SEQUENCE OF EVENTS File: ct004a.00.rsoe Source: ct004a.pef Generated: Tue Nov 28 19:11:51 2000
M1O (053) DKF: ct004a.00.dkf Alloc: M01O_Mapping_SVT.SAF
Page 1 OWLT = 14:18, RTLT = 28:36

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1	M1O	02-030/18:14:17		<<ERROR>> Model Condition File NOT present or NOT read correctly;		02-030/18:00:00
2	M1O	02-030/18:15:27		NOTE: Apoapsis 847 -		02-030/18:01:09
3	M1O	02-030/18:25:07		NOTE: Enter Solar Eclipse 847		02-030/18:10:49
4	M1O	02-030/18:28:56		NOTE: Ascending Node Crossing 847		02-030/18:14:38
5	M1O	02-030/18:48:27		NOTE: Enter Planetary Atmosphere 847		02-030/18:34:09
6	M1O	02-030/18:53:05		NOTE: Enter Earth Occultation 847		02-030/18:38:47
7	M1O	02-030/18:53:41		NOTE: Exit Solar Eclipse 847		02-030/18:39:23
8	M1O	02-030/18:58:26		NOTE: North Pole Crossing 847		02-030/18:44:07
9	M1O	02-030/19:07:38		NOTE: Exit Earth Occultation 847		02-030/18:53:20
10	M1O	02-030/19:08:49		NOTE: Periapsis 848 ----------		02-030/18:54:31
11	M1O	02-030/19:10:18		Initializes the identified object using the specified files: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	02-030/18:56:00
12	M1O	02-030/19:10:19		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream: NOM_TLM	DOWNLINK_MODE	02-030/18:56:01
13	M1O	02-030/19:10:20		Assigns the command uplink rate: 7_8125_BPS	UPLINK_RATE	02-030/18:56:02
14	M1O	02-030/19:10:21		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH: 28440_BPS	DOWNLINK_RATE	02-030/18:56:03
15	M1O	02-030/19:10:22		Initializes the telemetry software object with the contents of the specified file: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	02-030/18:56:04
16	M1O	02-030/19:10:23		Sets transponder subcarrier frequency: 375_KHZ	SDST_SC_FREQ	02-030/18:56:05
17	M1O	02-030/19:10:24		X-band modulation index: 47	SDST_TLM_MOD_IND	02-030/18:56:06
18	M1O	02-030/19:10:25		This command sets how the x-band datarate is encoded before being modulated onto the downlink: 7_1_2	SDST_ENCD_MODE	02-030/18:56:07
19	M1O	02-030/19:10:26		Turns ranging OFF or ON in the SDST on the active telecom side: ON	SDST_RANGING	02-030/18:56:08
20	M1O	02-030/19:10:27		Sets the ranging modulation index as LOW or HIGH in the SDST on the active telecom side: 17_5_DEG	SDST_RNG_MOD_IND	02-030/18:56:09
21	M1O	02-030/19:10:28		Selects whether HGA or the LGA will be used for receipt of uplink commands: LGA2	RCVR_SELECT	02-030/18:56:10
22	M1O	02-030/19:10:29		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band: HGA	XMIT_SELECT	02-030/18:56:11
23	M1O	02-030/19:10:39		Turns power OFF or ON to the SDST exciter on the active telecom side: ON	SDST_EXCITER	02-030/18:56:21
24	M1O	02-030/19:12:20		NOTE: Exit Planetary Atmosphere 847		02-030/18:58:01
25	M1O	02-030/19:14:18		SPAWN, Engine = 65535, Parameters =	marie_on_noparms	02-030/19:00:00
26	M1O	02-030/19:14:18		Starts the production of packets for the specified channelized APID: 15	CHAN_APID_START	02-030/19:00:00
27	M1O	02-030/19:14:19		Turns power OFF or ON to MARIE instrument: ON	MARIE_PWR	02-030/19:00:01
