1423	1	218	10:58:24.133	117GJ105A106A4BQ	7STRP	-0.034013,-0.004	Slew =,0.19	2R3	4	0	6,155,389:65:0	
1424	**1**	**218**	**11:01:02.800**	**31NNREGION02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1425	**1**	**218**	**11:01:06.800**	**20DH5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,155,392:36:0**	
1426	**1**	**218**	**11:01:10.133**	**20DH5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,155,392:41:0**	
1427	**1**	**218**	**11:01:13.466**	**20DH6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,155,392:46:0**	
1428	1	218	11:01:18.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5788.84 +/- 5		4	0	6,155,392:53:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	1	218	11:01:18.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps		4	0	6,155,392:53:0	
1430	1	218	11:01:19.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5788.96 +/- 5		4	0	6,155,392:55:1	
1431	**1**	**218**	**11:01:23.466**	**20DH6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,155,392:61:0**	
1432	1	218	11:01:24.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5790.20 +/- 5		4	0	6,155,392:63:0	
1433	1	218	11:01:26.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5790.26 +/- 5		4	0	6,155,392:64:8	
1434	1	218	11:01:27.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5790.14 +/- 5		4	0	6,155,392:66:9	
1435	1	218	11:01:28.800	117GJ11A	**CSMOS**	GE	***** GROUP END CSMOS		4	0	6,155,392:69:0	
1436	**1**	**218**	**11:01:33.466**	**20DH5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,155,392:76:0**	
1437	**1**	**218**	**11:01:36.800**	**20DH5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,155,392:81:0**	
1438	**1**	**218**	**11:01:36.800**	**20DH4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,155,392:81:0**	
1439	1	218	11:01:43.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5786.37 +/- 5	2R0	4	0	6,155,393:00:0	
1440	1	218	11:02:06.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5781.06 +/- 5	2R0	4	0	6,155,393:34:0	
1441	1	218	11:02:06.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	6,155,393:34:0	
1442	1	218	11:02:07.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5781.00 +/- 5	2R0	4	0	6,155,393:35:8	
1443	**1**	**218**	**11:02:39.466**	**31INREGION02-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
1444	1	218	11:02:39.466	127DH	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	6,155,393:84:0	
1445	**1**	**218**	**11:02:39.466**	**127DH4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**6,155,393:84:0**	
1446	**1**	**218**	**11:02:40.133**	**127DH4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**6,155,393:85:0**	
1447	1	218	11:02:48.133	127DH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,155,394:06:0	
1448	1	218	11:03:14.133	176GJ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	6,155,394:45:0	
1449	1	218	11:03:16.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,394:48:0	
1450	1	218	11:03:16.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5781.00 +/- 5	2R3	4	0	6,155,394:48:0	
1451	1	218	11:03:17.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5781.12 +/- 5	2R3	4	0	6,155,394:50:1	
1452	1	218	11:03:22.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5782.35 +/- 5	2R3	4	0	6,155,394:58:0	
1453	1	218	11:03:24.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5782.41 +/- 5	2R3	4	0	6,155,394:59:8	
1454	1	218	11:03:25.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5782.29 +/- 5	2R3	4	0	6,155,394:61:9	
1455	1	218	11:03:26.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5782.12 +/- 5	2R3	4	0	6,155,394:63:0	
1456	1	218	11:03:36.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5779.62 +/- 5	2R3	4	0	6,155,394:79:0	
1457	1	218	11:03:36.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,394:79:0	
1458	1	218	11:03:38.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5779.56 +/- 5	2R3	4	0	6,155,394:80:8	
1459	**1**	**218**	**11:03:39.000**	**31NN__DAC__1-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1460	**1**	**218**	**11:03:39.466**	**33A4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R3**	**4**	**0**	**6,155,394:83:0**	
1461	**1**	**218**	**11:03:40.000**	**31NN__DAC__1-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1462	**1**	**218**	**11:04:02.800**	**31NNREGION02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1463	1	218	11:04:44.800	165DH4A	**7SCAN**	**NORM,49.484,25.6**	**Check S/P Position**	2R3	4	0	6,155,395:90:0	
1464	1	218	11:05:34.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5779.56 +/- 5	2R3	4	0	6,155,396:73:0	
1465	1	218	11:05:34.133	175DH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,396:73:0	
1466	1	218	11:05:35.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5779.68 +/- 5	2R3	4	0	6,155,396:75:1	
1467	1	218	11:05:36.800	117DH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	6,155,396:77:0	
1468	1	218	11:05:40.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5780.92 +/- 5	2R3	4	0	6,155,396:83:0	
1469	1	218	11:05:42.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5780.98 +/- 5	2R3	4	0	6,155,396:84:8	
1470	1	218	11:05:42.800	175DH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	6,155,396:86:0	
1471	1	218	11:05:43.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5780.86 +/- 5	2R3	4	0	6,155,396:86:9	
1472	1	218	11:05:43.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5780.86 +/- 5	2R3	4	0	6,155,396:86:9	
1473	**1**	**218**	**11:05:44.800**	**31INREGION02-**	**NIMPBK**	**301DH**	**IO REGIONAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1474	1	218	11:05:44.800	165DH4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,396:89:0	
1475	**1**	**218**	**11:05:44.800**	**31INREGION02-**	**NIMPBK**	**301EL**	**IO REGIONAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1476	1	218	11:05:46.133	117DH105A106A4A	**7STRP**	**-0.023504,-0.003**	**Slew =,0.02**	2R3	4	0	6,155,397:00:0	
1477	**1**	**218**	**11:12:34.133**	**31INREGION02-**	**DESELC**	**300DH**	**IO REGIONAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1478	**1**	**218**	**11:12:34.133**	**31INREGION02-**	**DESELC**	**300EL**	**IO REGIONAL OBSERVATION**	**2R3**	**4**	**0**	**: :**	
1479	1	218	11:25:32.800	117DH105A106A4B	**7STRP**	**0.024405,-0.0037**	**Slew =12.01**	2R3	4	0	6,155,416:51:0	
1480	1	218	11:25:46.800	117DH105A106A4C	**7STRP**	**-0.023504,-0.003**	**Slew =,0.02**	2R3	4	0	6,155,416:72:0	
1481	1	218	11:33:23.466	488AJ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	6,155,424:29:0	
1482	1	218	11:45:33.466	117DH105A106B4A	**7STRP**	**0.022604,-0.0037**	**Slew =12.01**	2R3	4	0	6,155,436:32:0	
1483	1	218	11:45:47.466	117DH105A106B4B	**7STRP**	**-0.023504,-0.003**	**Slew =,0.02**	2R3	4	0	6,155,436:53:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1484	1	218	12:05:34.133	117DH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	6,155,456:13:0
1485	1	218	12:09:04.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4889.90 +/- 5	2R3	4	0	6,155,459:56:0
1486	1	218	12:09:04.800	175DH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	6,155,459:56:0
1487	1	218	12:09:04.800	175DH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,459:56:0
1488	1	218	12:09:06.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4889.84 +/- 5	2R3	4	0	6,155,459:57:8
1489	1	218	12:10:27.466	488AJ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	6,155,460:89:0
1490	1	218	12:16:28.133	488AJ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	6,155,466:84:0
1491	**1**	**218**	**12:25:37.466**	**31INREGION02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1492	1	218	12:28:40.133	165GP4A	7SCAN	NORM,45.959,23.4	Check S/P Position	2R3	4	0	6,155,478:90:0
1493	1	218	12:29:41.466	176GP6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	6,155,480:00:0
1494	1	218	12:30:32.800	117GP	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	6,155,480:77:0
1495	1	218	12:30:42.133	117GP105A106A4A	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,481:00:0
1496	1	218	12:32:00.800	117GP105A106A4B	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,482:27:0
1497	1	218	12:32:13.466	117GP105A106A4C	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,482:46:0
1498	1	218	12:33:32.133	117GP105A106A4D	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,483:73:0
1499	1	218	12:33:44.800	117GP105A106A4E	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,484:01:0
1500	1	218	12:35:03.466	117GP105A106A4F	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,485:28:0
1501	1	218	12:35:16.133	117GP105A106A4G	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,485:47:0
1502	1	218	12:36:34.800	117GP105A106A4H	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,486:74:0
1503	1	218	12:36:47.466	117GP105A106A4I	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,487:02:0
1504	1	218	12:38:06.133	117GP105A106A4J	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,488:29:0
1505	1	218	12:38:18.800	117GP105A106A4K	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,488:48:0
1506	1	218	12:39:37.466	117GP105A106A4L	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,489:75:0
1507	1	218	12:39:50.133	117GP105A106A4M	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,490:03:0
1508	1	218	12:41:08.800	117GP105A106A4N	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,491:30:0
1509	1	218	12:41:21.466	117GP105A106A4O	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,491:49:0
1510	1	218	12:42:40.133	117GP105A106A4P	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,492:76:0
1511	1	218	12:42:52.800	117GP105A106A4Q	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,493:04:0
1512	1	218	12:44:11.466	117GP105A106A4R	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,494:31:0
1513	1	218	12:44:24.133	117GP105A106A4S	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,494:50:0
1514	1	218	12:45:42.800	117GP105A106A4T	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,495:77:0
1515	1	218	12:45:55.466	117GP105A106A4U	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,496:05:0
1516	1	218	12:46:54.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,497:02:0
1517	1	218	12:46:54.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4889.84 +/- 5	2R3	4	0	6,155,497:02:0
1518	1	218	12:46:55.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4889.96 +/- 5	2R3	4	0	6,155,497:04:1
1519	1	218	12:47:00.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4891.20 +/- 5	2R3	4	0	6,155,497:12:0
1520	1	218	12:47:02.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4891.26 +/- 5	2R3	4	0	6,155,497:13:8
1521	1	218	12:47:03.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4891.14 +/- 5	2R3	4	0	6,155,497:15:9
1522	1	218	12:47:14.133	117GP105A106A4V	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,497:32:0
1523	1	218	12:47:26.800	117GP105A106A4W	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,497:51:0
1524	1	218	12:47:29.466		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4885.03 +/- 5	2R3	4	0	6,155,497:55:0
1525	1	218	12:47:52.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,497:89:0
1526	1	218	12:47:52.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4879.72 +/- 5	2R3	4	0	6,155,497:89:0
1527	1	218	12:47:53.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4879.66 +/- 5	2R3	4	0	6,155,497:90:8
1528	1	218	12:48:45.466	117GP105A106A4X	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,498:78:0
1529	1	218	12:48:58.133	117GP105A106A4Y	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,499:06:0
1530	1	218	12:50:16.800	117GP105A106A4Z	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,500:33:0
1531	1	218	12:50:29.466	117GP105A106A4AA	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,500:52:0
1532	1	218	12:51:48.133	117GP105A106A4AB	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,501:79:0
1533	1	218	12:52:00.800	117GP105A106A4AC	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,502:07:0
1534	1	218	12:53:19.466	117GP105A106A4AD	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,503:34:0
1535	1	218	12:53:32.133	117GP105A106A4AE	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,503:53:0
1536	1	218	12:54:50.800	117GP105A106A4AF	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,504:80:0
1537	1	218	12:55:03.466	117GP105A106A4AG	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,505:08:0
1538	1	218	12:56:22.133	117GP105A106A4AH	7STRP	0.021203,0.0041,	Slew =12.01	2R3	4	0	6,155,506:35:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1539	1	218	12:56:34.800	117GP105A106A4AI	7STRP	-0.022304,-0.003	Slew =,0.31	2R3	4	0	6,155,506:54:0
1540	1	218	12:57:53.466	117GP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	6,155,507:81:0
1541	1	218	12:59:30.800	176GP6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	6,155,509:45:0
1542	1	218	12:59:32.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,509:48:0
1543	1	218	12:59:32.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4879.66 +/- 5	2R3	4	0	6,155,509:48:0
1544	1	218	12:59:34.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4879.78 +/- 5	2R3	4	0	6,155,509:50:1
1545	1	218	12:59:39.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4881.01 +/- 5	2R3	4	0	6,155,509:58:0
1546	1	218	12:59:40.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4881.07 +/- 5	2R3	4	0	6,155,509:59:8
1547	1	218	12:59:42.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4880.95 +/- 5	2R3	4	0	6,155,509:61:9
1548	1	218	12:59:42.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4880.78 +/- 5	2R3	4	0	6,155,509:63:0
1549	1	218	13:00:00.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,509:90:0
1550	1	218	13:00:00.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4876.56 +/- 5	2R3	4	0	6,155,509:90:0
1551	1	218	13:00:02.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4876.50 +/- 5	2R3	4	0	6,155,510:00:8
1552	1	218	13:00:02.800	432OG431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	6,155,510:02:0
1553	1	218	13:00:03.466	432OG6A	6RTSL1		R/T Select of DDS and	2R3	4	0	6,155,510:03:0
1554	1	218	13:00:06.800	20US4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R3	4	0	6,155,510:08:0
1555	1	218	13:25:52.133	165IZ4A	7SCAN	NORM,53.478,23.2	Check S/P Position	2R3	4	0	6,155,535:51:0
1556	1	218	13:28:43.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4876.50 +/- 5	2R3	4	0	6,155,538:35:0
1557	1	218	13:28:43.466	175IZ422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	6,155,538:35:0
1558	1	218	13:28:44.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4876.62 +/- 5	2R3	4	0	6,155,538:37:1
1559	1	218	13:28:50.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4877.85 +/- 5	2R3	4	0	6,155,538:45:0
1560	1	218	13:28:51.333		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *4877.91 +/- 6	2R3	4	0	6,155,538:46:8
1561	1	218	13:28:53.466	165IZ4B	7VECT		Inert vect update UTC	2R3	4	0	6,155,538:50:0
1562	1	218	13:28:56.133	175IZ176A6A	6TMREC	**IM8**	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	6,155,538:54:0
1563	1	218	13:28:56.600		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 4811.91 +/- 6	2R3	4	0	6,155,538:54:7
1564	1	218	13:28:56.600		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *4811.91 +/- 6	2R3	4	0	6,155,538:54:7
1565	1	218	13:29:00.133		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *4724.96 +/- 6	2R3	4	0	6,155,538:60:0
1566	1	218	13:29:00.133	175IZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,538:60:0
1567	1	218	13:29:02.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4713.46 +/- 6	2R3	4	0	6,155,538:64:1
1568	1	218	14:09:46.800	165GL4A	7SCAN	NORM,51.94,21.41	Check S/P Position	2R3	4	0	6,155,578:90:0
1569	1	218	14:12:46.800	488AK6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	6,155,581:87:0
1570	1	218	14:12:49.466	176GL6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	6,155,582:00:0
1571	1	218	14:13:40.800	117GL	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	6,155,582:77:0
1572	1	218	14:13:50.133	117GL105A106A4A	7STRP	0.0027,-0.00355,	Slew =,0.02	2R3	4	0	6,155,583:00:0
1573	1	218	14:18:49.466	117GL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	6,155,587:85:0
1574	1	218	14:20:12.133	488AK6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	6,155,589:27:0
1575	1	218	14:20:24.133	176GL6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	6,155,589:45:0
1576	1	218	14:20:26.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4713.46 +/- 6	2R3	4	0	6,155,589:48:0
1577	1	218	14:20:26.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,155,589:48:0
1578	1	218	14:20:27.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4713.58 +/- 6	2R3	4	0	6,155,589:50:1
1579	1	218	14:20:32.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4714.81 +/- 6	2R3	4	0	6,155,589:58:0
1580	1	218	14:20:34.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4714.87 +/- 6	2R3	4	0	6,155,589:59:8
1581	1	218	14:20:35.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4714.75 +/- 6	2R3	4	0	6,155,589:61:9
1582	1	218	14:20:36.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4714.58 +/- 6	2R3	4	0	6,155,589:63:0
1583	1	218	14:20:50.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,155,589:85:0
1584	1	218	14:20:50.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4711.15 +/- 6	2R3	4	0	6,155,589:85:0
1585	1	218	14:20:52.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4711.09 +/- 6	2R3	4	0	6,155,589:86:8
1586	**1**	**218**	**16:03:22.133**	**31NNGRSPOT01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1587	**1**	**218**	**16:03:26.133**	**20DK5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,155,691:36:0**
1588	**1**	**218**	**16:03:29.466**	**20DK5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,155,691:41:0**
1589	**1**	**218**	**16:03:32.800**	**20DK6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,155,691:46:0**
1590	**1**	**218**	**16:03:42.800**	**20DK6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,155,691:61:0**
1591	**1**	**218**	**16:03:52.800**	**20DK5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,155,691:76:0**
1592	**1**	**218**	**16:03:56.133**	**20DK5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,155,691:81:0**
1593	**1**	**218**	**16:04:56.800**	**20DK4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,155,692:81:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1594	1	218	16:05:02.133	31JNGRSPOT01-		-----START------		2R0	4	0	: :
1595	1	218	16:05:02.800	165DK4A	7SCAN	NORM,56.942,22.8	Check S/P Position	2R0	4	0	6,155,692:90:0
1596	1	218	16:05:59.466	127DK4A	37IOP	5,1	Short Map, Grating Start Position =01	2R5	4	1	6,155,693:84:0
1597	1	218	16:05:59.466	127DK	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	6,155,693:84:0
1598	1	218	16:06:00.133	127DK4B	37ETB	07,C7,0C,3C,D7,0	Loads wavelength edit table	2R5	4	1	6,155,693:85:0
1599	1	218	16:06:08.133	127DK11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	6,155,694:06:0
1600	1	218	16:06:22.133	31NNGRSPOT01-		-----STOP-------		2R5	4	1	: :
1601	1	218	16:08:54.133	175DK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	6,155,696:73:0
1602	1	218	16:08:54.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4711.09 +/- 6	2R5	4	1	6,155,696:73:0
1603	1	218	16:08:55.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4711.21 +/- 6	2R5	4	1	6,155,696:75:1
1604	1	218	16:08:56.800	117DK	CSMOS	GS	***** GROUP START CSMOS	2R5	4	1	6,155,696:77:0
1605	1	218	16:09:00.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4712.44 +/- 6	2R5	4	1	6,155,696:83:0
1606	1	218	16:09:02.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4712.50 +/- 6	2R5	4	1	6,155,696:84:8
1607	1	218	16:09:02.800	175DK176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	6,155,696:86:0
1608	1	218	16:09:03.400		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4712.38 +/- 6	2R5	4	1	6,155,696:86:9
1609	1	218	16:09:03.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4712.38 +/- 6	2R5	4	1	6,155,696:86:9
1610	1	218	16:09:05.466	31JNGRSPOT01-	NIMPBK	301DS	JUPITER GRS OBSERVATION	2R5	4	1	: :
1611	1	218	16:09:06.133	117DK105A106A4A	7STRP	-0.096296,-0.008	Slew =,0.12	2R5	4	1	6,155,697:00:0
1612	1	218	16:22:41.466	117DK105A106A4B	7STRP	0.101345,-0.0005	Slew =12.01	2R5	4	1	6,155,710:40:0
1613	1	218	16:22:50.133	31JNGRSPOT01-	DESELC	300DS	JUPITER GRS OBSERVATION	2R5	4	1	: :
1614	1	218	16:22:58.133	31JNGRSPOT01-	NIMPBK	301DK	JUPITER GRS OBSERVATION	2R5	4	1	: :
1615	1	218	16:23:00.133	117DK105A106A4C	7STRP	-0.096296,-0.008	Slew =,0.12	2R5	4	1	6,155,710:68:0
1616	1	218	16:23:30.800	31JNGRSPOT01-	NIMPBK	301EH	JUPITER GRS OBSERVATION	2R5	4	1	: :
1617	1	218	16:23:46.133	31JNGRSPOT01-	DESELC	300EH	JUPITER GRS OBSERVATION	2R5	4	1	: :
1618	1	218	16:36:30.800	31JNGRSPOT01-	NIMPBK	301EI	JUPITER GRS OBSERVATION	2R5	4	1	: :
1619	1	218	16:36:35.466	117DK105A106A4D	7STRP	0.101345,-0.0005	Slew =12.01	2R5	4	1	6,155,724:17:0
1620	1	218	16:36:40.133	31JNGRSPOT01-	DESELC	300EI	JUPITER GRS OBSERVATION	2R5	4	1	: :
1621	1	218	16:36:54.133	117DK105A106A4E	7STRP	-0.096296,-0.008	Slew =,0.12	2R5	4	1	6,155,724:45:0
1622	1	218	16:39:32.800	31JNGRSPOT01-	NIMPBK	301EJ	JUPITER GRS OBSERVATION	2R5	4	1	: :
1623	1	218	16:39:44.800	31JNGRSPOT01-	DESELC	300EJ	JUPITER GRS OBSERVATION	2R5	4	1	: :
1624	1	218	16:46:46.133	31JNGRSPOT01-	NIMPBK	301EK	JUPITER GRS OBSERVATION	2R5	4	1	: :
1625	1	218	16:46:59.600	31JNGRSPOT01-	DESELC	300EK	JUPITER GRS OBSERVATION	2R5	4	1	: :
1626	1	218	16:50:29.466	117DK11A	CSMOS	GE	***** GROUP END CSMOS	2R5	4	1	6,155,737:85:0
1627	1	218	16:50:33.466	31JNGRSPOT01-	DESELC	300DK	JUPITER GRS OBSERVATION	2R5	4	1	: :
1628	1	218	16:50:43.466	175DK6A	6TMREC	NRC	NO RECORD Record Mode Change	2R5	4	1	6,155,738:15:0
1629	1	218	16:50:43.466	175DK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,155,738:15:0
1630	1	218	16:50:43.466		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4126.43 +/- 6	2R5	4	1	6,155,738:15:0
1631	1	218	16:50:44.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4126.37 +/- 6	2R5	4	1	6,155,738:16:8
1632	1	218	16:55:08.800	31JNGRSPOT01-		-----STOP-------		2R5	4	1	: :
1633	1	218	16:58:06.800	20UT4A	7SAFE	UNSTOW	S/P TO 153 deg cone	2R5	4	1	6,155,745:43:0
1634	1	218	17:14:49.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4126.37 +/- 6	2R5	4	1	6,155,762:00:0
1635	1	218	17:14:49.466	411JD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	6,155,762:00:0
1636	1	218	17:14:50.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4126.49 +/- 6	2R5	4	1	6,155,762:02:1
1637	1	218	17:14:56.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4127.72 +/- 6	2R5	4	1	6,155,762:10:0
1638	1	218	17:14:57.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4127.78 +/- 6	2R5	4	1	6,155,762:11:8
1639	1	218	17:14:58.733		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4127.66 +/- 6	2R5	4	1	6,155,762:13:9
1640	1	218	17:14:58.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4127.66 +/- 6	2R5	4	1	6,155,762:13:9
1641	1	218	17:14:59.466	411JD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R5	4	1	6,155,762:15:0
1642	1	218	17:17:00.800	411JD6C	6TMREC	NRC	NO RECORD Record Mode Change	2R5	4	1	6,155,764:15:0
1643	1	218	17:17:03.466	175TJ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R5	4	1	6,155,764:19:0
1644	1	218	17:17:04.133	175TJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	6,155,764:20:0
1645	1	218	17:17:10.800		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4096.71 +/- 6	2R5	4	1	6,155,764:30:0
1646	1	218	17:17:10.800	175TJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,155,764:30:0
1647	1	218	17:17:12.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4096.65 +/- 6	2R5	4	1	6,155,764:31:8
1648	1	218	20:02:57.466	488AK6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R5	4	1	6,155,928:26:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1649	1	218	20:11:54.133	20MC6A	6CKSUM	MAG,4040,46F0		2R5	4	1	6,155,937:12:0
1650	1	218	20:12:50.800	480MB6	6MROH	12	read from LLM1A12,2282,0,A2	2R5	4	1	6,155,938:06:0
1651	1	218	20:12:50.800	480MB6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	2R5	4	1	6,155,938:06:0
1652	1	218	21:33:19.466	488AL6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R5	4	1	6,156,017:60:0
1653	1	218	22:00:00.133	480SC6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R5	4	1	6,156,044:04:0
1654	1	218	22:06:40.133	480SC6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R5	4	1	6,156,050:58:0
1655	1	218	22:10:23.466	488AL6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R5	4	1	6,156,054:29:0
1656	**1**	**218**	**22:53:58.133**	**20MH6A**	**6MCOPY**	**HLM1A,E476,B1A1A**	**HLM1A,E476,B1A1A,50C2,523**	**2R5**	**4**	**1**	**6,156,097:38:0**
1657	**1**	**218**	**22:54:58.800**	**20MH6C**	**6MCOPY**	**HLM1A,E476,B1A1A**	**HLM1A,E476,B1A1A,5234,53F**	**2R5**	**4**	**1**	**6,156,098:38:0**
1658	**1**	**218**	**22:55:59.466**	**20MH6E**	**6MCOPY**	**HLM1A,E476,B1A1A**	**HLM1A,E476,B1A1A,53F5,572**	**2R5**	**4**	**1**	**6,156,099:38:0**
1659	**1**	**218**	**22:57:00.133**	**20MH6G**	**6MCOPY**	**HLM1A,E476,B1A1A**	**HLM1A,E476,B1A1A,5728,5A9**	**2R5**	**4**	**1**	**6,156,100:38:0**
1660	1	219	01:24:55.400	432OU431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R5	4	1	6,156,246:65:0
1661	1	219	01:24:56.066	432OU6A	6RTSL1		R/T Select of DDS and	2R5	4	1	6,156,246:66:0
1662	1	219	01:30:04.066	488AL6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R5	4	1	6,156,251:73:0
1663	1	219	01:45:25.400	165GM4A	7SCAN	NORM,70.504,24.9	Check S/P Position	2R5	4	1	6,156,266:90:0
1664	1	219	01:48:28.066	176GM6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	6,156,270:00:0
1665	1	219	01:49:19.400	117GM	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	6,156,270:77:0
1666	1	219	01:49:28.733	117GM105A106A4A	7STRP	0.00215,-0.00305	Slew =,0.03	2R5	4	1	6,156,271:00:0
1667	1	219	01:54:28.066	117GM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	6,156,275:85:0
1668	1	219	01:56:02.733	176GM6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	6,156,277:45:0
1669	1	219	01:56:04.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	6,156,277:48:0
1670	1	219	01:56:04.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4096.65 +/- 6	2R5	4	1	6,156,277:48:0
1671	1	219	01:56:06.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4096.77 +/- 6	2R5	4	1	6,156,277:50:1
1672	1	219	01:56:11.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4098.00 +/- 6	2R5	4	1	6,156,277:58:0
1673	1	219	01:56:12.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4098.06 +/- 6	2R5	4	1	6,156,277:59:8
1674	1	219	01:56:14.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4097.94 +/- 6	2R5	4	1	6,156,277:61:9
1675	1	219	01:56:14.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4097.77 +/- 6	2R5	4	1	6,156,277:63:0
1676	1	219	01:56:29.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4094.33 +/- 6	2R5	4	1	6,156,277:85:0
1677	1	219	01:56:29.400	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,156,277:85:0
1678	1	219	01:56:30.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4094.27 +/- 6	2R5	4	1	6,156,277:86:8
1679	1	219	02:00:06.733	20UU4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R5	4	1	6,156,281:47:0
1680	1	219	02:11:25.400	488AL6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R5	4	1	6,156,292:64:0
1681	1	219	02:25:32.066	488AL6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R5	4	1	6,156,306:60:0
1682	1	219	03:01:48.066	488AM6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R5	4	1	6,156,342:48:0
1683	1	219	03:30:00.066	20TS4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R5	4	1	6,156,370:38:0
1684	1	219	03:30:50.066	20TS4B	7SLEW	DIS,POS,0.0	Stator movement	2R5	4	1	6,156,371:22:0
1685	1	219	03:30:58.066	20TS4F	7STAR	1,1307,23.9660,-	Star catalog update	2R5	4	1	6,156,371:34:0
1686	1	219	03:31:00.066	20TS4G	7STAR	2,333,138.16	Star catalog update	2R5	4	1	6,156,371:37:0
1687	1	219	03:31:02.066	20TS4H	7STAR	3,104,189.77	Star catalog update	2R5	4	1	6,156,371:40:0
1688	1	219	03:31:04.066	20TS4I	7STAR	4,167,345.57	Star catalog update	2R5	4	1	6,156,371:43:0
1689	1	219	03:31:06.066	20TS4J	7STAR	5,0,0.0,0.0	Star catalog update	2R5	4	1	6,156,371:46:0
1690	1	219	03:31:08.066	20TS4K	7STAR	6,0,0.0,0.0	Star catalog update	2R5	4	1	6,156,371:49:0
1691	1	219	03:35:02.733	432OE431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R5	4	1	6,156,375:37:0
1692	1	219	03:35:03.400	432OE6A	6RTSL1		R/T Select of DDS and	2R5	4	1	6,156,375:38:0
1693	**1**	**219**	**04:14:02.733**	**432SC6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**2R5**	**4**	**1**	**6,156,413:89:0**
1694	1	219	06:33:36.066	411JE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	6,156,552:00:0
1695	1	219	06:33:36.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4094.27 +/- 6	2R5	4	1	6,156,552:00:0
1696	1	219	06:33:37.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4094.39 +/- 6	2R5	4	1	6,156,552:02:1
1697	1	219	06:33:42.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4095.63 +/- 6	2R5	4	1	6,156,552:10:0
1698	1	219	06:33:43.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4095.69 +/- 6	2R5	4	1	6,156,552:11:8
1699	1	219	06:33:45.333		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4095.57 +/- 6	2R5	4	1	6,156,552:13:9
1700	1	219	06:33:45.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4095.57 +/- 6	2R5	4	1	6,156,552:13:9
1701	1	219	06:33:46.066	411JE6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R5	4	1	6,156,552:15:0
1702	1	219	06:35:47.400	411JE6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	6,156,554:15:0
1703	1	219	06:35:50.066	175TK176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R5	4	1	6,156,554:19:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1704	1	219	06:35:50.733	175TK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	6,156,554:20:0
1705	1	219	06:35:57.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4064.61 +/- 6	2R5	4	1	6,156,554:30:0
1706	1	219	06:35:57.400	175TK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,156,554:30:0
1707	1	219	06:35:58.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4064.55 +/- 6	2R5	4	1	6,156,554:31:8
1708	**1**	**219**	**11:59:10.733**	**432SD6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**2R5**	**4**	**1**	**6,156,874:00:0**
1709	1	219	12:42:48.733	20IL6A	6MCOPY	HLM1A,E415,B1A1A	HLM1A,E415,B1A1A,5000,506	2R5	4	1	6,156,917:14:0
1710	1	219	12:54:16.066	165IL4A	7SCAN	NORM,86.960999,2	Check S/P Position	2R5	4	1	6,156,928:44:0
1711	1	219	12:57:53.400	118IL	**SMOS**	GS		2R5	4	1	6,156,932:06:0
1712	1	219	12:58:18.066	165IL4B	7VECT		Inert vect update UTC	2R5	4	1	6,156,932:43:0
1713	1	219	12:58:23.400	118IL110A111A4A	7STRP	-0.00255,-0.0005	Slew =,1.31	2R5	4	1	6,156,932:51:0
1714	1	219	12:58:54.066	118IL110A111A4B	7STRP	-0.00255,0.0005,	Slew =,1.31	2R5	4	1	6,156,933:06:0
1715	1	219	12:59:12.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4064.55 +/- 6	2R5	4	1	6,156,933:33:0
1716	1	219	12:59:12.066	175IL422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,156,933:33:0
1717	1	219	12:59:13.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4064.67 +/- 6	2R5	4	1	6,156,933:35:1
1718	1	219	12:59:18.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4065.91 +/- 6	2R5	4	1	6,156,933:43:0
1719	1	219	12:59:19.933		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4065.97 +/- 6	2R5	4	1	6,156,933:44:8
1720	1	219	12:59:23.400	175IL176A6A	6TMREC	**HMA**	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R5	4	1	6,156,933:50:0
1721	1	219	12:59:23.933		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4059.67 +/- 6	2R5	4	1	6,156,933:50:8
1722	1	219	12:59:23.933		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4059.67 +/- 6	2R5	4	1	6,156,933:50:8
1723	1	219	12:59:24.733	118IL110A111A4C	7STRP	-0.00255,-0.0005	Slew =,1.31	2R5	4	1	6,156,933:52:0
1724	1	219	12:59:48.733		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3972.48 +/- 6	2R5	4	1	6,156,933:88:0
1725	1	219	12:59:48.733	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,156,933:88:0
1726	1	219	12:59:49.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3971.48 +/- 6	2R5	4	1	6,156,933:89:8
1727	1	219	12:59:55.400	118IL11A	**SMOS**	GE		2R5	4	1	6,156,934:07:0
1728	1	219	13:31:43.400	488AN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R5	4	1	6,156,965:48:0
1729	1	219	13:38:25.400	20IN6A	6MCOPY	HLM1A,E415,B1A1A	HLM1A,E415,B1A1A,5000,506	2R5	4	1	6,156,972:14:0
1730	1	219	13:50:23.400	165IO4A	7SCAN	NORM,95.976999,2	Check S/P Position	2R5	4	1	6,156,983:90:0
1731	1	219	13:53:21.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3971.48 +/- 6	2R5	4	1	6,156,986:84:0
1732	1	219	13:53:21.400	175IO422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,156,986:84:0
1733	1	219	13:53:22.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3971.60 +/- 6	2R5	4	1	6,156,986:86:1
1734	1	219	13:53:24.733	165IO4B	7VECT		Inert vect update UTC	2R5	4	1	6,156,986:89:0
1735	1	219	13:53:28.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3972.84 +/- 6	2R5	4	1	6,156,987:03:0
1736	1	219	13:53:29.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3972.90 +/- 6	2R5	4	1	6,156,987:04:8
1737	1	219	13:53:32.733	175IO176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	6,156,987:10:0