28	M1O	02-030/19:16:18		Loads the disignated sequence block from the file system: 65535, d:/seq/desat_watch_selfx.mod	VM_LOAD	02-030/19:02:00
29	M1O	02-030/19:16:19		SPAWN, Engine = 65535, Parameters =	grs_on_noparms	02-030/19:02:01
30	M1O	02-030/19:16:20		Turns power OFF or ON to GRS Replacement Heater: OFF	GRS_RP_HTR_PWR	02-030/19:02:02
31	M1O	02-030/19:16:21		Starts the production of packets for the specified channelized APID: 15	CHAN_APID_START	02-030/19:02:03
32	M1O	02-030/19:16:21		Starts the production of packets for the specified channelized APID: 16	CHAN_APID_START	02-030/19:02:03
33	M1O	02-030/19:16:21		Turns power OFF or ON to GRS instrument: ON	GRS_MAIN_PWR	02-030/19:02:03
34	M1O	02-030/19:18:21		Turns power OFF or ON to GRS Anneal: ON	GRS_ANNEAL_PWR	02-030/19:04:03
35	M1O	02-030/19:18:21		NOTE: The following GRS_PASS_THRU command dumps a register indicating from which side of EEPROM the GRS instrument flight software will load.		02-030/19:04:03
36	M1O	02-030/19:19:21		Passes the specified amount of data, data size parameter, through the PACI interface: 16, 0x8050, 0x0166, 0x0000, 0x0000, 0xFFFD, 0x000F, 0x0001, 0x81C4, 0x0000	GRS_PASS_THROUGH	02-030/19:05:03
37	M1O	02-030/19:19:21		NOTE: The following GRS_PASS_THRU command starts the GRS instrument flight software.		02-030/19:05:03
38	M1O	02-030/19:19:41		Passes the specified amount of data, data size parameter, through the PACI interface: 14, 0x8057, 0x0167, 0x0000, 0x0000, 0x0000, 0x0000, 0x81BE, 0x0000, 0x0000	GRS_PASS_THROUGH	02-030/19:05:23
39	M1O	02-030/19:20:01		Synchronizes the spacecraft time with the instrument time via the TSYNC discrete	GRS_TIME_SYNC	02-030/19:05:43
40	M1O	02-030/19:20:19		Run one of several possible applications(Application 1,2, 255): 1	MARIE_RUN_APP	02-030/19:06:01
41	M1O	02-030/19:20:21		Turns power OFF or ON to HEND instrument: ON	HEND_PWR	02-030/19:06:03
42	M1O	02-030/19:21:38		Passes the specified amount of data, data size parameter, through the PACI interface: 10, 0x8064, 0x8ED8, 0x0000, 0x0000, 0x0F3D, 0x0000, 0x0000, 0x0000, 0x0000	GRS_PASS_THROUGH	02-030/19:07:20

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
43	M1O	02-030/19:23:18		SPAWN, Engine = 65535, Parameters =	themis_on_noparm	02-030/19:09:00
44	M1O	02-030/19:23:19		Starts the production of packets for the specified channelized APID: 15	CHAN_APID_START	02-030/19:09:01
45	M1O	02-030/19:23:20		Starts the production of packets for the specified channelized APID: 16	CHAN_APID_START	02-030/19:09:02
46	M1O	02-030/19:23:21		Initializes the identified object using the specified files: THEMIS, d:/themis/themis.prm, d:/themis/null.dat	FSW_OBJ_INITIAL	02-030/19:09:03
47	M1O	02-030/19:24:18		Starts execution of FSW objects: AHRAC_DESAT_NOM	FSW_OBJ_START	02-030/19:10:00
48	M1O	02-030/19:24:19		Forces a desaturation of the reaction wheels	RW_DESAT	02-030/19:10:01
49	M1O	02-030/19:24:21		Turns overall power OFF or ON to the THEMIS IRS from the PDDU: ON	THEM_IRS_PWR_EPS	02-030/19:10:03