1738	1	219	13:53:33.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3966.60 +/- 6	2R5	4	1	6,156,987:10:8
1739	1	219	13:53:33.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3966.60 +/- 6	2R5	4	1	6,156,987:10:8
1740	1	219	13:54:27.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3776.28 +/- 6	2R5	4	1	6,156,988:01:0
1741	1	219	13:54:27.400	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,156,988:01:0
1742	1	219	13:54:28.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3775.28 +/- 6	2R5	4	1	6,156,988:02:8
1743	1	219	14:05:33.400	165IP4A	7SCAN	NORM,96.202,26.8	Check S/P Position	2R5	4	1	6,156,998:90:0
1744	1	219	14:08:31.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3775.28 +/- 6	2R5	4	1	6,157,001:84:0
1745	1	219	14:08:31.400	175IP422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,157,001:84:0
1746	1	219	14:08:32.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3775.40 +/- 6	2R5	4	1	6,157,001:86:1
1747	1	219	14:08:34.733	165IP4B	7VECT		Inert vect update UTC	2R5	4	1	6,157,001:89:0
1748	1	219	14:08:38.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3776.64 +/- 6	2R5	4	1	6,157,002:03:0
1749	1	219	14:08:39.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3776.70 +/- 6	2R5	4	1	6,157,002:04:8
1750	1	219	14:08:42.733	175IP176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	6,157,002:10:0
1751	1	219	14:08:43.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3770.40 +/- 6	2R5	4	1	6,157,002:10:8
1752	1	219	14:08:43.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3770.40 +/- 6	2R5	4	1	6,157,002:10:8
1753	1	219	14:09:37.400	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,157,003:01:0
1754	1	219	14:09:37.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3580.08 +/- 6	2R5	4	1	6,157,003:01:0
1755	1	219	14:09:38.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3579.08 +/- 6	2R5	4	1	6,157,003:02:8
1756	1	219	14:20:43.400	165IQ4A	7SCAN	NORM,96.424,26.8	Check S/P Position	2R5	4	1	6,157,013:90:0
1757	1	219	14:23:41.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3579.08 +/- 6	2R5	4	1	6,157,016:84:0
1758	1	219	14:23:41.400	175IQ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,157,016:84:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	1	219	14:23:42.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3579.20 +/- 6	2R5	4	1	6,157,016:86:1	
1760	1	219	14:23:44.733	165IQ4B	7VECT		Inert vect update UTC	2R5	4	1	6,157,016:89:0	
1761	1	219	14:23:48.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3580.44 +/- 6	2R5	4	1	6,157,017:03:0	
1762	1	219	14:23:49.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3580.50 +/- 6	2R5	4	1	6,157,017:04:8	
1763	1	219	14:23:52.733	175IQ176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	6,157,017:10:0	
1764	1	219	14:23:53.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3574.20 +/- 6	2R5	4	1	6,157,017:10:8	
1765	1	219	14:23:53.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3574.20 +/- 6	2R5	4	1	6,157,017:10:8	
1766	1	219	14:24:46.066	165IR4A	7SCAN	NORM,95.516999,2	Check S/P Position	2R5	4	1	6,157,017:90:0	
1767	1	219	14:24:47.400	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,157,018:01:0	
1768	1	219	14:24:47.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3383.89 +/- 6	2R5	4	1	6,157,018:01:0	
1769	1	219	14:24:48.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3382.89 +/- 6	2R5	4	1	6,157,018:02:8	
1770	1	219	14:26:43.400	175IR422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,157,019:84:0	
1771	1	219	14:26:43.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3382.89 +/- 6	2R5	4	1	6,157,019:84:0	
1772	1	219	14:26:44.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3383.01 +/- 6	2R5	4	1	6,157,019:86:1	
1773	1	219	14:26:46.733	165IR4B	7VECT		Inert vect update UTC	2R5	4	1	6,157,019:89:0	
1774	1	219	14:26:50.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3384.24 +/- 6	2R5	4	1	6,157,020:03:0	
1775	1	219	14:26:51.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3384.30 +/- 6	2R5	4	1	6,157,020:04:8	
1776	1	219	14:26:54.733	175IR176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	6,157,020:10:0	
1777	1	219	14:26:55.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3378.00 +/- 6	2R5	4	1	6,157,020:10:8	
1778	1	219	14:26:55.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3378.00 +/- 6	2R5	4	1	6,157,020:10:8	
1779	1	219	14:27:49.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3187.69 +/- 6	2R5	4	1	6,157,021:01:0	
1780	1	219	14:27:49.400	175IR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,157,021:01:0	
1781	1	219	14:27:50.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3186.69 +/- 6	2R5	4	1	6,157,021:02:8	
1782	1	219	14:38:55.400	165IS4A	7SCAN	NORM,95.742,26.9	Check S/P Position	2R5	4	1	6,157,031:90:0	
1783	1	219	14:41:53.400	175IS422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,157,034:84:0	
1784	1	219	14:41:53.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3186.69 +/- 6	2R5	4	1	6,157,034:84:0	
1785	1	219	14:41:54.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3186.81 +/- 6	2R5	4	1	6,157,034:86:1	
1786	1	219	14:41:56.733	165IS4B	7VECT		Inert vect update UTC	2R5	4	1	6,157,034:89:0	
1787	1	219	14:42:00.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3188.04 +/- 6	2R5	4	1	6,157,035:03:0	
1788	1	219	14:42:01.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3188.10 +/- 6	2R5	4	1	6,157,035:04:8	
1789	1	219	14:42:04.733	175IS176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	6,157,035:10:0	
1790	1	219	14:42:05.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3181.80 +/- 6	2R5	4	1	6,157,035:10:8	
1791	1	219	14:42:05.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3181.80 +/- 6	2R5	4	1	6,157,035:10:8	
1792	1	219	14:42:59.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *2991.49 +/- 6	2R5	4	1	6,157,036:01:0	
1793	1	219	14:42:59.400	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,157,036:01:0	
1794	1	219	14:43:00.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2990.49 +/- 6	2R5	4	1	6,157,036:02:8	
1795	1	219	14:54:05.400	165IT4A	7SCAN	NORM,95.964,26.9	Check S/P Position	2R5	4	1	6,157,046:90:0	
1796	1	219	14:57:03.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2990.49 +/- 6	2R5	4	1	6,157,049:84:0	
1797	1	219	14:57:03.400	175IT422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,157,049:84:0	
1798	1	219	14:57:04.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2990.61 +/- 6	2R5	4	1	6,157,049:86:1	
1799	1	219	14:57:06.733	165IT4B	7VECT		Inert vect update UTC	2R5	4	1	6,157,049:89:0	
1800	1	219	14:57:10.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2991.84 +/- 6	2R5	4	1	6,157,050:03:0	
1801	1	219	14:57:11.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *2991.90 +/- 6	2R5	4	1	6,157,050:04:8	
1802	1	219	14:57:14.733	175IT176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	6,157,050:10:0	
1803	1	219	14:57:15.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 2985.60 +/- 6	2R5	4	1	6,157,050:10:8	
1804	1	219	14:57:15.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *2985.60 +/- 6	2R5	4	1	6,157,050:10:8	
1805	1	219	14:58:08.066	165IU4A	7SCAN	NORM,95.0,26.957	Check S/P Position	2R5	4	1	6,157,050:90:0	
1806	1	219	14:58:09.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *2795.29 +/- 6	2R5	4	1	6,157,051:01:0	
1807	1	219	14:58:09.400	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,157,051:01:0	
1808	1	219	14:58:10.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2794.29 +/- 6	2R5	4	1	6,157,051:02:8	
1809	1	219	15:00:05.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2794.29 +/- 6	2R5	4	1	6,157,052:84:0	
1810	1	219	15:00:05.400	175IU422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,157,052:84:0	
1811	1	219	15:00:06.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2794.41 +/- 6	2R5	4	1	6,157,052:86:1	
1812	1	219	15:00:08.733	165IU4B	7VECT		Inert vect update UTC	2R5	4	1	6,157,052:89:0	
1813	1	219	15:00:12.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2795.65 +/- 6	2R5	4	1	6,157,053:03:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1814	1	219	15:00:13.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *2795.71 +/- 6	2R5	4	1	6,157,053:04:8
1815	1	219	15:00:16.733	175IU176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	6,157,053:10:0
1816	1	219	15:00:17.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *2789.41 +/- 6	2R5	4	1	6,157,053:10:8
1817	1	219	15:00:17.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 2789.41 +/- 7	2R5	4	1	6,157,053:10:8
1818	1	219	15:01:10.066	165JO4A	7SCAN	NORM,94.955,26.9	Check S/P Position	2R5	4	1	6,157,053:90:0
1819	1	219	15:01:11.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *2599.09 +/- 7	2R5	4	1	6,157,054:01:0
1820	1	219	15:01:11.400	175IU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,157,054:01:0
1821	1	219	15:01:12.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2598.09 +/- 7	2R5	4	1	6,157,054:02:8
1822	1	219	15:03:07.400	175JO422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,157,055:84:0
1823	1	219	15:03:07.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2598.09 +/- 7	2R5	4	1	6,157,055:84:0
1824	1	219	15:03:08.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2598.21 +/- 7	2R5	4	1	6,157,055:86:1
1825	1	219	15:03:10.733	165JO4B	7VECT		Inert vect update UTC	2R5	4	1	6,157,055:89:0
1826	1	219	15:03:14.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2599.45 +/- 7	2R5	4	1	6,157,056:03:0
1827	1	219	15:03:15.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *2599.51 +/- 7	2R5	4	1	6,157,056:04:8
1828	1	219	15:03:18.733	175JO176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	6,157,056:10:0
1829	1	219	15:03:19.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 2593.21 +/- 7	2R5	4	1	6,157,056:10:8
1830	1	219	15:03:19.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *2593.21 +/- 7	2R5	4	1	6,157,056:10:8
1831	1	219	15:04:13.400	175JO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,157,057:01:0
1832	1	219	15:04:13.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *2402.90 +/- 7	2R5	4	1	6,157,057:01:0
1833	1	219	15:04:14.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2401.90 +/- 7	2R5	4	1	6,157,057:02:8
1834	1	219	15:12:17.400	165JP4A	7SCAN	NORM,95.224999,2	Check S/P Position	2R5	4	1	6,157,064:90:0
1835	1	219	15:15:15.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2401.90 +/- 7	2R5	4	1	6,157,067:84:0
1836	1	219	15:15:15.400	175JP422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,157,067:84:0
1837	1	219	15:15:16.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2402.02 +/- 7	2R5	4	1	6,157,067:86:1
1838	1	219	15:15:18.733	165JP4B	7VECT		Inert vect update UTC	2R5	4	1	6,157,067:89:0
1839	1	219	15:15:22.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2403.25 +/- 7	2R5	4	1	6,157,068:03:0
1840	1	219	15:15:23.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *2403.31 +/- 7	2R5	4	1	6,157,068:04:8
1841	1	219	15:15:26.733	175JP176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	6,157,068:10:0
1842	1	219	15:15:27.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 2397.01 +/- 7	2R5	4	1	6,157,068:10:8
1843	1	219	15:15:27.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *2397.01 +/- 7	2R5	4	1	6,157,068:10:8
1844	1	219	15:16:21.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *2206.70 +/- 7	2R5	4	1	6,157,069:01:0
1845	1	219	15:16:21.400	175JP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,157,069:01:0
1846	1	219	15:16:22.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2205.70 +/- 7	2R5	4	1	6,157,069:02:8
1847	1	219	15:28:28.066	165JR4A	7SCAN	NORM,95.447,26.9	Check S/P Position	2R5	4	1	6,157,080:90:0
1848	1	219	15:30:25.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2205.70 +/- 7	2R5	4	1	6,157,082:84:0
1849	1	219	15:30:25.400	175JR422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,157,082:84:0
1850	1	219	15:30:26.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2205.82 +/- 7	2R5	4	1	6,157,082:86:1
1851	1	219	15:30:28.733	165JR4B	7VECT		Inert vect update UTC	2R5	4	1	6,157,082:89:0
1852	1	219	15:30:32.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2207.05 +/- 7	2R5	4	1	6,157,083:03:0
1853	1	219	15:30:33.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *2207.11 +/- 7	2R5	4	1	6,157,083:04:8
1854	1	219	15:30:36.733	175JR176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	6,157,083:10:0
1855	1	219	15:30:37.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 2200.81 +/- 7	2R5	4	1	6,157,083:10:8
1856	1	219	15:30:37.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *2200.81 +/- 7	2R5	4	1	6,157,083:10:8
1857	1	219	15:31:30.066	165JS4A	7SCAN	NORM,94.558999,2	Check S/P Position	2R5	4	1	6,157,083:90:0
1858	1	219	15:31:31.400	175JR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,157,084:01:0
1859	1	219	15:31:31.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *2010.50 +/- 7	2R5	4	1	6,157,084:01:0
1860	1	219	15:31:32.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2009.50 +/- 7	2R5	4	1	6,157,084:02:8
1861	1	219	15:33:27.400	175JS422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,157,085:84:0
1862	1	219	15:33:27.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2009.50 +/- 7	2R5	4	1	6,157,085:84:0
1863	1	219	15:33:28.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2009.62 +/- 7	2R5	4	1	6,157,085:86:1
1864	1	219	15:33:30.733	165JS4B	7VECT		Inert vect update UTC	2R5	4	1	6,157,085:89:0
1865	1	219	15:33:34.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2010.85 +/- 7	2R5	4	1	6,157,086:03:0
1866	1	219	15:33:35.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *2010.91 +/- 7	2R5	4	1	6,157,086:04:8
1867	1	219	15:33:38.733	175JS176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	6,157,086:10:0
1868	1	219	15:33:39.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 2004.61 +/- 7	2R5	4	1	6,157,086:10:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	1	219	15:33:39.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *2004.61 +/- 7	2R5	4	1	6,157,086:10:8	
1870	1	219	15:34:33.400	175JS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,157,087:01:0	
1871	1	219	15:34:33.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *1814.30 +/- 7	2R5	4	1	6,157,087:01:0	
1872	1	219	15:34:34.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1813.30 +/- 7	2R5	4	1	6,157,087:02:8	
1873	1	219	15:37:58.066	488AN6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R5	4	1	6,157,090:35:0	
1874	1	219	15:45:32.066	488AN6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R5	4	1	6,157,097:79:0	
1875	1	219	15:45:39.400	165JT4A	7SCAN	NORM,94.783999,2	Check S/P Position	2R5	4	1	6,157,097:90:0	
1876	1	219	15:48:37.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1813.30 +/- 7	2R5	4	1	6,157,100:84:0	
1877	1	219	15:48:37.400	175JT422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,157,100:84:0	
1878	1	219	15:48:38.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1813.42 +/- 7	2R5	4	1	6,157,100:86:1	
1879	1	219	15:48:40.733	165JT4B	7VECT		Inert vect update UTC	2R5	4	1	6,157,100:89:0	
1880	1	219	15:48:44.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1814.66 +/- 7	2R5	4	1	6,157,101:03:0	
1881	1	219	15:48:45.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *1814.72 +/- 7	2R5	4	1	6,157,101:04:8	
1882	1	219	15:48:48.733	175JT176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	6,157,101:10:0	
1883	1	219	15:48:49.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 1808.42 +/- 7	2R5	4	1	6,157,101:10:8	
1884	1	219	15:48:49.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *1808.42 +/- 7	2R5	4	1	6,157,101:10:8	
1885	1	219	15:49:43.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *1618.10 +/- 7	2R5	4	1	6,157,102:01:0	
1886	1	219	15:49:43.400	175JT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,157,102:01:0	
1887	1	219	15:49:44.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1617.10 +/- 7	2R5	4	1	6,157,102:02:8	
1888	1	219	16:00:49.400	165JU4A	7SCAN	NORM,95.006,26.9	Check S/P Position	2R5	4	1	6,157,112:90:0	
1889	1	219	16:03:47.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1617.10 +/- 7	2R5	4	1	6,157,115:84:0	
1890	1	219	16:03:47.400	175JU422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R5	4	1	6,157,115:84:0	
1891	1	219	16:03:48.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1617.22 +/- 7	2R5	4	1	6,157,115:86:1	
1892	1	219	16:03:50.733	165JU4B	7VECT		Inert vect update UTC	2R5	4	1	6,157,115:89:0	
1893	1	219	16:03:54.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1618.46 +/- 7	2R5	4	1	6,157,116:03:0	
1894	1	219	16:03:55.266		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *1618.52 +/- 7	2R5	4	1	6,157,116:04:8	
1895	1	219	16:03:58.733	175JU176A6A	6TMREC	**HIM**	115.2 KBPS SSI + NIMS RECORD Record Mode	2R5	4	1	6,157,116:10:0	
1896	1	219	16:03:59.266		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 1612.22 +/- 7	2R5	4	1	6,157,116:10:8	
1897	1	219	16:03:59.266		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *1612.22 +/- 7	2R5	4	1	6,157,116:10:8	
1898	1	219	16:04:54.066		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *1419.56 +/- 7	2R5	4	1	6,157,117:02:0	
1899	1	219	16:04:54.066	175JU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	6,157,117:02:0	
1900	1	219	16:04:55.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1418.56 +/- 7	2R5	4	1	6,157,117:03:8	
1901	1	219	16:10:06.733	20KA4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R5	4	1	6,157,122:16:0	
1902	1	219	16:28:06.733	432JE6B	6RTDS2	NIMNCG,AACDSL,RT	AACS DESELECT	2R5	4	1	6,157,139:89:0	
1903	1	219	16:30:09.400	431MA6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	2R5	4	1	6,157,142:00:0	
1904	1	219	18:53:04.733	488AN6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R5	4	1	6,157,283:32:0	
1905	1	219	19:16:44.066	488AN6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R5	4	1	6,157,306:68:0	
1906	1	219	19:52:58.066	488AO6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R5	4	1	6,157,342:53:0	
1907	1	219	19:55:04.066	20UC4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2R5	4	1	6,157,344:60:0	
1908	1	219	19:55:54.066	20UC4B	7SLEW	DIS,POS,0.0	Stator movement	2R5	4	1	6,157,345:44:0	
1909	1	219	20:27:00.066	20RM4I	**7MODE**	**INT**	AACS INERTIAL MODE	2R5	4	1	6,157,376:22:0	
1910	1	219	20:42:00.066	20RM4K	7SLEW	INIT,POS,17.45	Stator movement	2R5	4	1	6,157,391:07:0	
1911	1	219	20:54:00.066	20RM4L	7SLEW	DIS,POS,0.0	Stator movement	2R5	4	1	6,157,402:86:0	
1912	1	219	21:01:00.066	20RM4M	7SLEW	INIT,NEG,17.45	Stator movement	2R5	4	1	6,157,409:79:0	
1913	1	219	21:13:00.066	20RM4N	7SLEW	DIS,POS,0.0	Stator movement	2R5	4	1	6,157,421:67:0	
1914	1	219	21:25:00.066	20RM4AH	**7MODE**	**CRU**	AACS CRUISE MODE	2R5	4	1	6,157,433:55:0	
1915	1	219	22:26:00.066	488AO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R5	4	1	6,157,493:85:0	
1916	1	220	00:00:00.066	480SD6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R5	4	1	6,157,586:82:0	
1917	1	220	00:06:40.066	480SD6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R5	4	1	6,157,593:45:0	
1918	**1**	**220**	**01:29:03.400**	**432SE6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**2R5**	**4**	**1**	**6,157,674:89:0**	
1919	1	220	01:46:45.400	488AO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R5	4	1	6,157,692:44:0	
1920	1	220	01:49:16.066	488AO6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R5	4	1	6,157,694:88:0	
1921	1	220	01:59:56.066	488AP6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R5	4	1	6,157,705:47:0	
1922	**1**	**220**	**08:19:35.400**	**432SF6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**2R5**	**4**	**1**	**6,158,081:00:0**	
1923	**1**	**220**	**08:25:59.400**	**31NNGRSPOT02-**		**-----START------**		**2R5**	**4**	**1**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1924	1	220	08:26:03.400	20DL5A	37PL		Program Load (halts microprocessor & unwri		4	1	6,158,087:36:0	
1925	1	220	08:26:06.733	20DL5B	37MRL		Memory Realocate (software operates from R		4	1	6,158,087:41:0	
1926	1	220	08:26:10.066	20DL6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	1	6,158,087:46:0	
1927	1	220	08:26:20.066	20DL6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	1	6,158,087:61:0	
1928	1	220	08:26:30.066	20DL5C	37IRT		Instrument Reset (goes into POR state)		4	0	6,158,087:76:0	
1929	1	220	08:26:33.400	20DL5D	37MN		Memory Normal (software operates from ROM)	260	4	0	6,158,087:81:0	
1930	1	220	08:28:22.733	31JNGRSPOT02-		-----START------		260	4	0	: :	
1931	1	220	08:28:34.733	20DL4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,158,089:81:0	
1932	1	220	08:28:59.400	31NNGRSPOT02-		-----STOP-------		2R0	4	0	: :	
1933	1	220	08:29:37.400	127DL4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	6,158,090:84:0	
1934	1	220	08:29:37.400	127DL	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	6,158,090:84:0	
1935	1	220	08:29:38.066	127DL4B	37ETB	07,C7,30,3C,D7,0	Loads wavelength edit table	2R3	4	0	6,158,090:85:0	
1936	1	220	08:29:46.066	127DL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,158,091:06:0	
1937	1	220	08:31:42.733	165DL4A	7SCAN	NORM,108.434999,	Check S/P Position	2R3	4	0	6,158,092:90:0	
1938	1	220	08:35:36.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1418.56 +/- 7	2R3	4	0	6,158,096:77:0	
1939	1	220	08:35:36.733	175DL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,158,096:77:0	
1940	1	220	08:35:36.733	117DL	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	6,158,096:77:0	
1941	1	220	08:35:38.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1418.68 +/- 7	2R3	4	0	6,158,096:79:1	
1942	1	220	08:35:43.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1419.92 +/- 7	2R3	4	0	6,158,096:87:0	
1943	1	220	08:35:44.600		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1419.98 +/- 7	2R3	4	0	6,158,096:88:8	
1944	1	220	08:35:45.400	175DL176A6A	6TMREC	LPU	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	6,158,096:90:0	
1945	1	220	08:35:46.000		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *1419.86 +/- 7	2R3	4	0	6,158,096:90:9	
1946	1	220	08:35:46.000		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1419.86 +/- 7	2R3	4	0	6,158,096:90:9	
1947	1	220	08:35:46.066	117DL105A106A4A	7STRP	0.040322,-0.0105	Slew =,0.06	2R3	4	0	6,158,097:00:0	
1948	1	220	08:35:54.066	31JNGRSPOT02-	NIMPBK	301DL	JUPITER GRS OBSERVATION	2R3	4	0	: :	
1949	1	220	08:50:16.733	117DL105A106A4B	7STRP	-0.038319,0.0150	Slew =12.01	2R3	4	0	6,158,111:32:0	
1950	1	220	08:50:42.066	117DL105A106A4C	7STRP	0.040322,-0.0105	Slew =,0.06	2R3	4	0	6,158,111:70:0	
1951	1	220	09:05:12.733	117DL105A106A4D	7STRP	-0.038319,0.0150	Slew =12.01	2R3	4	0	6,158,126:11:0	
1952	1	220	09:05:38.066	117DL105A106A4E	7STRP	0.040322,-0.0105	Slew =,0.06	2R3	4	0	6,158,126:49:0	
1953	1	220	09:19:46.066	31JNGRSPOT02-	DESELC	300DL	JUPITER GRS OBSERVATION	2R3	4	0	: :	
1954	1	220	09:19:56.066	175DL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,158,140:62:0	
1955	1	220	09:19:56.066	175DL6A	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	6,158,140:62:0	
1956	1	220	09:19:56.066		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC * 798.75 +/- 7	2R3	4	0	6,158,140:62:0	
1957	1	220	09:19:57.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 798.69 +/- 7	2R3	4	0	6,158,140:63:8	
1958	1	220	09:20:08.733	117DL11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	6,158,140:81:0	
1959	1	220	09:20:11.400	31JNGRSPOT02-		-----STOP-------		2R3	4	0	: :	
1960	1	220	09:26:28.733	20IP6A	6MCOPY	HLM1A,E415,B1A1A	HLM1A,E415,B1A1A,5000,506	2R3	4	0	6,158,147:14:0	
1961	1	220	09:37:56.066	165IM4A	7SCAN	NORM,117.082,23.	Check S/P Position	2R3	4	0	6,158,158:44:0	
1962	1	220	09:41:33.400	118IM	SMOS	GS		2R3	4	0	6,158,162:06:0	
1963	1	220	09:41:58.066	165IM4B	7VECT		Inert vect update UTC	2R3	4	0	6,158,162:43:0	
1964	1	220	09:42:03.400	118IM110A111A4A	7STRP	-0.00255,-0.0005	Slew =,1.31	2R3	4	0	6,158,162:51:0	
1965	1	220	09:42:34.066	118IM110A111A4B	7STRP	-0.00255,0.0005,	Slew =,1.31	2R3	4	0	6,158,163:06:0	
1966	1	220	09:42:52.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 798.69 +/- 7	2R3	4	0	6,158,163:33:0	
1967	1	220	09:42:52.066	175IM422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	6,158,163:33:0	
1968	1	220	09:42:53.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 798.81 +/- 7	2R3	4	0	6,158,163:35:1	
1969	1	220	09:42:58.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 800.04 +/- 7	2R3	4	0	6,158,163:43:0	
1970	1	220	09:42:59.933		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC * 800.10 +/- 7	2R3	4	0	6,158,163:44:8	
1971	1	220	09:43:03.400	175IM176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	6,158,163:50:0	
1972	1	220	09:43:03.933		DMS:	: *RECORD	R115, TRACK 2, REV, TIC * 793.80 +/- 7	2R3	4	0	6,158,163:50:8	
1973	1	220	09:43:03.933		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 793.80 +/- 7	2R3	4	0	6,158,163:50:8	
1974	1	220	09:43:04.733	118IM110A111A4C	7STRP	-0.00255,-0.0005	Slew =,1.31	2R3	4	0	6,158,163:52:0	
1975	1	220	09:43:29.400	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,158,163:89:0	
1976	1	220	09:43:29.400		DMS:	: *RUNDOWN	R115, TRACK 2, REV, TIC * 704.27 +/- 7	2R3	4	0	6,158,163:89:0	
1977	1	220	09:43:30.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 703.27 +/- 7	2R3	4	0	6,158,163:90:8	
1978	1	220	09:43:35.400	118IM11A	SMOS	GE		2R3	4	0	6,158,164:07:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1979	1	220	09:47:24.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 703.27 +/- 7	2R3	4	0	6,158,167:77:0	
1980	1	220	09:47:24.066	175KA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	6,158,167:77:0	
1981	1	220	09:47:25.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 703.39 +/- 7	2R3	4	0	6,158,167:79:1	
1982	1	220	09:47:30.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 704.62 +/- 7	2R3	4	0	6,158,167:87:0	
1983	1	220	09:47:31.933		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 704.68 +/- 7	2R3	4	0	6,158,167:88:8	
1984	1	220	09:47:32.733	175KA176A6A	6TMREC	**LPW**	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	6,158,167:90:0	
1985	1	220	09:47:33.333		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 704.56 +/- 7	2R3	4	0	6,158,167:90:9	
1986	1	220	09:47:33.333		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 704.56 +/- 7	2R3	4	0	6,158,167:90:9	
1987	1	220	09:47:40.066	175KA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	6,158,168:10:0	
1988	1	220	09:47:40.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 702.99 +/- 7	2R3	4	0	6,158,168:10:0	
1989	1	220	09:47:41.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 702.93 +/- 7	2R3	4	0	6,158,168:11:8	
1990	1	220	09:49:41.400	20KB4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R3	4	0	6,158,170:10:0	
1991	**1**	**220**	**09:59:16.066**	**31NNRELOAD01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1992	**1**	**220**	**09:59:21.400**	**20FN5A**	**37PL**		**Program Load (halts microprocessor & unwri**		**4**	**0**	**6,158,179:61:0**	
1993	**1**	**220**	**09:59:24.733**	**20FN5B**	**37MRL**		**Memory Realocate (software operates from R**		**4**	**0**	**6,158,179:66:0**	
1994	**1**	**220**	**09:59:28.066**	**20FN6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**		**4**	**0**	**6,158,179:71:0**	
1995	**1**	**220**	**09:59:38.066**	**20FN6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**		**4**	**0**	**6,158,179:86:0**	
1996	**1**	**220**	**09:59:52.066**	**20FN5C**	**37IRT**		**Instrument Reset (goes into POR state)**		**4**	**0**	**6,158,180:16:0**	
1997	**1**	**220**	**09:59:55.400**	**20FN5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**6,158,180:21:0**	
1998	**1**	**220**	**10:00:35.400**	**20FN4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**6,158,180:81:0**	
1999	1	220	10:01:38.066	127FN	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	6,158,181:84:0	
2000	**1**	**220**	**10:01:38.066**	**127FN4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**6,158,181:84:0**	
2001	**1**	**220**	**10:01:38.733**	**127FN4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**6,158,181:85:0**	
2002	1	220	10:01:46.733	127FN11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	6,158,182:06:0	
2003	**1**	**220**	**10:02:16.066**	**31NNRELOAD01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2004	**1**	**220**	**10:04:40.066**	**127FO4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**2R0**	**4**	**0**	**6,158,184:84:0**	
2005	1	220	10:04:40.066	127FO	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	6,158,184:84:0	
2006	**1**	**220**	**10:04:40.066**	**31NNCHOPOF01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2007	**1**	**220**	**10:04:40.733**	**127FO4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**2R0**	**4**	**0**	**6,158,184:85:0**	
2008	1	220	10:04:48.733	127FO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R0	4	0	6,158,185:06:0	
2009	**1**	**220**	**10:06:41.400**	**125FN4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**6,158,186:84:0**	
2010	1	220	10:06:41.400	125FN	NIMSINIT	GS	##### GROUP START INIT	260	4	0	6,158,186:84:0	
2011	**1**	**220**	**10:07:42.066**	**125FN4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**2O0**	**4**	**0**	**6,158,187:84:0**	
2012	**1**	**220**	**10:08:42.733**	**31NNCHOPOF01-**		**-----STOP-------**		**2O0**	**4**	**0**	**: :**	
2013	1	220	10:08:42.733	125FN11A	NIMSINIT	GE	##### GROUP END INIT	2O0	4	0	6,158,188:84:0	
2014	**1**	**220**	**10:08:42.733**	**125FN4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2O0**	**4**	**0**	**6,158,188:84:0**	
2015	1	220	13:41:50.666	488AQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,158,399:65:0	
2016	1	220	16:12:26.666	488AQ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,158,548:60:0	
2017	1	220	16:19:40.000	488AQ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,158,555:73:0	
2018	1	220	19:27:12.000	488AQ6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,158,741:25:0	
2019	1	220	19:38:04.000	488AQ6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,158,752:02:0	
2020	1	220	19:54:04.000	20UD4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,158,767:77:0	
2021	1	220	19:54:54.000	20UD4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,158,768:61:0	
2022	1	220	19:59:16.666	176UA6A	6TMREC	**IPB**	INITIATE PLAYBACK (PB CONTROL) Record Mod	2O0	4	0	6,158,773:00:0	
2023	1	220	20:53:04.666	488AR6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,158,826:19:0	
2024	1	220	21:30:08.666	488AR6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,158,862:79:0	
2025	1	221	01:25:48.000	488AR6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,159,095:85:0	
2026	1	221	02:03:06.666	488AR6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,159,132:76:0	
2027	1	221	02:14:52.000	488AR6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,159,144:42:0	
2028	1	221	02:51:08.000	488AS6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,159,180:30:0	
2029	1	221	10:02:16.000	488AT6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,159,606:66:0	
2030	1	221	10:31:56.000	488AT6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,159,636:06:0	
2031	1	221	11:23:00.666	488AT6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,159,686:53:0	
2032	1	221	12:00:04.666	488AT6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,159,723:22:0	
2033	1	221	12:03:40.000	488AT6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,159,726:72:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2034	1	221	15:37:55.333	488AU6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,159,938:63:0
2035	1	221	15:45:32.000	488AU6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,159,946:20:0
2036	1	221	18:52:18.666	488AU6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,160,130:86:0
2037	1	221	19:27:24.000	488AU6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,160,165:59:0
2038	1	221	20:07:58.666	488AU6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,160,205:71:0
2039	1	221	20:45:02.600	488AV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,160,242:40:0
2040	1	221	20:54:42.600	176UB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,160,252:00:0
2041	1	221	20:59:59.933		DMS:	: READY	RDY, TRACK 2, REV, TIC 702.93 +/- 7	2O0	4	0	6,160,257:21:0
2042	**1**	**221**	**21:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**6,160,257:21:1**
2043	**1**	**221**	**21:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**6,160,257:21:1**
2044	**1**	**221**	**21:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**6,160,257:21:1**
2045	**1**	**221**	**21:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**6,160,257:21:1**
2046	**1**	**221**	**21:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**6,160,257:21:1**
2047	**1**	**221**	**21:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**6,160,257:21:1**
2048	**1**	**221**	**21:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**6,160,257:21:1**
2049	**1**	**221**	**21:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**6,160,257:21:1**
2050	**1**	**221**	**21:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**6,160,257:21:1**

			Sequence:	I31B-AR		Created: 11/19/01	Begin: 01-221/21:00:00 Finish: 01-287/02:00:00					
Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1	1	221	20:59:59.933		DMS:	: READY	RDY, TRACK 2, REV, TIC 702.93 +/- 7	2O0	4	0	6,160,257:21:0	
2	**1**	**221**	**21:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**6,160,257:21:1**	
3	**1**	**221**	**21:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**6,160,257:21:1**	
4	**1**	**221**	**21:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**6,160,257:21:1**	
5	**1**	**221**	**21:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**6,160,257:21:1**	
6	**1**	**221**	**21:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**6,160,257:21:1**	
7	**1**	**221**	**21:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**6,160,257:21:1**	
8	**1**	**221**	**21:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**6,160,257:21:1**	
9	**1**	**221**	**21:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**6,160,257:21:1**	
10	**1**	**221**	**21:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**6,160,257:21:1**	
11	1	221	21:01:15.933	488AA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,160,258:44:0	
12	**1**	**221**	**21:02:46.600**	**432JA6B**	**6RTDS2**	**NIMDSL,AACDSL,RT**	**NIMS R/T DESELECTAACS DESELECT**	**2O0**	**4**	**0**	**6,160,259:89:0**	
13	1	221	21:04:03.933	20SG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,160,261:23:0	
14	1	221	21:04:53.933	20SG4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,160,262:07:0	
15	1	221	21:06:50.600	176SA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,160,264:00:0	
16	1	222	01:30:03.933	488AA6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,160,524:30:0	
17	1	222	02:01:09.266	488AA6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,160,555:07:0	
18	1	222	02:14:51.933	488AA6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,160,568:58:0	
19	1	222	02:51:07.933	488AA6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,160,604:46:0	
20	1	222	09:57:22.600	488AB6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,161,026:06:0	
21	1	222	10:23:23.933	488AB6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,161,051:73:0	
22	1	222	11:22:54.600	488AB6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,161,110:60:0	
23	1	222	11:48:43.933	488AB6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,161,136:18:0	
24	1	222	11:57:47.933	488AB6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,161,145:15:0	
25	1	222	15:27:38.600	488AC6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,161,352:64:0	
26	1	222	15:34:51.933	488AC6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,161,359:77:0	
27	1	222	18:47:24.600	488AC6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,161,550:25:0	
28	1	222	18:52:59.933	488AC6D	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	2O0	4	0	6,161,555:73:0	
29	1	222	18:56:13.933	176SP6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,161,559:00:0	
30	1	222	19:18:51.933	488AC6E	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,161,581:35:0	
31	1	222	19:23:59.933	20AA4AA	7STAT	10.00,132.3468,-	Stator inertial point	2O0	4	0	6,161,586:42:0	
32	1	222	19:24:11.933	20AA6AA	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	2O0	4	0	6,161,586:60:0	
33	1	222	19:29:59.933	474AA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	6,161,592:36:0	
34	1	222	19:31:59.933	474AA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,161,594:34:0	
35	1	222	19:32:19.933	20AA4AD	7STAT	17.45,132.3468,-	Stator inertial point	2O0	4	0	6,161,594:64:0	
36	1	222	19:36:13.933	474AA416A4E	7BURN	,132.3468,-60.99	ALERT -- Thruster fire	2O0	4	0	6,161,598:51:0	
37	1	222	19:58:45.266	20AA4AI	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,161,620:76:0	
38	1	222	20:02:51.266	488AD6A	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,161,624:81:0	
39	1	222	20:03:37.266	20AA4AJ	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,161,625:59:0	
40	1	222	20:39:55.266	488AD6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,161,661:50:0	
41	1	222	21:11:09.266	20AB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,161,692:40:0	
42	1	222	21:11:59.266	20AB4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,161,693:24:0	
43	1	222	21:12:43.933	176AA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,161,694:00:0	
44	1	223	01:30:03.933	488AD6C	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	2O0	4	0	6,161,948:46:0	
45	1	223	01:58:38.600	488AD6D	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	2O0	4	0	6,161,976:70:0	
46	1	223	02:00:59.933	488AD6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,161,979:09:0	
47	1	223	02:04:56.600	176SQ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,161,983:00:0	
48	1	223	02:10:35.933	488AE6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,161,988:54:0	
49	1	223	02:46:51.933	488AE6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,162,024:42:0	
50	1	223	09:47:29.200	488AF6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,162,440:42:0	
51	1	223	09:53:31.866	488AF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,162,446:40:0	
52	1	223	10:27:39.866	488AF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,162,480:18:0	
53	1	223	15:28:31.200	488AF6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,162,777:68:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
54	1	223	22:27:11.200	488AG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,163,191:74:0
55	1	223	23:04:59.866	488AG6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,163,229:19:0
56	1	223	23:22:59.866	488AG6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,163,247:01:0
57	1	223	23:26:01.200	176SE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,163,250:00:0
58	1	223	23:35:59.866	20RA4C	7STAT	10.00,277.19,-23	Stator inertial point	2O0	4	0	6,163,259:79:0
59	1	223	23:36:11.866	20RA6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	2O0	4	0	6,163,260:06:0
60	1	223	23:55:01.866	490UA412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	6,163,278:63:0
61	1	223	23:57:44.533	488AG6D	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,163,281:34:0
62	1	223	23:59:59.866	490UA412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,163,283:55:0
63	1	224	00:00:19.866	20RA4D	7STAT	17.45,277.19,-23	Stator inertial point	2O0	4	0	6,163,283:85:0
64	1	224	00:04:09.866	490UA412A4E	7VECT		Inert vect update UTC	2O0	4	0	6,163,287:66:0
65	1	224	00:04:13.866	490UA412A4F	7TURN	2,RTH	ALERT Thruster	2O0	4	0	6,163,287:72:0
66	1	224	00:08:01.866	490UA412A406A4A	7STAR	1,1307,23.966,-5	Star catalog update	2O0	4	0	6,163,291:50:0
67	1	224	00:08:03.866	490UA412A406A4B	7STAR	2,333,138.16	Star catalog update	2O0	4	0	6,163,291:53:0
68	1	224	00:08:05.866	490UA412A406A4C	7STAR	3,110,186.82	Star catalog update	2O0	4	0	6,163,291:56:0
69	1	224	00:08:07.866	490UA412A406A4D	7STAR	4,167,345.57	Star catalog update	2O0	4	0	6,163,291:59:0
70	1	224	00:08:09.866	490UA412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	2O0	4	0	6,163,291:62:0
71	1	224	00:08:11.866	490UA412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2O0	4	0	6,163,291:65:0
72	1	224	00:18:05.866	20RA4F	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,163,301:46:0
73	1	224	00:26:09.866	490UA412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,163,309:44:0
74	1	224	00:34:48.533	488AG6E	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2O0	4	0	6,163,318:03:0
75	1	224	01:30:03.866	488AH6A	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	2O0	4	0	6,163,372:62:0
76	1	224	01:56:41.200	488AH6B	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	2O0	4	0	6,163,399:01:0
77	1	224	01:59:59.866	481UA4A	7VECT		Inert vect update UTC	2O0	4	0	6,163,402:26:0
78	1	224	02:00:03.866	20UA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,163,402:32:0
79	1	224	02:00:53.866	20UA4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,163,403:16:0
80	1	224	02:00:59.866	488AH6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,163,403:25:0
81	1	224	02:02:44.533	176SK6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,163,405:00:0
82	1	224	02:10:35.866	488AH6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,163,412:70:0
83	1	224	02:46:51.866	488AH6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,163,448:58:0
84	1	224	09:47:35.200	488AI6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,163,864:67:0
85	1	224	09:53:31.866	488AI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,163,870:56:0
86	1	224	10:23:23.866	488AI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,163,900:14:0
87	1	224	15:33:37.200	488AI6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,164,206:88:0
88	1	224	18:37:17.133	488AJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,164,388:56:0
89	1	224	20:03:39.800	488AJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,164,474:04:0
90	1	224	20:56:11.800	176UW6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,164,526:00:0
91	1	224	21:01:59.800	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,164,531:67:0
92	1	224	21:02:59.800	20UQ4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2O0	4	0	6,164,532:66:0
93	1	224	21:04:59.800	20UQ4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,164,534:64:0
94	1	224	21:10:29.800	20UQ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	6,164,540:13:0
95	1	224	21:10:30.466	20UQ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	6,164,540:14:0
96	1	224	21:10:50.466	20UQ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	6,164,540:44:0
97	1	224	21:10:51.133	20UQ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	6,164,540:45:0
98	1	224	21:11:11.133	20UQ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	6,164,540:75:0
99	1	224	21:11:11.800	20UQ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	6,164,540:76:0
100	1	224	21:11:21.800	20UQ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	6,164,541:00:0
101	1	224	21:11:22.466	20UQ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	6,164,541:01:0
102	1	224	21:11:32.466	20UQ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	6,164,541:16:0
103	1	224	21:11:33.133	20UQ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	6,164,541:17:0
104	1	224	21:13:19.800	20UQ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	6,164,542:86:0
105	1	224	21:13:20.466	20UQ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	6,164,542:87:0
106	1	224	21:13:40.466	20UQ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	6,164,543:26:0
107	1	224	21:13:41.133	20UQ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	6,164,543:27:0
108	1	224	21:14:01.133	20UQ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	6,164,543:57:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	1	224	21:14:01.800	20UQ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	6,164,543:58:0	
110	1	224	21:14:11.800	20UQ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	6,164,543:73:0	
111	1	224	21:14:12.466	20UQ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	6,164,543:74:0	
112	1	224	21:14:22.466	20UQ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	6,164,543:89:0	
113	1	224	21:14:23.133	20UQ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	6,164,543:90:0	
114	1	224	21:15:19.800	20UQ4Z	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,164,544:84:0	
115	1	224	21:40:03.800	20UW4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,164,569:35:0	
116	1	224	21:40:53.800	20UW4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,164,570:19:0	
117	1	224	21:42:42.466	176UX6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,164,572:00:0	
118	1	225	00:34:35.800	488AJ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,164,742:00:0	
119	1	225	01:03:29.800	488AK6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,164,770:53:0	
120	1	225	01:10:51.800	488AK6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,164,777:79:0	
121	1	225	09:53:41.800	488AL6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,165,294:87:0	
122	1	225	10:02:03.800	488AL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,165,303:21:0	
123	1	225	11:48:43.800	488AL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,165,408:66:0	
124	1	225	13:46:01.800	488AL6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,165,524:67:0	
125	1	225	13:50:19.800	488AL6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,165,528:90:0	
126	1	226	20:02:29.733	488AM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,167,321:22:0	
127	1	226	21:31:07.733	488AM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,167,408:82:0	
128	1	226	21:32:26.400	488AM6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,167,410:18:0	
129	1	226	21:58:51.733	488AM6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,167,436:30:0	
130	1	226	22:04:41.733	488AM6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,167,442:09:0	
131	1	226	23:32:17.733	488AN6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,167,528:67:0	
132	1	227	00:01:23.733	488AN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,167,557:47:0	
133	1	227	00:40:59.733	488AN6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,167,596:62:0	
134	1	227	01:55:24.400	488AN6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,167,670:25:0	
135	1	227	01:59:55.733	488AN6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,167,674:68:0	
136	1	227	02:14:51.733	488AO6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,167,689:47:0	
137	1	227	19:33:47.666	488AP6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,168,717:03:0	
138	1	227	21:24:33.666	488AP6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,168,826:53:0	
139	1	228	00:45:15.666	488AP6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,169,025:07:0	
140	1	228	01:50:49.666	488AQ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,169,089:84:0	
141	1	228	01:55:39.666	488AQ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,169,094:64:0	
142	1	228	02:10:35.666	488AQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,169,109:43:0	
143	1	228	18:22:41.666	488AR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,170,070:81:0	
144	1	228	19:27:23.666	488AR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,170,134:80:0	
145	1	229	00:45:15.600	488AS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,170,449:23:0	
146	1	229	01:45:32.933	488AS6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,170,508:80:0	
147	1	229	01:51:23.600	488AS6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,170,514:60:0	
148	1	229	02:27:39.600	488AS6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,170,550:48:0	
149	1	229	09:23:05.600	488AT6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,170,961:36:0	
150	1	229	09:27:55.600	488AT6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,170,966:16:0	
151	1	229	09:38:35.600	488AT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,170,976:66:0	
152	1	229	11:12:27.600	488AT6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,171,069:51:0	
153	1	229	15:15:26.266	488AT6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,171,309:79:0	
154	1	229	15:19:55.600	488AU6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,171,314:28:0	
155	1	229	18:23:07.600	488AU6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,171,495:45:0	
156	1	229	18:27:39.600	488AU6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,171,499:89:0	
157	1	229	19:08:11.600	488AU6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,171,540:06:0	
158	1	229	19:44:12.933	488AU6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,171,575:63:0	
159	1	229	20:17:52.266	488AV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,171,608:89:0	
160	1	230	00:55:55.600	488AV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,171,883:89:0	
161	1	230	01:37:58.266	488AV6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,171,925:51:0	
162	1	230	01:44:59.600	488AV6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,171,932:46:0	
163	1	230	02:21:15.600	488AW6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,171,968:34:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	1	230	09:23:12.200	488AX6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,172,385:62:0	
165	1	230	09:27:55.533	488AX6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,172,390:32:0	
166	1	230	09:38:35.533	488AX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,172,400:82:0	
167	1	230	11:08:11.533	488AX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,172,489:47:0	
168	1	230	15:16:14.866	488AX6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,172,734:77:0	
169	1	230	15:19:55.533	488AY6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,172,738:44:0	
170	1	230	18:17:53.533	488AY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,172,914:45:0	
171	1	230	19:18:51.533	488AY6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,172,974:72:0	
172	1	231	00:40:59.533	488AZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,173,293:35:0	
173	1	231	01:29:06.866	488AZ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,173,340:89:0	
174	1	231	01:36:27.533	488AZ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,173,348:22:0	
175	1	231	09:24:17.533	488BA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,173,810:85:0	
176	1	231	09:34:19.533	488BA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,173,820:78:0	
177	1	231	11:03:55.533	488BA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,173,909:43:0	
178	1	231	18:06:19.533	488BB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,174,327:21:0	
179	1	231	19:14:35.466	488BB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,174,394:68:0	
180	1	232	00:10:50.133	488BC6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,174,687:67:0	
181	1	232	00:15:23.466	488BC6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,174,692:22:0	
182	1	232	09:18:24.133	488BD6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,175,229:26:0	
183	1	232	09:23:39.466	488BD6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,175,234:44:0	
184	1	232	09:53:31.466	488BD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,175,264:02:0	
185	1	232	10:48:57.466	488BD6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,175,318:77:0	
186	1	232	11:22:36.133	488BD6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,175,352:11:0	
187	1	232	13:44:26.133	488BE6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,175,492:36:0	
188	1	233	18:08:12.733	488BF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,177,177:41:0	
189	1	233	19:03:55.400	488BF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,177,232:50:0	
190	1	234	00:36:43.400	488BG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,177,561:63:0	
191	1	234	01:34:02.066	488BG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,177,618:34:0	
192	1	234	01:36:27.400	488BG6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2O0	4	0	6,177,620:70:0	
193	1	234	01:51:23.400	488BG6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,177,635:49:0	
194	1	234	09:19:36.733	488BH6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,178,078:76:0	
195	1	234	09:30:03.400	488BH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,178,089:15:0	
196	1	234	10:48:59.400	488BH6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,178,167:21:0	
197	1	234	14:16:16.733	488BH6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,178,372:22:0	
198	1	234	14:20:11.400	488BH6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,178,376:10:0	
199	1	234	18:04:38.666	488BI6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,178,598:09:0	
200	1	234	18:44:43.333	488BI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,178,637:67:0	
201	1	234	19:23:43.333	488BI6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,178,676:28:0	
202	1	234	19:57:22.666	488BI6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,178,709:54:0	
203	1	235	00:51:39.333	488BJ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,179,000:58:0	
204	1	235	01:26:00.000	488BJ6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,179,034:55:0	
205	1	235	01:32:11.333	488BJ6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,179,040:66:0	
206	1	235	02:08:27.333	488BJ6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,179,076:54:0	
207	1	235	09:14:42.666	488BK6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,179,498:15:0	
208	1	235	09:23:39.333	488BK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,179,507:01:0	
209	1	235	10:44:43.333	488BK6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,179,587:17:0	
210	1	235	13:47:30.666	488BK6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,179,767:88:0	
211	1	235	21:56:38.666	488BL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,180,251:66:0	
212	1	235	22:53:00.000	488BL6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2O0	4	0	6,180,307:42:0	
213	1	235	22:56:34.666	176UE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,180,311:00:0	
214	1	235	23:23:30.000	20SP4I	**7MODE**	**INT**	AACS INERTIAL MODE	2O0	4	0	6,180,337:57:0	
215	1	235	23:38:30.000	20SP4K	7SLEW	INIT,POS,17.45	Stator movement	2O0	4	0	6,180,352:42:0	
216	1	235	23:50:30.000	20SP4L	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,180,364:30:0	
217	1	235	23:57:30.000	20SP4M	7SLEW	INIT,NEG,17.45	Stator movement	2O0	4	0	6,180,371:23:0	
218	1	236	00:09:30.000	20SP4N	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,180,383:11:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	1	236	00:16:30.000	20SP4O	7SLEW	INIT,POS,4.36	Stator movement	2O0	4	0	6,180,390:04:0	
220	1	236	00:28:30.000	20SP4P	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,180,401:83:0	
221	1	236	00:30:19.333	488BL6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	6,180,403:65:0	
222	1	236	00:35:30.000	20SP4Q	7SLEW	INIT,NEG,4.36	Stator movement	2O0	4	0	6,180,408:76:0	
223	1	236	00:47:30.000	20SP4R	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,180,420:64:0	
224	1	236	00:59:30.000	20SP4AH	**7MODE**	**CRU**	AACS CRUISE MODE	2O0	4	0	6,180,432:52:0	
225	1	236	01:14:59.933	488BL6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,180,447:82:0	
226	1	236	01:15:03.933	20UP4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,180,447:88:0	
227	1	236	01:15:53.933	20UP4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,180,448:72:0	
228	1	236	01:17:07.266	176UF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,180,450:00:0	
229	1	236	01:27:19.266	488BL6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,180,460:08:0	
230	1	236	01:32:11.266	488BM6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,180,464:82:0	
231	1	236	02:08:27.266	488BM6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,180,500:70:0	
232	1	236	09:14:48.600	488BN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,180,922:40:0	
233	1	236	09:23:39.266	488BN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,180,931:17:0	
234	1	236	10:38:19.266	488BN6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,181,005:03:0	
235	1	236	13:47:29.266	488BN6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,181,192:11:0	
236	1	236	13:52:27.266	488BN6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,181,197:03:0	
237	1	236	17:58:31.266	488BO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,181,440:36:0	
238	1	236	18:48:59.266	488BO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,181,490:28:0	
239	1	237	00:32:27.266	488BP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,181,830:00:0	
240	1	237	01:21:13.266	488BP6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,181,878:21:0	
241	1	237	01:25:47.266	488BP6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,181,882:68:0	
242	1	237	02:02:03.266	488BP6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,181,918:56:0	
243	1	237	09:09:55.266	488BQ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,182,341:71:0	
244	1	237	09:34:19.266	488BQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,182,365:83:0	
245	1	237	10:38:25.933	488BQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,182,429:29:0	
246	1	237	11:12:05.200	488BQ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,182,462:55:0	
247	1	237	17:04:58.533	488BR6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,182,811:56:0	
248	1	237	17:53:37.200	488BR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,182,859:66:0	
249	1	237	18:39:13.866	488BR6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,182,904:76:0	
250	1	237	18:44:43.200	488BR6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,182,910:24:0	
251	1	237	19:10:16.533	488BR6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,182,935:49:0	
252	1	238	00:26:03.200	488BS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,183,247:77:0	
253	1	238	01:20:14.533	488BS6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,183,301:40:0	
254	1	238	01:25:47.200	488BS6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,183,306:84:0	
255	1	238	02:02:03.200	488BS6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,183,342:72:0	
256	1	238	09:05:01.866	488BT6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,183,761:11:0	
257	1	238	09:15:07.200	488BT6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,183,771:09:0	
258	1	238	10:29:47.200	488BT6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,183,844:86:0	
259	1	238	17:02:09.200	488BU6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	6,184,233:00:0	
260	1	238	17:06:35.200	488BU6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,184,237:35:0	
261	1	238	17:55:03.866	488BU6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,184,285:30:0	
262	1	238	18:29:47.200	488BU6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,184,319:61:0	
263	1	238	19:13:17.200	488BU6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,184,362:63:0	
264	1	238	19:46:56.533	488BV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,184,395:89:0	
265	**1**	**238**	**22:00:29.700**	**31NNRCTRLT01-**		**-----START------**		**2O0**	**4**	**0**	**: :**	
266	1	238	22:11:33.133	176XU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	6,184,539:00:0	
267	1	238	22:14:39.133	20XE4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2O0	4	0	6,184,542:06:0	
268	1	238	22:18:45.800	20DE4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	2O0	4	0	6,184,546:12:0	
269	1	238	22:19:35.800	20DE4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	6,184,546:87:0	
270	1	238	22:21:39.800	176XV6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	6,184,549:00:0	
271	**1**	**238**	**22:22:40.466**	**185XE10A3A**	**40HRP**	**1**	**RCT Heater ON (primary relay)**	**2O0**	**4**	**0**	**6,184,550:00:0**	
272	**1**	**238**	**22:22:45.800**	**185XE10B3A**	**40HRP**	**2**	**RCT Heater ON (primary relay)**	**2O0**	**4**	**0**	**6,184,550:08:0**	
273	1	239	00:40:59.133	488BV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,184,686:72:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	1	239	01:14:21.133	488BV6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,184,719:72:0	
275	1	239	01:21:31.133	488BV6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	6,184,726:80:0	
276	1	239	01:57:47.133	488BW6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,184,762:68:0	
277	1	239	09:05:07.800	488BX6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	6,185,185:36:0	
278	1	239	09:30:03.133	488BX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	6,185,210:04:0	
279	1	239	10:14:15.133	20DC5A	37PL		Program Load (halts microprocessor & unwri		4	0	6,185,253:69:0	
280	1	239	10:14:22.466	20DC5B	37MRL		Memory Realocate (software operates from R		4	0	6,185,253:80:0	
281	1	239	10:14:30.466	20DC6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7		4	0	6,185,254:01:0	
282	1	239	10:14:40.466	20DC6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D		4	0	6,185,254:16:0	
283	1	239	10:14:50.466	20DC5C	37IRT		Instrument Reset (goes into POR state)		4	0	6,185,254:31:0	
284	1	239	10:14:51.800	20DC5D	37MN		Memory Normal (software operates from ROM)	260	4	0	6,185,254:33:0	
285	1	239	10:17:27.133	125XE	NIMSINIT	GS	##### GROUP START INIT	260	4	0	6,185,256:84:0	
286	1	239	10:17:27.133	125XE4A	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	260	4	0	6,185,256:84:0	
287	1	239	10:18:27.800	125XE4B	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	6,185,257:84:0	
288	1	239	10:19:28.466	125XE4C	37IST	0,2,0,OFF,0,1,3	Gain State 1	1R0	4	0	6,185,258:84:0	
289	1	239	10:20:29.133	125XE11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	6,185,259:84:0	
290	1	239	10:20:29.133	125XE4D	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	1R0	4	0	6,185,259:84:0	
291	1	239	10:22:30.466	127XE	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	6,185,261:84:0	
292	1	239	10:22:30.466	127XE4A	37IOP	3,0	Long Map, Grating Start Position =00	1R3	4	0	6,185,261:84:0	
293	1	239	10:22:31.133	127XE4B	37ETB	0A,CA,18,03,FF,1	Loads wavelength edit table	1R3	4	0	6,185,261:85:0	
294	1	239	10:22:39.133	127XE11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	6,185,262:06:0	
295	1	239	10:26:37.800	176XE6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	6,185,266:00:0	
296	1	239	10:28:15.800	185XE10C3A	40HRPR	1	RCT Heater OFF (primary relay)	1R3	4	0	6,185,267:56:0	
297	1	239	10:28:21.133	185XE10D3A	40HRPR	2	RCT Heater OFF (primary relay)	1R3	4	0	6,185,267:64:0	
298	1	239	10:28:39.800	20SX4A	7SCAN	NORM,89.74,23.22	Check S/P Position	1R3	4	0	6,185,268:01:0	
299	1	239	10:32:41.800	192XE4A	7CONE	17.0,0.0	Check S/P Position	1R3	4	0	6,185,272:00:0	
300	1	239	10:33:01.800	432XE6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	1R3	4	0	6,185,272:30:0	
301	1	239	10:33:13.133	488BX6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1R3	4	0	6,185,272:47:0	
302	1	239	10:41:05.800	432XF6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	1R3	4	0	6,185,280:28:0	
303	1	239	10:44:49.800	192XE4B	7CONE	17.0,119.7	Check S/P Position	1R3	4	0	6,185,284:00:0	
304	1	239	10:47:11.133	432XU6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	1R3	4	0	6,185,286:30:0	
305	1	239	10:49:11.133	432XV6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	1R3	4	0	6,185,288:28:0	
306	1	239	10:50:53.800	192XE4C	7CONE	17.0,153.0	Check S/P Position	1R3	4	0	6,185,290:00:0	
307	1	239	10:57:53.800	127XF	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	6,185,296:84:0	
308	1	239	10:57:53.800	127XF4A	37IOP	0,0	Safe, Grating Start Position =00	1R0	4	0	6,185,296:84:0	
309	1	239	10:57:54.466	127XF4B	37ETB	04,C4,02,00,00	Loads wavelength edit table	1R0	4	0	6,185,296:85:0	