50	M1O	02-030/19:24:36		Turns overall power OFF or ON to the THEMIS VIS from the PDDU: ON	THEM_VIS_PWR_EPS	02-030/19:10:18
51	M1O	02-030/19:24:51		Turns main functional power OFF or ON to the THEMIS IR Subsystem in the THEMIS hardware: ON	THEM_IRS_MN_PWR	02-030/19:10:33
52	M1O	02-030/19:25:06		Turns main functional power OFF or ON to the THEMIS Visible Subsystem in the THEMIS hardware: ON	THEM_VIS_MN_PWR	02-030/19:10:48
53	M1O	02-030/19:25:18		Commands the THEMIS software to load the given file into its internal sequencer: d:/themis/themis-svtmap2.dat	THEMIS_FILE_LOAD	02-030/19:11:00
54	M1O	02-030/19:25:21		Commands the THEMIS software to load the given file into its internal sequencer: d:/themis/themis_init.dat	THEMIS_FILE_LOAD	02-030/19:11:03
55	M1O	02-030/19:27:38		Passes the specified amount of data, data size parameter, through the PACI interface: 16, 0x003C, 0x004A, 0x0000, 0x0000, 0x0003, 0x4E20, 0x0001, 0x4EAA, 0x0000	GRS_PASS_THROUGH	02-030/19:13:20
56	M1O	02-030/19:27:38		NOTE: Descending Node Crossing 848		02-030/19:13:20
57	M1O	02-030/19:27:58		Passes the specified amount of data, data size parameter, through the PACI interface: 14, 0x8039, 0x004C, 0x0000, 0x0000, 0x000B, 0x0000, 0x8090, 0x0000, 0x0000	GRS_PASS_THROUGH	02-030/19:13:40
58	M1O	02-030/19:28:18		Passes the specified amount of data, data size parameter, through the PACI interface: 14, 0x8039, 0x004E, 0x0000, 0x0000, 0x000C, 0x0000, 0x8093, 0x0000, 0x0000	GRS_PASS_THROUGH	02-030/19:14:00
59	M1O	02-030/19:28:38		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/gamma_subsys_power_on.bcf	GRS_FILE_LOAD	02-030/19:14:20
60	M1O	02-030/19:38:58		Passes the specified amount of data, data size parameter, through the PACI interface: 14, 0x8039, 0x004A, 0x0000, 0x0000, 0x000A, 0x0000, 0x808D, 0x0000, 0x0000	GRS_PASS_THROUGH	02-030/19:24:40
61	M1O	02-030/19:39:18		No action is taken on the spacecraft	NOOP	02-030/19:25:00
62	M1O	02-030/19:45:58		Passes the specified amount of data, data size parameter, through the PACI interface: 14, 0x8039, 0x004A, 0x0000, 0x0000, 0x000A, 0x0000, 0x808D, 0x0000, 0x0000	GRS_PASS_THROUGH	02-030/19:31:40
63	M1O	02-030/19:46:18		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/gamma_pulser_all_off.bcf	GRS_FILE_LOAD	02-030/19:32:00
64	M1O	02-030/19:51:38		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/gamma_pulser_all_on.bcf	GRS_FILE_LOAD	02-030/19:37:20
65	M1O	02-030/19:56:58		Passes the specified amount of data, data size parameter, through the PACI interface: 16, 0x8050, 0x8EE3, 0x0000, 0x0000, 0x9F80, 0x0001, 0x0150, 0xB005, 0x0000	GRS_PASS_THROUGH	02-030/19:42:40
66	M1O	02-030/19:57:10		NOTE: South Pole Crossing 848		02-030/19:42:52
67	M1O	02-030/19:59:18		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/gamma_enable_trig_burst.bcf	GRS_FILE_LOAD	02-030/19:45:00
68	M1O	02-030/20:00:00	14	Begin Pre-Cal		
69	M1O	02-030/20:00:00	14	At BOT: S/C Antenna Status: U/L=LGA2, D/L=HGA		
70	M1O	02-030/20:00:00	14	At BOT: S/C Receiver Status:		