310	1	239	10:58:02.466	127XF11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R0	4	0	6,185,297:06:0	
311	1	239	11:00:55.800	125XF4A	37MB	0,0,0,0,0,0	Selects mirror (spatial) edit table	1R0	4	0	6,185,299:84:0	
312	1	239	11:00:55.800	125XF	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	6,185,299:84:0	
313	1	239	11:01:56.466	125XF4B	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	160	4	0	6,185,300:84:0	
314	1	239	11:02:57.133	125XF11A	NIMSINIT	GE	##### GROUP END INIT	160	4	0	6,185,301:84:0	
315	1	239	11:02:57.133	125XF4C	37IST	1,1,0,OFF,0,0,0	Chopper OFF, N/A, 63Hz (Ref)	1O0	4	0	6,185,301:84:0	
316	1	239	11:02:57.200	31NNRCTRLT01-		-----STOP-------		1O0	4	0	: :	
317	1	239	11:06:52.466	488BX6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,185,305:73:0	
318	1	239	11:19:20.466	20DB4A	7SAFE	STOP	S/P NO MOVEMENT	1O0	4	0	6,185,318:12:0	
319	1	239	11:20:10.466	20DB4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,185,318:87:0	
320	1	239	11:22:14.466	176XF6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,185,321:00:0	
321	1	239	13:45:10.466	488BX6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,185,462:33:0	
322	1	240	18:13:56.400	488BY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,187,152:32:0	
323	1	240	18:40:27.066	488BY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,187,178:52:0	
324	1	241	00:17:31.066	488BZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,187,511:85:0	
325	1	241	01:12:17.733	488BZ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,187,566:10:0	
326	1	241	01:17:15.066	488BZ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,187,571:01:0	
327	1	241	01:32:11.066	488BZ6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,187,585:71:0	
328	1	242	01:56:29.666	176TA6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,189,034:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	1	242	02:02:33.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 702.93 +/- 7	1O0	4	0	6,189,040:00:0	
330	1	242	02:02:33.666		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 702.93 +/- 7	1O0	4	0	6,189,040:00:0	
331	1	242	02:02:33.666	465WK6A	6DMST	5000	DMS Slew to TIC	1O0	4	0	6,189,040:00:0	
332	1	242	02:02:40.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 702.93 +/- 7	1O0	4	0	6,189,040:10:0	
333	1	242	02:02:41.733		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 703.05 +/- 7	1O0	4	0	6,189,040:12:1	
334	1	242	07:08:05.800		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/- 7	1O0	4	0	6,189,342:16:2	
335	1	242	07:08:07.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/- 7	1O0	4	0	6,189,342:18:0	
336	1	242	07:56:15.000		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/- 7	1O0	4	0	6,189,389:73:0	
337	1	242	07:56:15.000	465WL6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,189,389:73:0	
338	1	242	07:56:16.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/- 7	1O0	4	0	6,189,389:75:1	
339	1	242	07:56:21.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/- 7	1O0	4	0	6,189,389:83:0	
340	1	242	07:56:22.866		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/- 7	1O0	4	0	6,189,389:84:8	
341	1	242	07:56:26.733		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/- 7	1O0	4	0	6,189,389:90:6	
342	1	242	07:56:26.733		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/- 7	1O0	4	0	6,189,389:90:6	
343	1	242	08:22:07.000		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/- 7	1O0	4	0	6,189,415:35:0	
344	1	242	08:22:07.000	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	6,189,415:35:0	
345	1	242	08:22:08.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/- 7	1O0	4	0	6,189,415:36:8	
346	1	242	08:55:27.666	488CA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,189,448:33:0	
347	1	242	09:04:27.000	488CA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,189,457:23:0	
348	1	242	10:20:55.666	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	1O0	4	0	6,189,532:81:0	
349	1	242	10:20:55.666		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/- 7	1O0	4	0	6,189,532:81:0	
350	1	242	10:20:55.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/- 7	1O0	4	0	6,189,532:81:0	
351	1	242	10:20:57.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/- 7	1O0	4	0	6,189,532:83:1	
352	1	242	10:21:02.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/- 7	1O0	4	0	6,189,533:00:0	
353	1	242	10:21:03.533		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/- 7	1O0	4	0	6,189,533:01:8	
354	1	242	10:21:04.933		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/- 7	1O0	4	0	6,189,533:03:9	
355	1	242	10:25:05.600		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/- 7	1O0	4	0	6,189,537:00:9	
356	1	242	10:25:06.800		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/- 7	1O0	4	0	6,189,537:02:7	
357	1	242	10:25:06.800		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 7	1O0	4	0	6,189,537:02:7	
358	1	242	10:25:08.200		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	6,189,537:04:8	
359	1	242	10:25:09.666	488CA6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,189,537:07:0	
360	1	242	10:25:20.200		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	6,189,537:22:8	
361	1	242	10:25:21.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	6,189,537:24:6	
362	1	242	10:25:31.000	488CA6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	6,189,537:39:0	
363	1	242	10:31:59.000	465WN6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,189,543:75:0	
364	1	242	10:31:59.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,189,543:75:0	
365	1	242	10:32:05.666		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,189,543:85:0	
366	1	242	10:32:09.533		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	1O0	4	0	6,189,543:90:8	
367	1	242	10:32:09.533		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	1O0	4	0	6,189,543:90:8	
368	1	242	11:03:53.000	465WN6B	6DMSC	RDY,1	DMS Control Tape stop	1O0	4	0	6,189,575:34:0	
369	1	242	11:03:53.000		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	1O0	4	0	6,189,575:34:0	
370	1	242	11:03:54.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	1O0	4	0	6,189,575:35:8	
371	1	242	11:19:29.000	465WO6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,189,590:73:0	
372	1	242	11:19:29.000		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	1O0	4	0	6,189,590:73:0	
373	1	242	11:19:30.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	1O0	4	0	6,189,590:75:1	
374	1	242	11:19:35.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	1O0	4	0	6,189,590:83:0	
375	1	242	11:19:36.866		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	1O0	4	0	6,189,590:84:8	
376	1	242	11:19:40.733		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	1O0	4	0	6,189,590:90:6	
377	1	242	11:19:40.733		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	1O0	4	0	6,189,590:90:6	
378	1	242	11:51:37.000	465WP6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,189,622:53:0	
379	1	242	11:51:37.000		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	1O0	4	0	6,189,622:53:0	
380	1	242	11:51:38.200		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	1O0	4	0	6,189,622:54:8	
381	1	242	11:51:42.066		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	1O0	4	0	6,189,622:60:6	
382	1	242	11:51:42.066		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	1O0	4	0	6,189,622:60:6	
383	1	242	12:23:37.666	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	6,189,654:22:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
384	1	242	12:23:37.666		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	1O0	4	0	6,189,654:22:0
385	1	242	12:23:38.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	1O0	4	0	6,189,654:23:8
386	1	242	12:38:21.000	465WQ6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,189,668:73:0
387	1	242	12:38:21.000		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	1O0	4	0	6,189,668:73:0
388	1	242	12:38:22.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	1O0	4	0	6,189,668:75:1
389	1	242	12:38:27.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	1O0	4	0	6,189,668:83:0
390	1	242	12:38:28.866		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	1O0	4	0	6,189,668:84:8
391	1	242	12:38:32.733		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	1O0	4	0	6,189,668:90:6
392	1	242	12:38:32.733		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	1O0	4	0	6,189,668:90:6
393	1	242	13:10:28.333	465WR6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,189,700:52:0
394	1	242	13:10:28.333		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	1O0	4	0	6,189,700:52:0
395	1	242	13:10:29.533		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	1O0	4	0	6,189,700:53:8
396	1	242	13:10:33.400		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	1O0	4	0	6,189,700:59:6
397	1	242	13:10:33.400		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	1O0	4	0	6,189,700:59:6
398	1	242	13:11:34.333		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	1O0	4	0	6,189,701:60:0
399	1	242	13:11:34.333	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	6,189,701:60:0
400	1	242	13:11:35.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	1O0	4	0	6,189,701:61:8
401	1	242	13:11:59.666	488CA6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,189,702:07:0
402	1	242	13:26:04.333		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	1O0	4	0	6,189,716:00:0
403	1	242	13:26:04.333	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	6,189,716:00:0
404	1	242	13:26:58.333		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	1O0	4	0	6,189,716:81:0
405	1	242	13:26:58.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	1O0	4	0	6,189,716:81:0
406	1	242	13:26:58.333	465WT6A	6DTRN	CMD,6DTRN,465WT6	DMS TRACK TURNAROUND	1O0	4	0	6,189,716:81:0
407	1	242	13:26:59.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	1O0	4	0	6,189,716:83:1
408	1	242	13:27:05.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	1O0	4	0	6,189,717:00:0
409	1	242	13:27:06.200		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	1O0	4	0	6,189,717:01:8
410	1	242	13:27:07.600		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	1O0	4	0	6,189,717:03:9
411	1	242	13:38:33.400		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	1O0	4	0	6,189,728:31:6
412	1	242	13:38:34.600		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	1O0	4	0	6,189,728:33:4
413	1	242	13:38:34.600		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	1O0	4	0	6,189,728:33:4
414	1	242	13:38:36.000		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	6,189,728:35:5
415	1	242	13:38:48.000		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	6,189,728:53:5
416	1	242	13:38:49.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	6,189,728:55:3
417	1	242	13:47:47.000	488CB6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,189,737:43:0
418	1	242	13:52:27.000	488CB6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,189,742:08:0
419	1	242	13:53:04.333	20UJ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,189,742:64:0
420	1	242	13:53:54.333	20UJ4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,189,743:48:0
421	1	242	13:55:23.666	176SD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,189,745:00:0
422	1	242	18:10:29.666	488CB6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,189,997:27:0
423	1	242	18:19:07.000	488CB6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,190,005:75:0
424	1	242	19:37:51.000	488CB6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,190,083:63:0
425	1	242	20:11:30.333	488CC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,190,116:89:0
426	1	243	00:21:47.000	488CC6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,190,364:46:0
427	1	243	00:23:03.666	488CC6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,190,365:70:0
428	1	243	00:32:27.000	488CC6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,190,375:05:0
429	1	244	08:49:40.933	488CD6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,192,291:00:0
430	1	244	08:55:54.933	488CD6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,192,297:15:0
431	1	244	09:19:22.933	488CD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,192,320:34:0
432	1	244	10:12:40.933	488CD6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,192,373:08:0
433	1	244	10:46:20.266	488CD6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,192,406:34:0
434	1	244	11:36:30.933	176SG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,192,456:00:0
435	1	244	11:41:20.266	20RL4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,192,460:70:0
436	1	244	12:00:20.266	20RL4D	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,192,479:51:0
437	1	244	14:47:00.200	20RL4F	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,192,644:36:0
438	1	244	14:53:00.200	488CE6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,192,650:30:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	1	244	15:24:00.200	20BA4AA	7STAT	10.00,16.441,-20	Stator inertial point	1O0	4	0	6,192,680:90:0	
440	1	244	15:24:12.200	20BA6AA	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	1O0	4	0	6,192,681:17:0	
441	1	244	15:30:00.200	474BA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,192,686:84:0	
442	1	244	15:32:00.200	474BA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,192,688:82:0	
443	1	244	15:32:20.200	20BA4AD	7STAT	17.45,16.441,-20	Stator inertial point	1O0	4	0	6,192,689:21:0	
444	1	244	15:36:14.200	474BA416A4E	7BURN	SZ,16.441,-20.70	ALERT -- Thruster fire	1O0	4	0	6,192,693:08:0	
445	1	244	15:45:00.866	20BA4AF	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,192,701:70:0	
446	1	244	15:50:52.866	20BA4AG	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,192,707:52:0	
447	1	244	16:12:08.866	20BA4AK	7STAT	10.00,16.441,-20	Stator inertial point	1O0	4	0	6,192,728:55:0	
448	1	244	16:12:20.866	20BA6AB	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	1O0	4	0	6,192,728:73:0	
449	1	244	16:18:08.866	20BA4AM	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,192,734:49:0	
450	1	244	16:20:09.533	474BA416A4G	7BURN	T,16.441,-20.709	ALERT -- Thruster fire	1O0	4	0	6,192,736:48:0	
451	1	244	17:07:36.866	20BA4AO	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,192,783:42:0	
452	1	244	17:12:28.866	20BA4AP	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,192,788:25:0	
453	1	244	18:10:34.866	488CE6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	6,192,845:67:0	
454	1	244	18:21:14.866	488CE6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,192,856:26:0	
455	1	244	18:31:44.866	20BA4AV	7STAT	10.00,16.441,-20	Stator inertial point	1O0	4	0	6,192,866:61:0	
456	1	244	18:31:56.866	20BA6AC	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	1O0	4	0	6,192,866:79:0	
457	1	244	18:37:44.866	20BA4AX	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,192,872:55:0	
458	1	244	18:39:45.533	474BA416A4M	7BURN	T,16.441,-20.709	ALERT -- Thruster fire	1O0	4	0	6,192,874:54:0	
459	1	244	18:47:39.533	488CE6D	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,192,882:37:0	
460	1	244	19:26:18.200	488CE6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,192,920:57:0	
461	1	244	19:26:54.200	20BA4AZ	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,192,921:20:0	
462	1	244	19:31:46.200	20BA4BA	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,192,926:03:0	
463	1	244	21:15:18.200	20BB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,193,028:39:0	
464	1	244	21:16:08.200	20BB4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,193,029:23:0	
465	1	244	21:16:53.533	176BA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,193,030:00:0	
466	1	244	23:59:40.866	176SZ6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,193,191:00:0	
467	1	245	00:01:00.200	444SA443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,193,192:28:0	
468	1	245	00:01:00.200	488CF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,193,192:28:0	
469	1	245	00:06:04.200	20UI4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,193,197:29:0	
470	1	245	00:06:54.200	20UI4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,193,198:13:0	
471	1	245	00:08:46.866	176SH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,193,200:00:0	
472	1	245	00:13:14.866	488CF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,193,204:38:0	
473	1	245	00:55:06.866	488CF6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,193,245:75:0	
474	1	245	01:02:18.866	488CF6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	6,193,252:86:0	
475	1	245	01:38:34.866	488CF6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,193,288:74:0	
476	1	245	09:39:26.200	488CG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,193,764:35:0	
477	1	245	09:56:14.200	176UP6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,193,781:00:0	
478	1	245	10:02:00.200	20UE4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,193,786:64:0	
479	1	245	10:03:00.200	20UE4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	1O0	4	0	6,193,787:63:0	
480	1	245	10:05:00.200	20UE4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,193,789:61:0	
481	1	245	10:10:30.200	20UE4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	1O0	4	0	6,193,795:10:0	
482	1	245	10:10:30.866	20UE4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	1O0	4	0	6,193,795:11:0	
483	1	245	10:10:50.866	20UE4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	1O0	4	0	6,193,795:41:0	
484	1	245	10:10:51.533	20UE4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	1O0	4	0	6,193,795:42:0	
485	1	245	10:11:11.533	20UE4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	6,193,795:72:0	
486	1	245	10:11:12.200	20UE4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	6,193,795:73:0	
487	1	245	10:11:22.200	20UE4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	6,193,795:88:0	
488	1	245	10:11:22.866	20UE4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	6,193,795:89:0	
489	1	245	10:11:32.866	20UE4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	1O0	4	0	6,193,796:13:0	
490	1	245	10:11:33.533	20UE4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	1O0	4	0	6,193,796:14:0	
491	1	245	10:13:20.200	20UE4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	1O0	4	0	6,193,797:83:0	
492	1	245	10:13:20.866	20UE4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	1O0	4	0	6,193,797:84:0	
493	1	245	10:13:40.866	20UE4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	1O0	4	0	6,193,798:23:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	1	245	10:13:41.533	20UE4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	1O0	4	0	6,193,798:24:0	
495	1	245	10:14:01.533	20UE4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	6,193,798:54:0	
496	1	245	10:14:02.200	20UE4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	6,193,798:55:0	
497	1	245	10:14:12.200	20UE4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	6,193,798:70:0	
498	1	245	10:14:12.866	20UE4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	6,193,798:71:0	
499	1	245	10:14:22.866	20UE4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	1O0	4	0	6,193,798:86:0	
500	1	245	10:14:23.533	20UE4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	1O0	4	0	6,193,798:87:0	
501	1	245	10:15:20.200	20UE4Z	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,193,799:81:0	
502	1	245	10:21:14.866	488CG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,193,805:67:0	
503	1	245	10:40:04.200	20UF4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,193,824:32:0	
504	1	245	10:40:54.200	20UF4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,193,825:16:0	
505	1	245	10:42:44.866	176US6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,193,827:00:0	
506	1	245	16:17:38.866	488CH6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,194,158:20:0	
507	1	245	16:21:46.866	488CH6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,194,162:28:0	
508	1	245	17:30:49.533	488CH6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,194,230:54:0	
509	1	245	18:14:50.866	488CH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,194,274:12:0	
510	1	245	18:47:32.200	488CH6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,194,306:42:0	
511	1	245	19:21:11.533	488CI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,194,339:68:0	
512	1	245	20:53:00.200	488CI6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,194,430:50:0	
513	1	245	20:56:29.533	176UQ6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,194,434:00:0	
514	1	245	21:06:00.200	20RB4C	7STAT	10.00,281.57,-22	Stator inertial point	1O0	4	0	6,194,443:37:0	
515	1	245	21:06:12.200	20RB6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	1O0	4	0	6,194,443:55:0	
516	1	245	21:25:02.200	490UB412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,194,462:21:0	
517	1	245	21:30:00.200	490UB412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,194,467:13:0	
518	1	245	21:30:20.200	20RB4D	7STAT	17.45,281.57,-22	Stator inertial point	1O0	4	0	6,194,467:43:0	
519	1	245	21:34:10.200	490UB412A4E	7VECT		Inert vect update UTC	1O0	4	0	6,194,471:24:0	
520	1	245	21:34:14.200	490UB412A4F	7TURN	2,RTH	ALERT Thruster	1O0	4	0	6,194,471:30:0	
521	1	245	21:38:02.200	490UB412A406A4A	7STAR	1,1307,23.966,-5	Star catalog update	1O0	4	0	6,194,475:08:0	
522	1	245	21:38:04.200	490UB412A406A4B	7STAR	2,333,138.16	Star catalog update	1O0	4	0	6,194,475:11:0	
523	1	245	21:38:06.200	490UB412A406A4C	7STAR	3,946,200.64	Star catalog update	1O0	4	0	6,194,475:14:0	
524	1	245	21:38:08.200	490UB412A406A4D	7STAR	4,770,213.3312,1	Star catalog update	1O0	4	0	6,194,475:17:0	
525	1	245	21:38:10.200	490UB412A406A4E	7STAR	5,112,10.2729,-1	Star catalog update	1O0	4	0	6,194,475:20:0	
526	1	245	21:38:12.200	490UB412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	1O0	4	0	6,194,475:23:0	
527	1	245	21:48:06.200	20RB4F	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,194,485:04:0	
528	1	245	21:56:10.200	490UB412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,194,493:02:0	
529	1	245	23:30:04.133	20UH4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,194,585:81:0	
530	1	245	23:30:54.133	20UH4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,194,586:65:0	
531	1	245	23:31:00.133	488CI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,194,586:74:0	
532	1	245	23:32:12.133	176UB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,194,588:00:0	
533	1	246	00:06:50.800	488CI6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,194,622:24:0	
534	1	246	00:51:56.133	488CI6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,194,666:78:0	
535	1	246	00:58:02.800	488CJ6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	6,194,672:82:0	
536	1	246	01:34:18.800	488CJ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,194,708:70:0	
537	1	246	17:24:35.466	488CK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,195,648:55:0	
538	1	246	18:10:34.800	488CK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,195,694:08:0	
539	1	246	20:58:32.133	488CK6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,195,860:18:0	
540	1	246	21:03:22.800	488CK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,195,864:90:0	
541	1	247	17:24:42.733	488CL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,197,072:82:0	
542	1	247	17:59:54.733	488CL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,197,107:65:0	
543	1	247	23:53:30.066	488CM6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,197,457:38:0	
544	1	247	23:58:18.733	488CM6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,197,462:16:0	
545	1	248	17:21:08.733	488CN6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,198,493:50:0	
546	1	248	17:40:42.733	488CN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,198,512:82:0	
547	1	248	18:47:12.066	488CN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,198,578:60:0	
548	1	248	19:20:51.400	488CN6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,198,611:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	1	249	00:28:10.666	488CO6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,198,915:81:0	
550	1	249	00:46:19.333	488CO6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,198,933:76:0	
551	1	249	00:53:46.666	488CO6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	6,198,941:19:0	
552	1	249	01:30:02.666	488CO6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,198,977:07:0	
553	1	249	17:14:55.333	488CP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,199,911:52:0	
554	1	249	17:51:22.666	488CP6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,199,947:57:0	
555	1	249	20:05:46.666	488CP6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,200,080:50:0	
556	1	249	21:52:26.666	488CP6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,200,186:04:0	
557	1	250	00:06:50.666	488CQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,200,318:88:0	
558	1	250	00:42:46.666	488CQ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,200,354:46:0	
559	1	250	00:47:22.666	488CQ6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	6,200,359:05:0	
560	1	250	01:23:38.666	488CQ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,200,394:84:0	
561	1	250	18:38:15.933	488CR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,201,418:16:0	
562	1	250	19:55:06.600	488CR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,201,494:16:0	
563	1	250	21:58:50.600	488CR6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,201,616:50:0	
564	1	251	00:02:34.600	488CR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,201,738:84:0	
565	1	251	00:38:23.266	488CS6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,201,774:31:0	
566	1	251	00:43:06.600	488CS6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	6,201,779:01:0	
567	1	251	01:19:22.600	488CS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,201,814:80:0	
568	1	251	08:45:06.600	488CT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,202,255:65:0	
569	1	251	10:11:53.933	488CT6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,202,341:50:0	
570	1	251	10:45:33.266	488CT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,202,374:76:0	
571	1	251	11:25:14.600	488CT6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,202,414:08:0	
572	1	251	15:58:37.866	488CU6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,202,684:43:0	
573	1	251	16:02:34.533	488CU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,202,688:34:0	
574	1	251	17:10:09.200	488CU6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,202,755:19:0	
575	1	251	17:26:52.533	488CU6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,202,771:68:0	
576	1	251	17:51:22.533	488CU6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,202,795:89:0	
577	1	251	17:57:35.200	488CV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,202,802:11:0	
578	1	251	19:46:34.533	488CV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,202,909:83:0	
579	1	251	21:58:50.533	488CV6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,203,040:66:0	
580	1	252	00:02:34.533	488CW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,203,163:09:0	
581	1	252	00:36:15.200	488CW6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,203,196:37:0	
582	1	252	00:43:06.533	488CW6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,203,203:17:0	
583	1	252	17:06:35.866	488CX6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,204,175:79:0	
584	1	252	17:21:30.533	488CX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,204,190:56:0	
585	1	252	18:31:45.200	488CX6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,204,260:08:0	
586	1	252	19:05:24.533	488CX6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,204,293:34:0	
587	1	253	00:17:30.533	488CY6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,204,602:04:0	
588	1	253	00:32:23.866	488CY6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,204,616:70:0	
589	1	253	00:38:50.533	488CY6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,204,623:13:0	
590	1	253	00:53:46.533	488CY6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,204,637:83:0	
591	1	253	08:11:40.466	488CZ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,205,071:00:0	
592	1	253	08:21:46.466	488CZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,205,080:90:0	
593	1	253	09:15:06.466	488CZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,205,133:67:0	
594	1	253	12:42:02.466	488CZ6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,205,338:36:0	
595	1	253	15:50:33.133	488DA6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,205,524:76:0	
596	1	253	15:54:02.466	488DA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,205,528:26:0	
597	1	254	17:40:29.733	488DB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,207,057:68:0	
598	1	254	19:06:31.066	488DB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,207,142:75:0	
599	1	254	19:40:10.400	488DB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,207,176:10:0	
600	1	255	00:13:14.400	488DC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,207,446:16:0	
601	1	255	00:25:29.066	488DC6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,207,458:26:0	
602	1	255	00:32:26.400	488DC6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	6,207,465:15:0	
603	1	255	01:08:42.400	488DC6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,207,501:03:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	1	255	08:21:46.400	488DD6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,207,929:31:0	
605	1	255	10:40:20.400	488DD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,208,066:35:0	
606	1	255	10:51:06.400	488DD6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,208,077:03:0	
607	1	255	13:49:42.400	488DD6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,208,253:61:0	
608	1	256	09:08:54.333	488DE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,209,400:12:0	
609	1	256	11:46:34.333	488DE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,209,556:06:0	
610	1	256	13:50:59.000	488DE6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,209,679:10:0	
611	1	256	13:54:34.333	488DE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,209,682:60:0	
612	1	257	16:50:50.266	488DF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,211,281:15:0	
613	1	257	17:17:14.266	488DF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,211,307:25:0	
614	1	257	19:01:46.266	488DF6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,211,410:60:0	
615	1	257	22:09:30.266	488DF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,211,596:30:0	
616	1	257	23:49:46.266	488DG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,211,695:45:0	
617	1	258	00:19:10.933	488DG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,211,724:53:0	