71	M1O	02-030/20:00:00	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=NA, RNG=NA, DOR=NA		
72	M1O	02-030/20:00:00	14	At BOT: S/C Transmitter Status: PWR=NA, EXC=1, PWR=NA, EXC=2		
73	M1O	02-030/20:00:00	14	Config: CPA Buffers: B0=5.82dB, B1=1.95dB		
74	M1O	02-030/20:00:00	14	Config: TGC: DEST=37		
75	M1O	02-030/20:00:00	14	Config: TGC: No D/L at BOT, configuration cannot be determined		
76	M1O	02-030/20:00:00	14	Config: TXL		
77	M1O	02-030/20:00:00	14	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=NA, POL_DL=NA		
78	M1O	02-030/20:00:00	14	Config: BVR		
79	M1O	02-030/20:00:00	14	Config: Doppler Extractor: BIAS=+1MHZ		
80	M1O	02-030/20:00:00	14	Config: MDA: SMPL=0.1		
81	M1O	02-030/20:00:00	14	Config: SRA: SUP= 6.0dB, T1=553, T2=3, T3=0		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
82	M1O	02-030/20:00:00	14	Config: SRA: HIGH=4, LOW=16, SERV=D		
83	M1O	02-030/20:00:00	14	Config: SRA: CHOP=E, MDL=SIN, DRVD=0		
84	M1O	02-030/20:03:18		Passes the specified amount of data, data size parameter, through the PACI interface: 14, 0x8039, 0x0049, 0x0000, 0x0000, 0x000F, 0x0000, 0x8091, 0x0000, 0x0000	GRS_PASS_THROUGH	02-030/19:49:00
85	M1O	02-030/20:03:38		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/lanl_subsys_power_on.bcf	GRS_FILE_LOAD	02-030/19:49:20
86	M1O	02-030/20:09:38		Passes the specified amount of data, data size parameter, through the PACI interface: 14, 0x8039, 0x004B, 0x0000, 0x0000, 0x0010, 0x0000, 0x8094, 0x0000, 0x0000	GRS_PASS_THROUGH	02-030/19:55:20
87	M1O	02-030/20:09:58		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/hend_subsys_power_on.bcf	GRS_FILE_LOAD	02-030/19:55:40
88	M1O	02-030/20:13:16		NOTE: Apoapsis 848 -		02-030/19:58:58
89	M1O	02-030/20:18:38		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/grs_lld_l1_test_g0.bcf	GRS_FILE_LOAD	02-030/20:04:20
90	M1O	02-030/20:23:10		NOTE: Enter Solar Eclipse 848		02-030/20:08:51
91	M1O	02-030/20:26:59		NOTE: Ascending Node Crossing 848		02-030/20:12:40
92	M1O	02-030/20:31:58		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/grs_lld_l1_test_g25.bcf	GRS_FILE_LOAD	02-030/20:17:40
93	M1O	02-030/20:45:18		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/grs_lld_l1_test_g46.bcf	GRS_FILE_LOAD	02-030/20:31:00
94	M1O	02-030/20:46:34		NOTE: Enter Planetary Atmosphere 848		02-030/20:32:16
95	M1O	02-030/20:51:15		NOTE: Enter Earth Occultation 848		02-030/20:36:56
96	M1O	02-030/20:51:41		NOTE: Exit Solar Eclipse 848		02-030/20:37:22
97	M1O	02-030/20:54:18		Stops execution of FSW objects: AHRAC_DESAT_NOM	FSW_OBJ_STOP	02-030/20:40:00
98	M1O	02-030/20:55:39		SPAWN, Engine = , Parameters =	unpark_hga_nopar	02-030/20:41:21
99	M1O	02-030/20:55:39		Initializes the identified object using the specified files: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	02-030/20:41:21
100	M1O	02-030/20:55:40		Move the specified appendage o the specified gimbal angles unless inhibited by softstops: HGA, -87, -87	APPNDG_GOTO_POS	02-030/20:41:22
101	M1O	02-030/20:56:28		NOTE: North Pole Crossing 848		02-030/20:42:10