618	1	258	00:23:54.266	488DG6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	6,211,729:23:0	
619	1	258	01:00:10.266	488DG6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,211,765:11:0	
620	1	258	18:10:57.533	488DH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,212,784:53:0	
621	1	258	19:36:04.200	488DH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,212,868:69:0	
622	1	258	20:09:43.533	488DH6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,212,902:04:0	
623	1	258	23:52:20.200	488DH6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,213,122:19:0	
624	1	259	00:02:34.200	488DH6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,213,132:30:0	
625	1	259	09:19:14.866	488DI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,213,682:81:0	
626	1	259	11:12:26.200	488DI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,213,794:76:0	
627	1	259	16:35:24.200	488DJ6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,214,114:23:0	
628	1	259	16:38:50.200	488DJ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,214,117:59:0	
629	1	260	07:46:28.800	488DK6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,215,015:29:0	
630	1	260	07:51:54.133	488DK6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,215,020:62:0	
631	1	260	08:02:34.133	488DK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,215,031:21:0	
632	1	260	09:15:53.466	488DK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,215,103:68:0	
633	1	260	09:49:32.133	488DK6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,215,137:02:0	
634	1	260	10:12:42.133	488DL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,215,159:85:0	
635	1	260	11:44:26.800	488DL6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,215,250:61:0	
636	1	260	11:48:42.133	488DL6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,215,254:80:0	
637	1	260	16:42:30.800	488DM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,215,545:42:0	
638	1	260	16:51:38.133	488DM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,215,554:44:0	
639	1	260	17:55:50.133	488DM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,215,617:89:0	
640	1	260	18:29:29.466	488DM6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,215,651:24:0	
641	1	260	20:47:24.800	488DM6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,215,787:61:0	
642	1	260	20:54:50.133	488DN6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,215,795:01:0	
643	1	261	07:42:35.466	488DO6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,216,435:59:0	
644	1	261	08:02:34.133	488DO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,216,455:37:0	
645	1	261	09:15:46.133	488DO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,216,527:73:0	
646	1	261	09:49:25.466	488DO6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,216,561:08:0	
647	1	261	09:53:00.133	488DO6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,216,564:57:0	
648	1	261	09:55:24.133	176SC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,216,567:00:0	
649	1	261	10:02:02.133	488DP6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	6,216,573:51:0	
650	1	261	10:24:00.133	20CA4AA	7STAT	10.00,60.0073,-6	Stator inertial point	1O0	4	0	6,216,595:26:0	
651	1	261	10:24:12.133	20CA6AA	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	1O0	4	0	6,216,595:44:0	
652	1	261	10:30:00.133	474CA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,216,601:20:0	
653	1	261	10:32:00.133	474CA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,216,603:18:0	
654	1	261	10:32:20.133	20CA4AD	7STAT	17.45,60.0073,-6	Stator inertial point	1O0	4	0	6,216,603:48:0	
655	1	261	10:36:14.133	474CA416A4E	7BURN	ULZ,60.0073,-60.	ALERT -- Thruster fire	1O0	4	0	6,216,607:35:0	
656	1	261	10:42:04.800	20CA4AF	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,216,613:15:0	
657	1	261	10:47:56.800	20CA4AG	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,216,618:88:0	
658	1	261	11:04:42.800	20CA4AJ	7STAT	10.00,60.0073,-6	Stator inertial point	1O0	4	0	6,216,635:50:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	1	261	11:04:54.800	20CA6AB	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	1O0	4	0	6,216,635:68:0	
660	1	261	11:15:12.800	20CA4AK	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,216,645:85:0	
661	1	261	11:17:13.466	474CA416A4G	7BURN	LAT,60.0073,-60.	ALERT -- Thruster fire	1O0	4	0	6,216,647:84:0	
662	1	261	11:23:30.133	20CA4AM	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,216,654:12:0	
663	1	261	11:28:22.133	20CA4AN	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,216,658:86:0	
664	1	261	12:35:54.133	20CB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,216,725:67:0	
665	1	261	12:36:44.133	20CB4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,216,726:51:0	
666	1	261	12:38:11.466	176CA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,216,728:00:0	
667	1	261	14:00:09.400	488DP6B	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	1O0	4	0	6,216,809:06:0	
668	1	261	14:05:14.066	488DP6C	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	1O0	4	0	6,216,814:08:0	
669	1	261	15:01:00.066	488DP6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,216,869:22:0	
670	1	261	15:04:48.066	176SY6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,216,873:00:0	
671	1	262	07:41:42.733	488DQ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,217,858:87:0	
672	1	262	07:56:10.066	488DQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,217,873:23:0	
673	1	262	09:10:39.400	488DQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,217,946:84:0	
674	1	262	09:44:18.733	488DQ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,217,980:19:0	
675	1	262	09:57:46.066	488DQ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,217,993:47:0	
676	1	262	11:44:34.066	488DR6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,218,099:13:0	
677	1	262	11:48:42.066	488DR6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,218,103:21:0	
678	1	262	16:37:44.733	488DR6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,218,389:09:0	
679	1	262	16:47:22.066	488DR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,218,398:56:0	
680	1	262	18:00:36.066	488DS6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,218,471:04:0	
681	1	262	18:34:15.400	488DS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,218,504:30:0	
682	1	262	23:46:55.400	488DS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,218,813:51:0	
683	1	262	23:54:02.066	488DS6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,218,820:54:0	
684	1	263	07:36:50.000	488DT6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,219,278:28:0	
685	1	263	07:41:14.000	488DT6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,219,282:60:0	
686	1	263	07:51:54.000	488DT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,219,293:19:0	
687	1	263	09:05:32.000	488DT6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,219,366:03:0	
688	1	263	09:39:11.333	488DT6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,219,399:29:0	
689	1	263	09:47:06.000	488DU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,219,407:13:0	
690	1	263	13:50:12.666	488DU6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,219,647:53:0	
691	1	263	13:54:34.000	488DU6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,219,651:81:0	
692	1	264	07:36:36.666	488DV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,220,702:24:0	
693	1	264	08:28:10.000	488DV6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,220,753:23:0	
694	1	264	10:27:37.933	488DV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,220,871:37:0	
695	1	264	11:41:13.266	488DV6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,220,944:17:0	
696	1	264	11:44:25.933	488DV6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,220,947:33:0	
697	1	265	07:28:03.266	488DW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,222,117:89:0	
698	1	265	07:36:57.933	488DW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,222,126:72:0	
699	1	265	08:21:45.933	488DW6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,222,171:09:0	
700	1	265	10:23:21.933	488DW6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,222,291:33:0	
701	1	265	11:41:15.933	488DW6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,222,368:37:0	
702	1	265	11:44:25.933	488DX6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,222,371:49:0	
703	1	266	16:23:12.533	488DY6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,224,071:39:0	
704	1	266	16:32:25.866	488DY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,224,080:50:0	
705	1	266	17:40:08.533	488DY6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,224,147:47:0	
706	1	266	17:56:48.533	176UG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,224,164:00:0	
707	1	266	18:01:59.866	20UU4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,224,169:12:0	
708	1	266	18:02:59.866	20UU4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	1O0	4	0	6,224,170:11:0	
709	1	266	18:04:59.866	20UU4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,224,172:09:0	
710	1	266	18:10:29.866	20UU4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	1O0	4	0	6,224,177:49:0	
711	1	266	18:10:30.533	20UU4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	1O0	4	0	6,224,177:50:0	
712	1	266	18:10:50.533	20UU4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	1O0	4	0	6,224,177:80:0	
713	1	266	18:10:51.200	20UU4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	1O0	4	0	6,224,177:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	1	266	18:11:11.200	20UU4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	6,224,178:20:0	
715	1	266	18:11:11.866	20UU4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	6,224,178:21:0	
716	1	266	18:11:21.866	20UU4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	6,224,178:36:0	
717	1	266	18:11:22.533	20UU4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	6,224,178:37:0	
718	1	266	18:11:32.533	20UU4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	1O0	4	0	6,224,178:52:0	
719	1	266	18:11:33.200	20UU4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	1O0	4	0	6,224,178:53:0	
720	1	266	18:13:19.866	20UU4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	1O0	4	0	6,224,180:31:0	
721	1	266	18:13:20.533	20UU4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	1O0	4	0	6,224,180:32:0	
722	1	266	18:13:40.533	20UU4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	1O0	4	0	6,224,180:62:0	
723	1	266	18:13:41.200	20UU4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	1O0	4	0	6,224,180:63:0	
724	1	266	18:13:47.200	488DY6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,224,180:72:0	
725	1	266	18:14:01.200	20UU4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	6,224,181:02:0	
726	1	266	18:14:01.866	20UU4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	6,224,181:03:0	
727	1	266	18:14:11.866	20UU4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	6,224,181:18:0	
728	1	266	18:14:12.533	20UU4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	6,224,181:19:0	
729	1	266	18:14:22.533	20UU4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	1O0	4	0	6,224,181:34:0	
730	1	266	18:14:23.200	20UU4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	1O0	4	0	6,224,181:35:0	
731	1	266	18:15:19.866	20UU4Z	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,224,182:29:0	
732	1	266	18:40:03.866	20UG4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,224,206:71:0	
733	1	266	18:40:53.866	20UG4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,224,207:55:0	
734	1	266	18:42:18.533	176UH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,224,209:00:0	
735	1	266	19:03:14.533	488DY6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,224,229:64:0	
736	1	267	07:31:57.133	488DZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,224,970:17:0	
737	1	267	08:17:29.800	488DZ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,225,015:21:0	
738	1	267	10:16:57.800	488DZ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,225,133:35:0	
739	1	267	13:17:03.133	488DZ6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,225,311:45:0	
740	1	267	13:20:25.800	488DZ6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,225,314:76:0	
741	1	267	16:21:59.133	488EA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,225,494:36:0	
742	1	267	16:36:41.800	488EA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,225,508:86:0	
743	1	267	18:02:01.800	488EA6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,225,593:31:0	
744	1	267	22:00:57.800	488EA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,225,829:59:0	
745	1	267	23:24:09.800	488EB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,225,911:85:0	
746	1	267	23:45:06.466	488EB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,225,932:59:0	
747	1	267	23:49:45.800	488EB6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	6,225,937:23:0	
748	1	268	00:26:01.800	488EB6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,225,973:11:0	
749	1	268	07:52:04.466	488EC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,226,414:24:0	
750	1	268	08:13:13.800	488EC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,226,435:17:0	
751	1	268	10:12:41.800	488EC6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,226,553:31:0	
752	1	268	13:36:42.466	488EC6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,226,755:10:0	
753	1	268	13:39:37.800	488EC6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,226,758:00:0	
754	1	269	07:22:11.733	488ED6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,227,808:81:0	
755	1	269	08:13:13.733	488ED6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,227,859:33:0	
756	1	269	10:12:41.733	488ED6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,227,977:47:0	
757	1	269	11:06:57.733	488ED6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,228,031:17:0	
758	1	269	11:10:17.733	488ED6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,228,034:44:0	
759	1	269	16:13:33.733	488EE6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,228,334:38:0	
760	1	269	16:23:53.733	488EE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,228,344:58:0	
761	1	269	17:24:47.066	488EE6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,228,404:78:0	
762	1	269	17:58:26.400	488EE6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,228,438:13:0	
763	1	269	18:52:59.733	488EE6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,228,492:09:0	
764	1	269	18:56:56.400	176SU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,228,496:00:0	
765	1	269	19:05:59.733	20RC4C	7STAT	10.00,284.55,-22	Stator inertial point	1O0	4	0	6,228,504:87:0	
766	1	269	19:06:11.733	20RC6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	1O0	4	0	6,228,505:14:0	
767	1	269	19:25:01.733	490UC412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,228,523:71:0	
768	1	269	19:29:59.733	490UC412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,228,528:63:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	1	269	19:30:19.733	20RC4D	7STAT	17.45,284.55,-22	Stator inertial point	1O0	4	0	6,228,529:02:0	
770	1	269	19:34:09.733	490UC412A4E	7VECT		Inert vect update UTC	1O0	4	0	6,228,532:74:0	
771	1	269	19:34:13.733	490UC412A4F	7TURN	2,RTH	ALERT Thruster	1O0	4	0	6,228,532:80:0	
772	1	269	19:38:01.733	490UC412A406A4A	7STAR	1,946,200.64	Star catalog update	1O0	4	0	6,228,536:58:0	
773	1	269	19:38:03.733	490UC412A406A4B	7STAR	2,770,213.3312,1	Star catalog update	1O0	4	0	6,228,536:61:0	
774	1	269	19:38:05.733	490UC412A406A4C	7STAR	3,112,10.2729,-1	Star catalog update	1O0	4	0	6,228,536:64:0	
775	1	269	19:38:07.733	490UC412A406A4D	7STAR	4,1307,23.966,-5	Star catalog update	1O0	4	0	6,228,536:67:0	
776	1	269	19:38:09.733	490UC412A406A4E	7STAR	5,333,138.16	Star catalog update	1O0	4	0	6,228,536:70:0	
777	1	269	19:38:11.733	490UC412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	1O0	4	0	6,228,536:73:0	
778	1	269	19:48:05.733	20RC4F	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,228,546:54:0	
779	1	269	19:56:09.733	490UC412A4G	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,228,554:52:0	
780	1	269	21:30:03.733	20UB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,228,647:40:0	
781	1	269	21:30:53.733	20UB4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,228,648:24:0	
782	1	269	21:30:59.733	488EF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,228,648:33:0	
783	1	269	21:32:39.066	176SL6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,228,650:00:0	
784	1	269	22:48:09.066	488EF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,228,724:61:0	
785	1	269	22:54:17.733	488EF6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,228,730:68:0	
786	1	270	07:13:38.333	488EG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,229,224:55:0	
787	1	270	07:22:01.666	488EG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,229,232:82:0	
788	1	270	08:08:57.666	488EG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,229,279:29:0	
789	1	270	10:08:25.666	488EG6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,229,397:43:0	
790	1	270	13:52:19.000	488EH6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,229,618:82:0	
791	1	270	13:54:33.666	488EH6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,229,621:11:0	
792	1	271	06:56:40.333	176TC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,230,632:00:0	
793	1	271	07:02:44.333		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,230,638:00:0	
794	1	271	07:02:44.333	465VA6A	6DMST	5000	DMS Slew to TIC	1O0	4	0	6,230,638:00:0	
795	1	271	07:02:44.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,230,638:00:0	
796	1	271	07:02:44.333		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,230,638:00:0	
797	1	271	07:02:51.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,230,638:10:0	
798	1	271	07:02:52.400		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	1O0	4	0	6,230,638:12:1	
799	1	271	08:50:38.333	488EI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,230,744:65:0	
800	1	271	09:32:09.666	488EI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,230,785:71:0	
801	1	271	12:43:53.066		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	1O0	4	0	6,230,975:36:2	
802	1	271	12:43:54.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	1O0	4	0	6,230,975:38:0	
803	1	271	12:56:25.600	465VB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,230,987:73:0	
804	1	271	12:56:25.600		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	1O0	4	0	6,230,987:73:0	
805	1	271	12:56:27.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	1O0	4	0	6,230,987:75:1	
806	1	271	12:56:32.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	1O0	4	0	6,230,987:83:0	
807	1	271	12:56:33.466		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	1O0	4	0	6,230,987:84:8	
808	1	271	12:56:37.333		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	1O0	4	0	6,230,987:90:6	
809	1	271	12:56:37.333		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	1O0	4	0	6,230,987:90:6	
810	1	271	13:22:17.600		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	1O0	4	0	6,231,013:35:0	
811	1	271	13:22:17.600	465VB6B	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	6,231,013:35:0	
812	1	271	13:22:18.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	1O0	4	0	6,231,013:36:8	
813	1	271	13:51:37.600	488EI6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,231,042:36:0	
814	1	271	13:54:33.600	488EI6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,231,045:27:0	
815	1	271	15:21:06.266	465VC6A	6DTRN	CMD,6DTRN,465VC6	DMS TRACK TURNAROUND	1O0	4	0	6,231,130:81:0	
816	1	271	15:21:06.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	1O0	4	0	6,231,130:81:0	
817	1	271	15:21:06.266		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	1O0	4	0	6,231,130:81:0	
818	1	271	15:21:07.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	1O0	4	0	6,231,130:83:1	
819	1	271	15:21:12.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	1O0	4	0	6,231,131:00:0	
820	1	271	15:21:14.133		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	1O0	4	0	6,231,131:01:8	
821	1	271	15:21:15.533		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	1O0	4	0	6,231,131:03:9	
822	1	271	15:25:09.600	488EJ6A	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	1O0	4	0	6,231,134:82:0	
823	1	271	15:25:16.200		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	1O0	4	0	6,231,135:00:9	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	1	271	15:25:17.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	1O0	4	0	6,231,135:02:7	
825	1	271	15:25:17.400		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	1O0	4	0	6,231,135:02:7	
826	1	271	15:25:18.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	6,231,135:04:8	
827	1	271	15:25:30.800		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	6,231,135:22:8	
828	1	271	15:25:32.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	6,231,135:24:6	
829	1	271	15:31:08.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,231,140:75:0	
830	1	271	15:31:08.933	465VD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,231,140:75:0	
831	1	271	15:31:15.600		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,231,140:85:0	
832	1	271	15:31:19.466		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	1O0	4	0	6,231,140:90:8	
833	1	271	15:31:19.466		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	1O0	4	0	6,231,140:90:8	
834	1	271	16:03:02.933	465VD6B	6DMSC	RDY,1	DMS Control Tape stop	1O0	4	0	6,231,172:34:0	
835	1	271	16:03:02.933		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	1O0	4	0	6,231,172:34:0	
836	1	271	16:03:04.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	1O0	4	0	6,231,172:35:8	
837	1	271	16:03:47.600	488EJ6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	6,231,173:10:0	
838	1	271	16:13:13.600	488EJ6C	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,231,182:40:0	
839	1	271	16:18:38.933	465VE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,231,187:73:0	
840	1	271	16:18:38.933		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	1O0	4	0	6,231,187:73:0	
841	1	271	16:18:40.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	1O0	4	0	6,231,187:75:1	
842	1	271	16:18:45.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	1O0	4	0	6,231,187:83:0	
843	1	271	16:18:46.800		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	1O0	4	0	6,231,187:84:8	
844	1	271	16:18:50.666		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	1O0	4	0	6,231,187:90:6	
845	1	271	16:18:50.666		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	1O0	4	0	6,231,187:90:6	
846	1	271	16:50:46.933	465VF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,231,219:53:0	
847	1	271	16:50:46.933		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	1O0	4	0	6,231,219:53:0	
848	1	271	16:50:48.133		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	1O0	4	0	6,231,219:54:8	
849	1	271	16:50:52.000		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	1O0	4	0	6,231,219:60:6	
850	1	271	16:50:52.000		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	1O0	4	0	6,231,219:60:6	
851	1	271	17:14:32.933	488EJ6D	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,231,243:08:0	
852	1	271	17:22:47.600		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	1O0	4	0	6,231,251:22:0	
853	1	271	17:22:47.600	465VF6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	6,231,251:22:0	
854	1	271	17:22:48.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	1O0	4	0	6,231,251:23:8	
855	1	271	17:37:30.933		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	1O0	4	0	6,231,265:73:0	
856	1	271	17:37:30.933	465VG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,231,265:73:0	
857	1	271	17:37:32.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	1O0	4	0	6,231,265:75:1	
858	1	271	17:37:37.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	1O0	4	0	6,231,265:83:0	
859	1	271	17:37:38.800		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	1O0	4	0	6,231,265:84:8	
860	1	271	17:37:42.666		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	1O0	4	0	6,231,265:90:6	
861	1	271	17:37:42.666		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	1O0	4	0	6,231,265:90:6	
862	1	271	17:48:12.266	488EJ6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,231,276:34:0	
863	1	271	18:09:38.266		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	1O0	4	0	6,231,297:52:0	
864	1	271	18:09:38.266	465VH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,231,297:52:0	
865	1	271	18:09:39.466		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	1O0	4	0	6,231,297:53:8	
866	1	271	18:09:43.333		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	1O0	4	0	6,231,297:59:6	
867	1	271	18:09:43.333		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	1O0	4	0	6,231,297:59:6	
868	1	271	18:10:44.266	465VH6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	6,231,298:60:0	
869	1	271	18:10:44.266		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	1O0	4	0	6,231,298:60:0	
870	1	271	18:10:45.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	1O0	4	0	6,231,298:61:8	
871	1	271	18:11:59.600	488EK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,231,299:82:0	
872	1	271	18:25:14.266	465VI6A	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	6,231,313:00:0	
873	1	271	18:25:14.266		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	1O0	4	0	6,231,313:00:0	
874	1	271	18:26:08.266	465VJ6A	6DTRN	CMD,6DTRN,465VJ6	DMS TRACK TURNAROUND	1O0	4	0	6,231,313:81:0	
875	1	271	18:26:08.266		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	1O0	4	0	6,231,313:81:0	
876	1	271	18:26:08.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	1O0	4	0	6,231,313:81:0	
877	1	271	18:26:09.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	1O0	4	0	6,231,313:83:1	
878	1	271	18:26:14.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	1O0	4	0	6,231,314:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
879	1	271	18:26:16.133		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	1O0	4	0	6,231,314:01:8
880	1	271	18:26:17.533		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	1O0	4	0	6,231,314:03:9
881	1	271	18:37:43.333		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	1O0	4	0	6,231,325:31:6
882	1	271	18:37:44.533		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	1O0	4	0	6,231,325:33:4
883	1	271	18:37:44.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	1O0	4	0	6,231,325:33:4
884	1	271	18:37:45.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	6,231,325:35:5
885	1	271	18:37:57.933		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	6,231,325:53:5
886	1	271	18:37:59.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	6,231,325:55:3
887	1	271	18:53:04.266	20UZ4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,231,340:48:0
888	1	271	18:53:54.266	20UZ4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,231,341:32:0
889	1	271	18:55:34.266	176SF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,231,343:00:0
890	1	271	19:12:25.600	488EK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,231,359:61:0
891	1	271	20:20:41.600	488EK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,231,427:17:0
892	1	271	23:32:50.933	488EK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,231,617:21:0
893	1	271	23:34:49.600	488EK6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,231,619:17:0
894	1	271	23:49:45.600	488EL6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,231,633:87:0
895	1	272	07:27:32.266	488EM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,232,086:64:0
896	1	272	07:54:01.600	488EM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,232,112:82:0
897	1	272	09:27:53.600	488EM6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,232,205:67:0
898	1	272	11:11:53.600	488EM6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,232,308:54:0
899	1	272	11:14:33.600	488EM6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,232,311:21:0
900	1	272	16:02:34.266	488EN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,232,596:07:0
901	1	272	16:13:13.600	488EN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,232,606:56:0
902	1	272	17:23:37.600	488EN6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,232,676:22:0
903	1	272	22:05:13.600	488EO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,232,954:68:0
904	1	272	23:15:37.533	488EO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,233,024:34:0
905	1	272	23:32:32.200	488EO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,233,041:09:0
906	1	272	23:34:49.533	488EO6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,233,043:33:0
907	1	272	23:45:29.533	488EO6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,233,053:83:0
908	1	273	07:07:39.533	488EP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,233,491:20:0
909	1	273	07:47:37.533	488EP6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,233,530:68:0
910	1	273	09:23:37.533	488EP6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,233,625:63:0
911	1	273	10:52:21.533	488EP6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,233,713:41:0
912	1	273	10:55:21.533	488EP6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,233,716:38:0
913	1	273	15:57:41.533	488EQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,234,015:39:0
914	1	273	16:08:57.533	488EQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,234,026:52:0
915	1	273	17:19:21.533	488EQ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,234,096:18:0
916	1	273	20:51:53.533	488EQ6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,234,306:36:0
917	1	273	20:54:49.533	488EQ6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,234,309:27:0
918	1	274	07:09:06.866	488ER6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,234,916:76:0
919	1	274	07:17:45.533	488ER6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,234,925:35:0
920	1	274	08:29:15.466	488ER6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,234,996:09:0
921	1	274	08:53:45.466	488ER6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,235,020:30:0
922	1	274	08:59:58.133	488ER6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,235,026:43:0
923	1	274	13:51:46.800	488ES6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,235,315:07:0
924	1	274	13:56:41.466	488ES6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,235,319:85:0
925	1	274	15:52:48.133	488ES6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,235,434:70:0
926	1	274	16:02:33.466	488ES6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,235,444:38:0
927	1	274	17:12:57.466	488ES6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,235,514:04:0
928	1	274	17:54:22.133	176PT6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,235,555:00:0
929	1	274	18:30:04.133	20UK4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,235,590:28:0
930	1	274	18:30:54.133	20UK4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,235,591:12:0
931	1	274	18:32:47.466	176UD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,235,593:00:0
932	1	274	20:52:45.466	488GR6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,235,731:39:0
933	1	274	20:54:49.466	488GR6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,235,733:43:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	1	275	08:36:06.800	488GS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,236,427:05:0	
935	1	275	09:08:41.466	488GS6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,236,459:25:0	
936	1	275	17:18:02.800	488ET6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,236,943:23:0	
937	1	275	17:21:29.466	488ET6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,236,946:60:0	
938	1	276	06:57:59.400	488EU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,237,754:17:0	
939	1	276	07:32:41.400	488EU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,237,788:46:0	
940	1	276	09:04:25.400	488EU6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,237,879:21:0	
941	1	276	17:30:01.400	488EV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,238,379:25:0	
942	1	276	18:55:21.400	488EV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,238,463:61:0	
943	1	276	19:24:24.066	488EV6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,238,492:36:0	
944	1	276	19:33:45.400	488EV6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,238,501:59:0	
945	1	277	08:51:20.666	488EW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,239,290:43:0	
946	1	277	09:04:25.333	488EW6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,239,303:37:0	
947	1	277	13:53:15.333	488EW6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,239,589:06:0	
948	1	277	13:56:41.333	488EW6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,239,592:42:0	
949	1	277	16:08:09.333	488EX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,239,722:44:0	
950	1	277	17:28:52.000	488EX6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,239,802:28:0	
951	1	277	17:59:53.333	488EX6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,239,832:90:0	
952	1	277	18:01:45.333	488EX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,239,834:76:0	
953	1	277	20:56:57.333	488EX6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,240,008:10:0	
954	1	277	23:13:35.333	488EY6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,240,143:22:0	
955	1	277	23:15:37.333	488EY6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	6,240,145:23:0	
956	1	277	23:30:33.333	488EY6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,240,160:02:0	
957	1	278	06:53:13.333	488EZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,240,597:75:0	
958	1	278	07:24:09.333	488EZ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,240,628:38:0	
959	1	278	07:52:02.666	432JC6A	6RTSL1		R/T Select of DDS and	1O0	4	0	6,240,656:00:0	
960	1	278	08:49:29.333	488EZ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,240,712:74:0	
961	1	278	13:41:53.333	176UT6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,241,002:00:0	
962	1	278	13:47:00.000	20UV4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,241,007:05:0	
963	1	278	13:48:00.000	20UV4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	1O0	4	0	6,241,008:04:0	
964	1	278	13:50:00.000	20UV4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,241,010:02:0	
965	1	278	13:55:30.000	20UV4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	1O0	4	0	6,241,015:42:0	
966	1	278	13:55:30.666	20UV4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	1O0	4	0	6,241,015:43:0	
967	1	278	13:55:50.666	20UV4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	1O0	4	0	6,241,015:73:0	
968	1	278	13:55:51.333	20UV4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	1O0	4	0	6,241,015:74:0	
969	1	278	13:56:11.333	20UV4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	6,241,016:13:0	
970	1	278	13:56:12.000	20UV4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	6,241,016:14:0	
971	1	278	13:56:22.000	20UV4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	6,241,016:29:0	
972	1	278	13:56:22.666	20UV4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	6,241,016:30:0	
973	1	278	13:56:32.666	20UV4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	1O0	4	0	6,241,016:45:0	
974	1	278	13:56:33.333	20UV4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	1O0	4	0	6,241,016:46:0	
975	1	278	13:58:20.000	20UV4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	1O0	4	0	6,241,018:24:0	
976	1	278	13:58:20.666	20UV4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	1O0	4	0	6,241,018:25:0	
977	1	278	13:58:40.666	20UV4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	1O0	4	0	6,241,018:55:0	
978	1	278	13:58:41.333	20UV4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	1O0	4	0	6,241,018:56:0	
979	1	278	13:59:01.333	20UV4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	6,241,018:86:0	
980	1	278	13:59:02.000	20UV4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	6,241,018:87:0	
981	1	278	13:59:12.000	20UV4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	6,241,019:11:0	
982	1	278	13:59:12.666	20UV4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	6,241,019:12:0	
983	1	278	13:59:22.666	20UV4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	1O0	4	0	6,241,019:27:0	
984	1	278	13:59:23.333	20UV4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	1O0	4	0	6,241,019:28:0	
985	1	278	14:00:20.000	20UV4Z	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,241,020:22:0	
986	1	278	14:25:03.933	20UX4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,241,044:64:0	
987	1	278	14:25:53.933	20UX4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,241,045:48:0	
988	1	278	14:27:23.266	176UU6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,241,047:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
989	1	278	14:38:12.600	488FA6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,241,057:64:0
990	1	278	14:41:29.266	488FA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,241,060:86:0
991	1	278	15:38:16.600	488FA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,241,117:10:0
992	1	278	15:49:45.266	488FA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,241,128:42:0
993	1	278	16:35:47.933	176SN6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,241,174:00:0
994	1	278	16:38:49.933	176KA6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	1O0	4	0	6,241,177:00:0
995	1	278	16:39:49.933	165IA4A	7SCAN	NORM,187.23,-4.7	Check S/P Position	1O0	4	0	6,241,177:90:0
996	1	278	16:44:00.600	488FA6E	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	6,241,182:11:0
997	1	278	16:49:29.266	488FB6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	1O0	4	0	6,241,187:49:0
998	1	278	17:31:23.933	165IB4A	7SCAN	NORM,187.289,-4.	Check S/P Position	1O0	4	0	6,241,228:90:0
999	1	278	17:55:05.933	20KB4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,241,252:39:0
1000	1	278	17:59:04.600	20SF4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,241,256:33:0
1001	1	278	17:59:54.600	20SF4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,241,257:17:0
1002	1	278	18:01:44.600	176SO6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,241,259:00:0
1003	1	278	18:50:59.933	488FB6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,241,307:65:0
1004	1	278	19:18:22.600	488FB6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,241,334:72:0
1005	1	278	19:20:57.266	488FB6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,241,337:31:0
1006	1	279	13:16:35.933	488FC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,242,401:15:0
1007	1	279	14:41:25.266	488FC6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,242,485:05:0
1008	1	279	15:10:31.933	488FC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,242,513:77:0
1009	1	279	16:55:53.266	488FC6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,242,618:04:0
1010	1	279	18:27:47.933	488FC6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,242,708:86:0
1011	1	279	18:54:37.266	488FD6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,242,735:43:0
1012	1	279	21:56:41.266	488FD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,242,915:49:0
1013	1	279	22:56:25.266	488FD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,242,974:56:0
1014	1	279	23:09:45.933	488FD6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,242,987:74:0
1015	1	280	06:48:27.200	488FE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,243,441:42:0
1016	1	280	07:13:29.200	488FE6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,243,466:20:0
1017	1	280	08:38:49.200	488FE6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,243,550:56:0
1018	1	280	13:02:49.200	488FF6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,243,811:65:0
1019	1	280	13:05:29.200	488FF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,243,814:32:0
1020	1	280	15:33:29.200	488FF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,243,960:66:0
1021	1	280	15:43:21.200	488FF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,243,970:44:0
1022	1	280	16:38:49.200	488FF6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,244,025:31:0
1023	1	280	21:56:41.200	488FG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,244,339:65:0
1024	1	280	22:56:25.200	488FG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,244,398:72:0
1025	1	280	23:04:52.533	488FG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,244,407:14:0
1026	1	280	23:13:29.200	488FG6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,244,415:61:0
1027	1	281	09:05:54.533	488FH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,245,001:53:0
1028	1	281	13:53:28.466	488FH6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,245,285:90:0
1029	1	281	13:56:41.133	488FH6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,245,289:15:0
1030	1	281	15:28:36.466	488FI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,245,380:07:0
1031	1	281	15:49:45.800	176SW6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,245,401:00:0
1032	1	281	15:51:47.133	176KB6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	1O0	4	0	6,245,403:00:0
1033	1	281	15:52:47.133	165IC4A	7SCAN	NORM,184.764999,	Check S/P Position	1O0	4	0	6,245,403:90:0
1034	1	281	16:21:05.800	165ID4A	7SCAN	NORM,184.705,-4.	Check S/P Position	1O0	4	0	6,245,431:90:0
1035	1	281	16:48:25.133	488FI6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,245,459:01:0
1036	1	281	17:22:04.466	488FI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,245,492:27:0
1037	1	281	17:23:37.133	488FI6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,245,493:75:0
1038	1	281	17:29:59.800	488FI6E	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	6,245,500:12:0
1039	1	281	18:45:41.133	165IE4A	7SCAN	NORM,183.950998,	Check S/P Position	1O0	4	0	6,245,574:90:0
1040	1	281	19:26:07.800	165IF4A	7SCAN	NORM,183.869999,	Check S/P Position	1O0	4	0	6,245,614:90:0
1041	1	281	19:54:34.466	20SA4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,245,643:11:0
1042	1	281	19:55:24.466	20SA4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,245,643:86:0
1043	1	281	19:57:29.133	176SX6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,245,646:00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	1	281	19:58:30.466	488FJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,245,647:01:0	
1045	1	281	20:52:24.466	488FJ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,245,700:29:0	
1046	1	281	20:56:57.133	488FJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,245,704:74:0	
1047	1	283	06:38:47.733	488FK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,247,704:40:0	
1048	1	283	07:49:45.066	488FK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,247,774:56:0	
1049	1	283	08:01:00.400	488FK6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,247,785:68:0	
1050	1	283	08:30:06.400	488FK6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,247,814:48:0	
1051	1	283	11:50:47.066	176SM6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	6,248,013:00:0	
1052	1	283	11:54:49.733	176KC6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	1O0	4	0	6,248,017:00:0	
1053	1	283	11:54:59.733	488FK6E	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	6,248,017:15:0	
1054	1	283	11:55:49.733	165IG4A	7SCAN	NORM,166.896999,	Check S/P Position	1O0	4	0	6,248,017:90:0	
1055	1	283	12:21:06.400	165IH4A	7SCAN	NORM,166.786999,	Check S/P Position	1O0	4	0	6,248,042:90:0	
1056	1	283	12:50:05.733	20UN4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,248,071:60:0	
1057	1	283	12:55:04.400	20SB4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	6,248,076:53:0	
1058	1	283	12:55:54.400	20SB4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,248,077:37:0	
1059	1	283	12:57:31.066	176SI6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	6,248,079:00:0	
1060	1	283	14:04:00.400	488FL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,248,144:69:0	
1061	1	283	14:52:21.733	488FL6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,248,192:53:0	
1062	1	283	14:56:25.066	488FL6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,248,196:54:0	
1063	1	283	15:23:49.733	488FL6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,248,223:64:0	
1064	1	283	16:13:12.400	488FL6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,248,272:49:0	
1065	1	283	17:08:41.066	488FM6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,248,327:37:0	
1066	1	283	17:10:53.733	488FM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,248,329:54:0	
1067	1	283	21:07:37.066	488FM6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,248,563:65:0	
1068	1	283	22:53:51.066	488FM6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,248,668:71:0	
1069	1	283	22:56:25.066	488FM6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,248,671:29:0	
1070	1	283	23:07:05.066	488FN6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,248,681:79:0	
1071	1	284	06:33:53.666	488FO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,249,123:70:0	
1072	1	284	07:00:41.000	488FO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,249,150:24:0	
1073	1	284	08:15:21.000	488FO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,249,224:10:0	
1074	1	284	13:53:38.333	488FP6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	6,249,558:62:0	
1075	1	284	13:56:41.000	488FP6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,249,561:63:0	
1076	1	284	15:23:56.333	488FP6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,249,647:90:0	
1077	1	284	16:43:05.000	488FP6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,249,726:24:0	
1078	1	284	17:06:33.000	488FP6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,249,749:43:0	
1079	1	284	17:13:27.000	488FQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,249,756:27:0	
1080	1	284	21:07:37.000	488FQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,249,987:81:0	
1081	1	284	22:47:53.000	488FQ6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	6,250,087:05:0	
1082	1	284	23:04:57.000	488FQ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,250,103:85:0	
1083	1	285	00:03:03.000	488FR6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,250,161:36:0	
1084	1	285	00:45:13.000	488FR6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,250,203:09:0	
1085	1	285	00:46:19.000	488FR6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,250,204:17:0	
1086	1	285	06:37:13.000	488FS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,250,551:21:0	
1087	1	285	07:39:05.000	488FS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,250,612:38:0	
1088	1	285	08:00:47.666	488FS6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,250,633:81:0	
1089	1	285	08:34:53.666	488FS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,250,667:56:0	
1090	1	285	11:00:00.333	481UC4A	7VECT	BB1	Inert vect update UTC	1O0	4	0	6,250,811:12:0	
1091	1	285	11:00:02.333	481UC4B	7STAR	1,1307,23.966,-5	Star catalog update	1O0	4	0	6,250,811:15:0	
1092	1	285	11:00:04.333	481UC4C	7STAR	2,333,138.16	Star catalog update	1O0	4	0	6,250,811:18:0	
1093	1	285	11:00:06.333	481UC4D	7STAR	3,112,10.2729,-1	Star catalog update	1O0	4	0	6,250,811:21:0	
1094	1	285	11:00:08.333	481UC4E	7STAR	4,0,0.0,0.0	Star catalog update	1O0	4	0	6,250,811:24:0	
1095	1	285	11:00:10.333	481UC4F	7STAR	5,0,0.0,0.0	Star catalog update	1O0	4	0	6,250,811:27:0	
1096	1	285	11:00:12.333	481UC4G	7STAR	6,0,0.0,0.0	Star catalog update	1O0	4	0	6,250,811:30:0	
1097	1	285	15:39:05.000	488FT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,251,087:13:0	
1098	1	285	16:37:58.266	488FT6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,251,145:35:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1099	1	285	17:02:16.933	488FT6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,251,169:39:0
1100	1	285	17:11:57.600	488FT6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,251,179:00:0
1101	1	285	21:01:12.933	488FT6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,251,405:67:0
1102	1	285	23:57:56.266	488FU6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,251,580:47:0
1103	1	286	00:41:35.600	488FU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,251,623:63:0
1104	1	286	00:45:12.933	488FU6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,251,627:25:0
1105	1	286	02:58:24.266	176SJ6A	6TMREC	**TPB**	TERMINATE PLAYBACK (PB CONTROL) Record Mo	1O0	4	0	6,251,759:00:0
1106	1	286	03:11:32.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,251,772:00:0
1107	1	286	03:11:32.933		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,251,772:00:0
1108	1	286	03:11:32.933		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,251,772:00:0
1109	1	286	03:11:32.933	465WA6A	6DMST	5000	DMS Slew to TIC	1O0	4	0	6,251,772:00:0
1110	1	286	03:11:39.600		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,251,772:10:0
1111	1	286	03:11:41.000		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	1O0	4	0	6,251,772:12:1
1112	1	286	06:22:16.933	488FV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,251,960:58:0
1113	1	286	07:39:04.933	488FV6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,252,036:54:0
1114	1	286	07:45:40.266	488FV6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,252,043:10:0
1115	1	286	08:19:46.933	488FV6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,252,076:77:0
1116	1	286	08:52:41.733		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	1O0	4	0	6,252,109:36:2
1117	1	286	08:52:42.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	1O0	4	0	6,252,109:38:0
1118	1	286	09:05:14.266	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,252,121:73:0
1119	1	286	09:05:14.266		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	1O0	4	0	6,252,121:73:0
1120	1	286	09:05:15.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	1O0	4	0	6,252,121:75:1
1121	1	286	09:05:20.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	1O0	4	0	6,252,121:83:0
1122	1	286	09:05:22.133		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	1O0	4	0	6,252,121:84:8
1123	1	286	09:05:26.000		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	1O0	4	0	6,252,121:90:6
1124	1	286	09:05:26.000		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	1O0	4	0	6,252,121:90:6
1125	1	286	09:31:06.266		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	1O0	4	0	6,252,147:35:0
1126	1	286	09:31:06.266	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	6,252,147:35:0
1127	1	286	09:31:07.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	1O0	4	0	6,252,147:36:8
1128	1	286	11:29:54.933	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	1O0	4	0	6,252,264:81:0
1129	1	286	11:29:54.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	1O0	4	0	6,252,264:81:0
1130	1	286	11:29:54.933		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	1O0	4	0	6,252,264:81:0
1131	1	286	11:29:56.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	1O0	4	0	6,252,264:83:1
1132	1	286	11:30:01.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	1O0	4	0	6,252,265:00:0
1133	1	286	11:30:02.800		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	1O0	4	0	6,252,265:01:8
1134	1	286	11:30:04.200		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	1O0	4	0	6,252,265:03:9
1135	1	286	11:34:04.866		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	1O0	4	0	6,252,269:00:9
1136	1	286	11:34:06.066		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	1O0	4	0	6,252,269:02:7
1137	1	286	11:34:06.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	1O0	4	0	6,252,269:02:7
1138	1	286	11:34:07.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	6,252,269:04:8
1139	1	286	11:34:09.600	488FV6E	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	6,252,269:08:0
1140	1	286	11:34:19.466		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	6,252,269:22:8
1141	1	286	11:34:20.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	6,252,269:24:6
1142	1	286	11:40:58.266	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,252,275:75:0
1143	1	286	11:40:58.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,252,275:75:0
1144	1	286	11:41:04.933		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,252,275:85:0
1145	1	286	11:41:08.800		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	1O0	4	0	6,252,275:90:8
1146	1	286	11:41:08.800		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	1O0	4	0	6,252,275:90:8
1147	1	286	12:12:52.266		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	1O0	4	0	6,252,307:34:0
1148	1	286	12:12:52.266	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	1O0	4	0	6,252,307:34:0
1149	1	286	12:12:53.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	1O0	4	0	6,252,307:35:8
1150	1	286	12:28:28.266	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,252,322:73:0
1151	1	286	12:28:28.266		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	1O0	4	0	6,252,322:73:0
1152	1	286	12:28:29.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	1O0	4	0	6,252,322:75:1
1153	1	286	12:28:34.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	1O0	4	0	6,252,322:83:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1154	1	286	12:28:36.133		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	1O0	4	0	6,252,322:84:8
1155	1	286	12:28:40.000		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	1O0	4	0	6,252,322:90:6
1156	1	286	12:28:40.000		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	1O0	4	0	6,252,322:90:6
1157	1	286	13:00:36.266	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,252,354:53:0
1158	1	286	13:00:36.266		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	1O0	4	0	6,252,354:53:0
1159	1	286	13:00:37.466		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	1O0	4	0	6,252,354:54:8
1160	1	286	13:00:41.333		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	1O0	4	0	6,252,354:60:6
1161	1	286	13:00:41.333		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	1O0	4	0	6,252,354:60:6
1162	1	286	13:32:36.933	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	6,252,386:22:0
1163	1	286	13:32:36.933		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	1O0	4	0	6,252,386:22:0
1164	1	286	13:32:38.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	1O0	4	0	6,252,386:23:8
1165	1	286	13:47:20.266	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,252,400:73:0
1166	1	286	13:47:20.266		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	1O0	4	0	6,252,400:73:0
1167	1	286	13:47:21.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	1O0	4	0	6,252,400:75:1
1168	1	286	13:47:26.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	1O0	4	0	6,252,400:83:0
1169	1	286	13:47:28.133		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	1O0	4	0	6,252,400:84:8
1170	1	286	13:47:32.000		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	1O0	4	0	6,252,400:90:6
1171	1	286	13:47:32.000		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	1O0	4	0	6,252,400:90:6
1172	1	286	14:19:27.600	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	6,252,432:52:0
1173	1	286	14:19:27.600		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	1O0	4	0	6,252,432:52:0
1174	1	286	14:19:28.800		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	1O0	4	0	6,252,432:53:8
1175	1	286	14:19:32.666		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	1O0	4	0	6,252,432:59:6
1176	1	286	14:19:32.666		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	1O0	4	0	6,252,432:59:6
1177	1	286	14:20:33.600	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	6,252,433:60:0
1178	1	286	14:20:33.600		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	1O0	4	0	6,252,433:60:0
1179	1	286	14:20:34.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	1O0	4	0	6,252,433:61:8
1180	1	286	14:20:59.600	488FW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,252,434:08:0
1181	1	286	14:35:03.600	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	6,252,448:00:0
1182	1	286	14:35:03.600		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	1O0	4	0	6,252,448:00:0
1183	1	286	14:35:57.600		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	1O0	4	0	6,252,448:81:0
1184	1	286	14:35:57.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	1O0	4	0	6,252,448:81:0
1185	1	286	14:35:57.600	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	1O0	4	0	6,252,448:81:0
1186	1	286	14:35:59.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	1O0	4	0	6,252,448:83:1
1187	1	286	14:36:04.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	1O0	4	0	6,252,449:00:0
1188	1	286	14:36:05.466		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	1O0	4	0	6,252,449:01:8
1189	1	286	14:36:06.866		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	1O0	4	0	6,252,449:03:9
1190	1	286	14:47:32.666		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	1O0	4	0	6,252,460:31:6
1191	1	286	14:47:33.866		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	1O0	4	0	6,252,460:33:4
1192	1	286	14:47:33.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	1O0	4	0	6,252,460:33:4
1193	1	286	14:47:35.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	6,252,460:35:5
1194	1	286	14:47:47.266		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	6,252,460:53:5
1195	1	286	14:47:48.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	6,252,460:55:3
1196	1	286	14:58:02.933	488FW6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,252,470:67:0
1197	1	286	15:02:48.933	488FW6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,252,475:41:0
1198	1	286	15:19:09.600	488FW6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,252,491:56:0
1199	1	286	16:17:52.266	488FW6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,252,549:62:0
1200	1	286	17:10:48.933	488FX6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,252,602:04:0
1201	1	286	17:11:24.266	488FX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,252,602:57:0
1202	1	286	17:23:00.266	488FX6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	6,252,614:09:0
1203	1	286	17:54:00.933	20DA4AA	7STAT	10.00,227.0709,5	Stator inertial point	1O0	4	0	6,252,644:70:0
1204	1	286	17:54:12.933	20DA6AA	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	1O0	4	0	6,252,644:88:0
1205	1	286	18:00:00.933	474DA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,252,650:64:0
1206	1	286	18:02:00.933	474DA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	6,252,652:62:0
1207	1	286	18:02:20.933	20DA4AD	7STAT	17.45,227.0709,5	Stator inertial point	1O0	4	0	6,252,653:01:0
1208	1	286	18:06:14.933	474DA416A4E	7BURN	OSZ,227.0709,52.	ALERT -- Thruster fire	1O0	4	0	6,252,656:79:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	1	286	18:13:04.933	20DA4AF	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,252,663:57:0	
1210	1	286	18:18:56.933	20DA4AG	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,252,669:39:0	
1211	1	286	18:40:12.933	20DA4AJ	7STAT	10.00,227.0709,5	Stator inertial point	1O0	4	0	6,252,690:42:0	
1212	1	286	18:40:24.933	20DA6AB	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	1O0	4	0	6,252,690:60:0	
1213	1	286	18:46:12.933	20DA4AK	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	6,252,696:36:0	
1214	1	286	18:48:12.933	474DA416A4G	7BURN	LAT,227.0709,52.	ALERT -- Thruster fire	1O0	4	0	6,252,698:34:0	
1215	1	286	18:55:48.933	20DA4AM	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	6,252,705:81:0	
1216	1	286	19:00:40.933	20DA4AN	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	6,252,710:64:0	
1217	1	286	20:42:00.933	488FX6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	6,252,810:84:0	
1218	1	286	22:31:00.266	488FX6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,252,918:65:0	
1219	1	286	22:43:01.600	488FY6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	6,252,930:55:0	
1220	1	286	22:47:52.933	488FY6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	6,252,935:37:0	
1221	1	286	23:24:08.933	488FY6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,252,971:25:0	
1222	1	286	23:42:24.933	488FY6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,252,989:31:0	
1223	1	287	00:00:36.266	488FY6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,253,007:30:0	
1224	1	287	00:29:42.933	488FZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	6,253,036:11:0	
1225	1	287	01:00:00.266	481UB4A	7VECT		Inert vect update UTC	1O0	4	0	6,253,066:07:0	
1226	**1**	**287**	**02:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**1O0**	**4**	**0**	**6,253,125:37:6**	
1227	**1**	**287**	**02:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**6,253,125:37:6**	
1228	**1**	**287**	**02:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**6,253,125:37:6**	
1229	**1**	**287**	**02:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**1O0**	**4**	**0**	**6,253,125:37:6**	
1230	**1**	**287**	**02:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**6,253,125:37:6**	
1231	**1**	**287**	**02:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**1O0**	**4**	**0**	**6,253,125:37:6**	
1232	**1**	**287**	**02:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**1O0**	**4**	**0**	**6,253,125:37:6**	
1233	**1**	**287**	**02:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**6,253,125:37:6**	
1234	**1**	**287**	**02:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**6,253,125:37:6**	
1235	1	287	02:00:00.266		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	6,253,125:38:0	