102	M1O	02-030/20:58:38		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/grs_lld_l1_test_g75.bcf	GRS_FILE_LOAD	02-030/20:44:20
103	M1O	02-030/21:00:00	14	Begin Tracking		
104	M1O	02-030/21:00:10		Initializes the identified object using the specified files: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	02-030/20:45:52
105	M1O	02-030/21:00:11		Track specified target vector unless inhibited by softstops: HGA, EARTH	APPNDG_TARG_VECT	02-030/20:45:53
106	M1O	02-030/21:04:28		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH: 28440_BPS	DOWNLINK_RATE	02-030/20:50:09
107	M1O	02-030/21:04:29		SPAWN, Engine = 65535, Parameters = 00:05:00, 01:38:35.138, FALSE	map_comm_parms	02-030/20:50:10
108	M1O	02-030/21:04:29		Initializes the identified object using the specified files: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	02-030/20:50:10
109	M1O	02-030/21:04:30		Assigns the command uplink rate: 125_BPS	UPLINK_RATE	02-030/20:50:11
110	M1O	02-030/21:04:31		Selects whether HGA or the LGA will be used for receipt of uplink commands: HGA	RCVR_SELECT	02-030/20:50:12
111	M1O	02-030/21:04:32		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band: HGA	XMIT_SELECT	02-030/20:50:13
112	M1O	02-030/21:04:33		Turns power OFF or ON to the SDST exciter on the active telecom side: ON	SDST_EXCITER	02-030/20:50:14
113	M1O	02-030/21:04:34		Turns power OFF or ON to the SSPA assigned as active: ON	SSPA_POWER	02-030/20:50:15
114	M1O	02-030/21:05:33		NOTE: Exit Earth Occultation 848		02-030/20:51:14
115	M1O	02-030/21:06:53		NOTE: Periapsis 849 ----------		02-030/20:52:35
116	M1O	02-030/21:09:34		Initializes the identified object using the specified files: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	02-030/20:55:15
117	M1O	02-030/21:10:17		NOTE: Exit Planetary Atmosphere 848		02-030/20:55:59
118	M1O	02-030/21:11:58		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/grs_lld_l1_test_g150.bcf	GRS_FILE_LOAD	02-030/20:57:40
119	M1O	02-030/21:14:18		<<ERROR>> Generated by ALO_1$1ALLOCATION_8GEV; Allocation for DSS-14 does not have a		02-030/21:00:00

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				scheduled view period.;		
120	M1O	02-030/21:25:18		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/grs_lld_l1_test_g255.bcf	GRS_FILE_LOAD	02-030/21:11:00
121	M1O	02-030/21:25:42		NOTE: Descending Node Crossing 849		02-030/21:11:24
122	M1O	02-030/21:38:38		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/grs_lld_l123_uld_g46.bcf	GRS_FILE_LOAD	02-030/21:24:20
123	M1O	02-030/21:44:18		SPAWN, Engine = 65535, Parameters =	themis_off_nopar	02-030/21:30:00
124	M1O	02-030/21:44:19		Turns main functional power OFF or ON to the THEMIS IR Subsystem in the THEMIS hardware: OFF	THEM_IRS_MN_PWR	02-030/21:30:01
125	M1O	02-030/21:44:34		Turns main functional power OFF or ON to the THEMIS Visible Subsystem in the THEMIS hardware: OFF	THEM_VIS_MN_PWR	02-030/21:30:16
126	M1O	02-030/21:44:49		Turns overall power OFF or ON to the THEMIS IRS from the PDDU: OFF	THEM_IRS_PWR_EPS	02-030/21:30:31