31INTHRMAL01

OAPEL:	31INTHRMAL01	ALIAS:	31INTHRMAL01
EXT:	A	PSID:	DA
SCLK1:	06155013:00:0	SCLK2:	06155022:81:0
SCET1:	01-218/04:37:30.133	SCET2:	01-218/04:47:30.133
TARGET:	IO	PARTITION:	1
MODE:	3	GAIN:	1
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	144	TLMFMT:	MPW

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

WETGID: 0326144001 03 26 144 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INTHRMAL01

OAPEL: 31INTHRMAL01	ALIAS: 31INTHRMAL01
EXT: B	PSID: DA
SCLK1: 06155014:21:0	SCLK2: 06155021:44:0
SCET1: 01-218/04:38:44.800	SCET2: 01-218/04:46:04.800
TARGET: IO	PARTITION: 1
MODE: 3	GAIN: 1
CHOP: 1	GRAT_OFF: 4
PTAB_A: 1 1 0 0 124	PTAB_B: 1 1 0 0 124
ECAL: 0	OPCAL: 0
R/T: 0	RECORD: 1
MB_DOWN: 00000	MB_UP: 00000
COMP_FLAG: 1	
EST_COMP: 2.0	EST_COMPV: 0.3
RATE_CON1: 00000	RATE_CON2: 65525
NWAVETOT: 144	TLMFMT: MPW

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

WETGID: 0326144001 03 26 144 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INTHRMAL01

OAPEL:	31INTHRMAL01	ALIAS:	31INTHRMAL01
EXT:	C	PSID:	DA
SCLK1:	06155013:00:0	SCLK2:	06155022:81:0
SCET1:	01-218/04:37:30.133	SCET2:	01-218/04:47:30.133
TARGET:	IO	PARTITION:	1
MODE:	3	GAIN:	1
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	288	TLMFMT:	MPW

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

WETGID: 0326144001 03 26 144 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INHSISUM01

OAPEL:	31INHSISUM01	ALIAS:	31INHSISUM01
EXT:	A	PSID:	DB
SCLK1:	06155024:89:0	SCLK2:	06155028:78:0
SCET1:	01-218/04:49:36.800	SCET2:	01-218/04:53:32.800
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	144	TLMFMT:	MPW

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

WETGID: 0326144001 03 26 144 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INHSISUM01

OAPEL:	31INHSISUM01	ALIAS:	31INHSISUM01
EXT:	B	PSID:	DB
SCLK1:	06155025:75:0	SCLK2:	06155028:78:0
SCET1:	01-218/04:50:28.133	SCET2:	01-218/04:53:32.800
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	144	TLMFMT:	MPW

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

WETGID: 0326144001 03 26 144 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INHSISUM01

OAPEL:	31INHSISUM01	ALIAS:	31INHSISUM01
EXT:	C	PSID:	DB
SCLK1:	06155024:89:0	SCLK2:	06155028:78:0
SCET1:	01-218/04:49:36.800	SCET2:	01-218/04:53:32.800
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	288	TLMFMT:	MPW

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

WETGID: 0326144001 03 26 144 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INSO2MAP01

OAPEL:	31INSO2MAP01	ALIAS:	31INSO2MAP01
EXT:	A	PSID:	DC
SCLK1:	06155037:88:0	SCLK2:	06155038:58:0
SCET1:	01-218/05:02:45.466	SCET2:	01-218/05:03:25.466
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	96	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: 0326096001 03 26 096 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INTVASHT03

```
OAPEL:  31INTVASHT03            ALIAS:  31ISTVASHT02
EXT:    A                       PSID:   IC
SCLK1:  06155047:34:0           SCLK2:  06155048:10:0
SCET1:    01-218/05:12:16.133   SCET2:    01-218/05:13:00.133
TARGET: IO                      PARTITION: 1

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

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   96                  TLMFMT:    IM8

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

WETGID:    0326096001          03  26  096  001
WTGRP_SIZ: 26
```

EDIT TABLE

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

31INTVASHT01

OAPEL: 31INTVASHT01 ALIAS: 31INTVASHT01
EXT: A PSID: DD
SCLK1: 06155049:88:0 SCLK2: 06155059:68:0
SCET1: 01-218/05:14:53.466 SCET2: 01-218/05:24:46.800
TARGET: IO PARTITION: 1

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

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 144 TLMFMT: MPW

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

WETGID: 0326144001 03 26 144 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INAMRANI02

OAPEL:	31INAMRANI02	ALIAS:	31ISAMRANI01
EXT:	A	PSID:	IE
SCLK1:	06155069:90:0	SCLK2:	06155070:64:0
SCET1:	01-218/05:35:07.466	SCET2:	01-218/05:35:50.800
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	144	TLMFMT:	IM8

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

WETGID: 0326144001 03 26 144 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INGISHBR01

OAPEL:	31INGISHBR01	ALIAS:	31INGISHBR01
EXT:	A	PSID:	DE
SCLK1:	06155074:00:0	SCLK2:	06155089:73:0
SCET1:	01-218/05:39:10.800	SCET2:	01-218/05:55:09.466
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	144	TLMFMT:	MPW

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

WETGID: 0326144001 03 26 144 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INAMRANI01

OAPEL:	31INAMRANI01	ALIAS:	31INAMRANI01
EXT:	A	PSID:	DF
SCLK1:	06155114:89:0	SCLK2:	06155129:84:0
SCET1:	01-218/06:20:36.800	SCET2:	01-218/06:35:44.133
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	36	TLMFMT:	MPW

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

WETGID: 0326036001 03 26 036 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INAMRANI01

OAPEL: 31INAMRANI01
EXT: B
SCLK1: 06155114:89:0
SCET1: 01-218/06:20:36.800
TARGET: IO

ALIAS: 31INAMRANI01
PSID: DF
SCLK2: 06155129:84:0
SCET2: 01-218/06:35:44.133
PARTITION: 1

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

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

MB_DOWN: 00000
COMP_FLAG: 1
EST_COMP: 2.0
RATE_CON1: 00000
NWAVETOT: 108

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

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

WETGID: 0326108001 03 26 108 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INAMRANI01

OAPEL:	31INAMRANI01	ALIAS:	31INAMRANI01
EXT:	C	PSID:	DC
SCLK1:	06155114:89:0	SCLK2:	06155129:84:0
SCET1:	01-218/06:20:36.800	SCET2:	01-218/06:35:44.133
TARGET:	IO	PARTITION:	1
MODE:	3	GAIN:	2
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	144	TLMFMT:	MPW

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

WETGID: 0326144001 03 26 144 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INREGION01

OAPEL:	31INREGION01	ALIAS:	31INREGION01
EXT:	A	PSID:	DG
SCLK1:	06155144:89:0	SCLK2:	06155216:87:0
SCET1:	01-218/06:50:56.800	SCET2:	01-218/08:03:44.133
TARGET:	IO	PARTITION:	1
MODE:	3	GAIN:	2
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	36	TLMFMT:	LPU

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

WETGID: 0326036001 03 26 036 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INREGION01

```
OAPEL:  31INREGION01             ALIAS:  31INREGION01
EXT:    C                        PSID:   DG
SCLK1:  06155144:89:0            SCLK2:  06155216:87:0
SCET1:    01-218/06:50:56.800    SCET2:    01-218/08:03:44.133
TARGET: IO                       PARTITION: 1

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

MB_DOWN:   00000                 MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                   EST_COMPV: 0.3
RATE_CON1: 00000                 RATE_CON2: 65525
NWAVETOT:   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	00000	0,0000,0000,0000,0000
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	039FF	0,0011,1001,1111,1111
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	039FF	0,0011,1001,1111,1111
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	039FF	0,0011,1001,1111,1111
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

31INREGION01

OAPEL:	31INREGION01	ALIAS:	31INREGION01
EXT:	I	PSID:	DG
SCLK1:	06155144:89:0	SCLK2:	06155216:87:0
SCET1:	01-218/06:50:56.800	SCET2:	01-218/08:03:44.133
TARGET:	IO	PARTITION:	1
MODE:	3	GAIN:	2
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	84	TLMFMT:	LPU

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

WETGID: 0326036001 03 26 036 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INREGION01

OAPEL:	31INREGION01	ALIAS:	31INREGION01
EXT:	B	PSID:	DG
SCLK1:	06155225:63:0	SCLK2:	06155267:14:0
SCET1:	01-218/08:12:34.133	SCET2:	01-218/08:54:29.466
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	36	TLMFMT:	LPU

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

WETGID: 0326036001 03 26 036 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INREGION01

OAPEL:	31INREGION01	ALIAS:	31INREGION01
EXT:	D	PSID:	DG
SCLK1:	06155225:63:0	SCLK2:	06155267:14:0
SCET1:	01-218/08:12:34.133	SCET2:	01-218/08:54:29.466
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	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	00000	0,0000,0000,0000,0000
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	039FF	0,0011,1001,1111,1111
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	039FF	0,0011,1001,1111,1111
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	039FF	0,0011,1001,1111,1111
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	039FF	0,0011,1001,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

31INREGION01

OAPEL: 31INREGION01
EXT: J
SCLK1: 06155225:63:0
SCET1: 01-218/08:12:34.133
TARGET: IO

ALIAS: 31INREGION01
PSID: DG
SCLK2: 06155267:14:0
SCET2: 01-218/08:54:29.466
PARTITION: 1

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

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

MB_DOWN: 00000
COMP_FLAG: 1
EST_COMP: 2.0
RATE_CON1: 00000
NWAVETOT: 84

MB_UP: 00000
EST_COMPV: 0.3
RATE_CON2: 65525
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: 0326036001 03 26 036 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INREGION02

OAPEL:	31INREGION02	ALIAS:	31INREGION02
EXT:	A	PSID:	DH
SCLK1:	06155396:88:0	SCLK2:	06155403:65:0
SCET1:	01-218/11:05:44.800	SCET2:	01-218/11:12:34.133
TARGET:	IO	PARTITION:	1
MODE:	3	GAIN:	2
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	0	RECORD:	1
MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	36	TLMFMT:	LPU

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

WETGID: 0326036001 03 26 036 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INREGION02

OAPEL:	31INREGION02	ALIAS:	31INREGION02
EXT:	B	PSID:	DH
SCLK1:	06155396:88:0	SCLK2:	06155403:65:0
SCET1:	01-218/11:05:44.800	SCET2:	01-218/11:12:34.133
TARGET:	IO	PARTITION:	1

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

MB_DOWN:	00000	MB_UP:	00000
COMP_FLAG:	1		
EST_COMP:	2.0	EST_COMPV:	0.3
RATE_CON1:	00000	RATE_CON2:	65525
NWAVETOT:	36	TLMFMT:	LPU

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

WETGID: 0326036001 03 26 036 001
WTGRP_SIZ: 26

EDIT TABLE

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

31INREGION02

OAPEL: 31INREGION02
EXT: C
SCLK1: 06155396:88:0
SCET1: 01-218/11:05:44.800
TARGET: IO

ALIAS: 31INREGION02
PSID: DH
SCLK2: 06155403:65:0
SCET2: 01-218/11:12:34.133
PARTITION: 1

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

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

MB_DOWN: 00000
COMP_FLAG: 1
EST_COMP: 2.0
RATE_CON1: 00000
NWAVETOT: 72

MB_UP: 00000
EST_COMPV: 0.3
RATE_CON2: 65525
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: 0326036001 03 26 036 001
WTGRP_SIZ: 26

EDIT TABLE

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

31JNGRSPOT01

OAPEL:	31JNGRSPOT01	ALIAS:	31JNGRSPOT01
EXT:	A	PSID:	DK
SCLK1:	06155696:87:0	SCLK2:	06155738:00:0
SCET1:	01-218/16:09:04.133	SCET2:	01-218/16:50:33.466
TARGET:	JUPITER	PARTITION:	1
MODE:	5	GAIN:	2
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 1 4 6	PTAB_B:	1 1 0 1 4 6
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:	54	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: 0507054001 05 07 054 001
WTGRP_SIZ: 7

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	038D7	0,0011,1000,1101,0111
2	038D7	0,0011,1000,1101,0111
3	038D7	0,0011,1000,1101,0111
4	038D7	0,0011,1000,1101,0111
5	038D7	0,0011,1000,1101,0111
6	00000	0,0000,0000,0000,0000

31JNGRSPOT02

OAPEL:	31JNGRSPOT02	ALIAS:	31JNGRSPOT02
EXT:	A	PSID:	DL
SCLK1:	06158097:11:0	SCLK2:	06158140:47:0
SCET1:	01-220/08:35:54.066	SCET2:	01-220/09:19:46.066
TARGET:	JUPITER	PARTITION:	1

MODE:	3	GAIN:	2
CHOP:	1	GRAT_OFF:	4
PTAB_A:	1 1 0 0 124	PTAB_B:	1 1 0 0 124
ECAL:	0	OPCAL:	0
R/T:	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:	54	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: 0326054001 03 26 054 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	038D7	0,0011,1000,1101,0111
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	038D7	0,0011,1000,1101,0111
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	038D7	0,0011,1000,1101,0111
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	038D7	0,0011,1000,1101,0111
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	038D7	0,0011,1000,1101,0111
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	038D7	0,0011,1000,1101,0111
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

31NNRCTRLT01

OAPEL:	31NNRCTRLT01	ALIAS:	LSNNRCTRTA01
EXT:	R	PSID:	XU
SCLK1:	06185273:00:0	SCLK2:	06185280:12:0
SCET1:	2001-239/10:33:42.466	SCET2:	2001-239/10:40:55.133
TARGET:	CAL	PARTITION:	1

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

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

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

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

31NNRCTRLT01

OAPEL:	31NNRCTRLT01	ALIAS:	LSNNRCTRTA01
EXT:	S	PSID:	XU
SCLK1:	06185287:00:0	SCLK2:	06185288:12:0
SCET1:	2001-239/10:47:51.800	SCET2:	2001-239/10:49:00.466
TARGET:	CAL	PARTITION:	1

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

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

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

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

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

NIMS I31 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS C30 data. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry. Included items come from NIMS commands in (1) the Standard Sequence Data File (SSDF) and (2) the Playback Table Update Process (PTUP), plus some items from (3) the NIMS/CDS software load.

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

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

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

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

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

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


* THRESHSEL     1 105 - 105     .Threshold value select (>0 = yes)             PBK: THRESHLD_TBL > 0 (i.e. 1-3)
  <spare>       1 106 - 106     .
# RTISELDN      5 107 - 111     .RTI select, 5 binary bits (for mirror         SEF: 37MB data byte 1, bits 4-8 <tbd>
                                  position blocking, down scan)
# RTISELUP      5 112 - 116     .RTI select, 5 binary bits (for mirror         SEF: 37MB data byte 2, bits 4-8 <tbd>
                                  position blocking, up scan)
  <spare>       1 117 - 117     .
* RICEFLAG      1 118 - 118     .Rice compression flag                         PBK: 0 no compression
                                                                                    1 Rice compression, ref vals each mirror scan
                                                                                    3 Rice compression, ref vals each RIM rollover
  <spare>       1 119 - 119     .
  ESTCOMP       3 120 - 122     .Rice estimated compression ratio (m.n)        PBK: CMPR_DVSR <tbd>
  ESTCOMPV      3 123 - 125     .Rice estimated error in compression ratio (m.n)PBK: CMPR_UNC <tbd>
# RATECON1      5 126 - 130     .Rate control lower limit                      PBK: | S/W table entry indexed by LOSSY_COMP (1-7)
# RATECON2      5 131 - 135     .Rate control upper limit                      PBK: | or 0 if LOSSY_COMP = 0 (no rate control)
  <spare>      17 136 - 152
  NWAVETOT      3 153 - 155     .Total number of wavelengths selected          Compute from relevant Wavelength Edit Table group
  TLMFMT        3 156 - 158     .Telemetry format (MPW et al, LPU or LNR)        SEF: 6TMREC command
  SCET1        21 159 - 179     .Start time of played-back OBS in UTC          PBK (except realtime data: SEF)
  SCET2        21 180 - 200     .Stop time of played-back OBS in UTC           PBK (except realtime data: SEF)
<spares>       67 201 - 267     .Start time of played-back OBS in UTC          PBK (except realtime data: SEF)
* THRESH       51 268 - 318     .Threshold values (17 3-digit values, 0-999)   PBK: S/W table indexed by THRESH_TBL > 0, else 0s
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# WETGID       10 319 - 328     .Wavelength selection group ID (unique)         PBK: WET_GID    (realtime <tbd>)
                                  Rule of formation: mmeelllnnn where
                                   mm  = instrument mode (0-15)
                                   ee  = # entries in group
                                   lll = number of wavelengths selected
                                   nnn = sequence number
* WETGRPSIZ     2 329 - 330     .# Wavelength Edit entries (1-26)               PBK: ED_GRP_LEN (realtime SEF: 37ETB <tbd>)
* WETGRP      182 331 - 512     .Wavelength Edit Table group:  WETGRPSIZ        PBK: ED_GRP     (realtime SEF: 37ETB data bytes 2..)
                                  entries, each one has 7 characters.  The
                                  first 2 characters are the repeat count
                                  (01-26).  The other 5 characters contain
                                  5 hex digits, representing the detector
                                  mask in the form BHHHH where B is 0 or 1
                                  and H has range 0-15.  (These entries are
                                  from the 37ETB instrument edit group for
                                  realtime data and from the logical AND of
                                  corresponding entries in the instrument
                                  and playback edit groups for playback data.)
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.The TARGET names used are:
   CAL      - N - non-science targets, usually calibration targets
   EARTH    - W - Earth
   MOON     - L - Moon
   SKY      - H - Stellar Space (space and stars)
   VENUS    - V - Venus
   GASPRA   - P - Gaspra
   IDA      - U - Ida
   JUPITER  - J - Jupiter
   IO       - I - Io
   EUROPA   - E - Europa
   GANYMEDE - G - Ganymede
   CALLISTO - C - Callisto
   J_RING   - R - Jupiter rings
   (the single letter abbreviation appears as the third character in the OAPEL name ).
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31INTHRMAL0131INTHRMAL01ADA06155013:00:006155022:81:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         144MPW  01-218/04:37:30.133  01-218/04:47:30.133
           0000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF0100000010000000100000
31INTHRMAL0131INTHRMAL01BDA06155014:21:006155021:44:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         144MPW  01-218/04:38:44.800  01-218/04:46:04.800
           00000000000000000000000000000000000000000000000000032614400126010000001039FF010000001039FF010000001039FF010000001039
FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000
31INTHRMAL0131INTHRMAL01CDA06155013:00:006155022:81:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         288MPW  01-218/04:37:30.133  01-218/04:47:30.133
           0000000000000000000000000000000000000000000000000003261440012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
31INHSISUM0131INHSISUM01ADB06155024:89:006155028:78:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         144MPW  01-218/04:49:36.800  01-218/04:53:32.800
           0000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF0100000010000000100000
31INHSISUM0131INHSISUM01BDB06155025:75:006155028:78:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         144MPW  01-218/04:50:28.133  01-218/04:53:32.800
           00000000000000000000000000000000000000000000000000032614400126010000001039FF010000001039FF010000001039FF010000001039
FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF01000000100000
31INHSISUM0131INHSISUM01CDB06155024:89:006155028:78:01         IO       3114 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         288MPW  01-218/04:49:36.800  01-218/04:53:32.800
           0000000000000000000000000000000000000000000000000003261440012601039FF01039FF01039FF01039FF01039FF01039FF01039FF01039
FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01039FF01000000100000
31INSO2MAP0131INSO2MAP01ADC06155037:88:006155038:58:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2          96MPW  01-218/05:02:45.466  01-218/05:03:25.466
           0000000000000000000000000000000000000000000000000003260960012601039FF01000000100000001039FF01000000100000001039FF01000
000100000001039FF01000000100000001039FF01000000100000001039FF01000000100000001039FF01000000100000001039FF01000000100000001000000100000
31INTVASHT0331ISTVASHT02AIC06155047:34:006155048:10:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2          96IM8  01-218/05:12:16.133  01-218/05:13:00.133
           0000000000000000000000000000000000000000000000000003260960012601039FF01000000100000001039FF01000000100000001039FF01000
000100000001039FF01000000100000001039FF01000000100000001039FF01000000100000001039FF01000000100000001039FF01000000100000001000000100000
31INTVASHT0131INTVASHT01ADD06155049:88:006155059:68:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         144MPW  01-218/05:14:53.466  01-218/05:24:46.800
           0000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF0100000010000000100000
31INAMRANI0231ISAMRANI01AIE06155069:90:006155070:64:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         144IM8  01-218/05:35:07.466  01-218/05:35:50.800
           0000000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF0100000010000000100000
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31INGISHBR0131INGISHBR01ADE06155074:00:006155089:73:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        144MPW  01-218/05:39:10.800  01-218/05:55:09.466
           0000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF0100000001000000100000
31INAMRANI0131INAMRANI01ADF06155114:89:006155129:84:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         36MPW  01-218/06:20:36.800  01-218/06:35:44.133
           00000000000000000000000000000000000000000000000032603600126010000000100000001000000010000001039FF0100000001000000001000
000100000001000000010000000100000001039FF0100000001000000010000000100000001000000010000000100000001039FF010000000100000001000000010000000100000
31INAMRANI0131INAMRANI01BDF06155114:89:006155129:84:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3        108MPW  01-218/06:20:36.800  01-218/06:35:44.133
           0000000000000000000000000000000000000000000000003261080012601039FF010000001039FF0100000001000000010000001039FF01000
0001039FF010000001039FF0100000001000000010000001039FF010000001039FF010000001039FF0100000001000000010000001039FF0100000001000000100000
31INAMRANI0131INAMRANI01CDC06155114:89:006155129:84:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2        144MPW  01-218/06:20:36.800  01-218/06:35:44.133
           0000000000000000000000000000000000000000000000003261440012601039FF010000001039FF010000001039FF010000001039FF01000
0001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF010000001039FF0100000001000000100000
31INREGION0131INREGION01ADG06155144:89:006155216:87:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         36LPU  01-218/06:50:56.800  01-218/08:03:44.133
           0000000000000000000000000000000000000000000000003260360012601039FF0100000001000000010000000100000001000000010000001000
0001039FF01000000010000000100000001000000010000000100000001000000010000001039FF0100000001000000010000000100000001000000010000000100000001000000100000
31INREGION0131INREGION01CDG06155144:89:006155216:87:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         48LPU  01-218/06:50:56.800  01-218/08:03:44.133
           00000000000000000000000000000000000000000000000032604800126010000000100000001000000010000001039FF0100000001000000001000
00010000000100000001000000010000000100000001039FF010000000100000001000000010000000100000001039FF01000000010000000100000001039FF0100000000100000
31INREGION0131INREGION01IDG06155144:89:006155216:87:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         84LPU  01-218/06:50:56.800  01-218/08:03:44.133
           0000000000000000000000000000000000000000000000003260360012601039FF01000000010000000100000001039FF0100000001000000001000
0001039FF01000000010000000100000001000000010000001039FF0100000001000000001039FF0100000001000000001039FF0100000001000000010000000001039FF0100000000100000
31INREGION0131INREGION01BDG06155225:63:006155267:14:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         36LPU  01-218/08:12:34.133  01-218/08:54:29.466
           0000000000000000000000000000000000000000000000003260360012601039FF0100000001000000010000000100000001000000010000001000
0001039FF01000000010000000100000001000000010000000100000001000000010000001039FF0100000001000000010000000100000001000000010000000100000001000000100000
31INREGION0131INREGION01DDG06155225:63:006155267:14:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         48LPU  01-218/08:12:34.133  01-218/08:54:29.466
           00000000000000000000000000000000000000000000000032604800126010000000100000001000000010000001039FF0100000001000000001000
00010000000100000001000000010000000100000001039FF010000000100000001000000010000000100000001039FF01000000010000000100000001039FF0100000000100000
31INREGION0131INREGION01JDG06155225:63:006155267:14:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         84LPU  01-218/08:12:34.133  01-218/08:54:29.466
           0000000000000000000000000000000000000000000000003260360012601039FF01000000010000000100000001039FF0100000001000000001000
0001039FF0100000001000000010000000100000001039FF0100000001000000001039FF0100000001000000001039FF01000000010000000100000001039FF0100000000100000
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31INREGION0231INREGION02ADH06155396:88:006155403:65:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         36LPU  01-218/11:05:44.800  01-218/11:12:34.133
           00000000000000000000000000000000000000000000000000003260360012601039FF01000000100000010000001000000100000010000001000
0001039FF01000000100000010000001000000100000010000001000000100000010390FF0100000010000001000000100000010000001000000100000010000001000000100000
31INREGION0231INREGION02BDH06155396:88:006155403:65:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        3         36LPU  01-218/11:05:44.800  01-218/11:12:34.133
           000000000000000000000000000000000000000000000000000032603600126010000001000000100000010000001039FF010000001000000100000
00010000001000000100000010000001000000100000010 39FF0100000010000001000000100000010000001000000 1039FF01000000100000010000001000000100000
31INREGION0231INREGION02CDH06155396:88:006155403:65:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         72LPU  01-218/11:05:44.800  01-218/11:12:34.133
           00000000000000000000000000000000000000000000000000003260360012601039FF01000000100000010000001039FF010000001000000 1000
0001039FF01000000100000010000001000000 1039FF01000000100000 01039FF010000001000000100000 01039FF01000000100000010000001000000100000
31JNGRSPOT0131JNGRSPOT01ADK06155696:87:006155738:00:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525        3         54LPU  01-218/16:09:04.133  01-218/16:50:33.466
           0000000000000000000000000000000000000000000000000000507054001 701038D701038D701038D701038D701038D701038D70100000

31JNGRSPOT0231JNGRSPOT02ADL06158097:11:006158140:47:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525        2         54LPU  01-220/08:35:54.066  01-220/09:19:46.066
           00000000000000000000000000000000000000000000000000003260540012601038D701000000100000010000001038D7010000001000000 1000
0001038D701000000100000010000001038D701000000100000010000001038D701000000100000010000001038D7010000001000000100000010000001000000100000
31NNRCTRLT01LSNNRCTRTA01RXU06185273:00:006185280:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 2001-239/10:33:42.4662001-239/10:40:55.133
           0000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

31NNRCTRLT01LSNNRCTRTA01SXU06185287:00:006185288:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 2001-239/10:47:51.8002001-239/10:49:00.466
           0000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

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