127	M1O	02-030/21:45:04		Turns overall power OFF or ON to the THEMIS VIS from the PDDU: OFF	THEM_VIS_PWR_EPS	02-030/21:30:46
128	M1O	02-030/21:55:15		NOTE: South Pole Crossing 849		02-030/21:40:56
129	M1O	02-030/22:11:00		NOTE: Apoapsis 849 -		02-030/21:56:41
130	M1O	02-030/22:21:15		NOTE: Enter Solar Eclipse 849		02-030/22:06:56
131	M1O	02-030/22:25:04		NOTE: Ascending Node Crossing 849		02-030/22:10:45
132	M1O	02-030/22:44:42		NOTE: Enter Planetary Atmosphere 849		02-030/22:30:24
133	M1O	02-030/22:48:09		Initializes the identified object using the specified files: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	02-030/22:33:51
134	M1O	02-030/22:48:10		Selects whether HGA or the LGA will be used for receipt of uplink commands: LGA2	RCVR_SELECT	02-030/22:33:52
135	M1O	02-030/22:48:11		Assigns the command uplink rate: 7_8125_BPS	UPLINK_RATE	02-030/22:33:53
136	M1O	02-030/22:49:25		NOTE: Enter Earth Occultation 849		02-030/22:35:06
137	M1O	02-030/22:49:25	14	NOTE: Loss Of X-Band Signal		
138	M1O	02-030/22:49:44		NOTE: Exit Solar Eclipse 849		02-030/22:35:25
139	M1O	02-030/22:54:34		NOTE: North Pole Crossing 849		02-030/22:40:15
140	M1O	02-030/23:02:28		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH: 110600_BPS	DOWNLINK_RATE	02-030/22:48:09
141	M1O	02-030/23:02:29		SPAWN, Engine = 65535, Parameters = 00:05:00, 01:38:38.835, TRUE	map_comm_parms	02-030/22:48:10
142	M1O	02-030/23:02:29		Initializes the identified object using the specified files: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	02-030/22:48:10
143	M1O	02-030/23:02:30		Assigns the command uplink rate: 125_BPS	UPLINK_RATE	02-030/22:48:11
144	M1O	02-030/23:02:31		Selects whether HGA or the LGA will be used for receipt of uplink commands: HGA	RCVR_SELECT	02-030/22:48:12
145	M1O	02-030/23:02:32		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band: HGA	XMIT_SELECT	02-030/22:48:13
146	M1O	02-030/23:02:33		Turns power OFF or ON to the SDST exciter on the active telecom side: ON	SDST_EXCITER	02-030/22:48:14
147	M1O	02-030/23:02:34		Turns power OFF or ON to the SSPA assigned as active: ON	SSPA_POWER	02-030/22:48:15
148	M1O	02-030/23:03:33		NOTE: Exit Earth Occultation 849		02-030/22:49:14
149	M1O	02-030/23:05:01		NOTE: Periapsis 850 ----------		02-030/22:50:43
150	M1O	02-030/23:07:34		Initializes the identified object using the specified files: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	02-030/22:53:15
151	M1O	02-030/23:08:19		NOTE: Exit Planetary Atmosphere 849		02-030/22:54:01
152	M1O	02-030/23:14:18		Initializes the identified object using the specified files: AHRAC_TARGET_PT_RW, d:/cfg/ahrac_tgt_pt_as_rw_dbnd_map2.cfg,	FSW_OBJ_INITIAL	02-030/23:00:00
153	M1O	02-030/23:14:19		Initializes the identified object using the specified files: AHRAC_TARGET_PT_RW, d:/cfg/ahrac_tgt_pt_as_rw_mode_map2.cfg,	FSW_OBJ_INITIAL	02-030/23:00:01
154	M1O	02-030/23:14:20		Initializes the identified object using the specified files: AHRAC_TARGET_PT_RW, d:/cfg/ahrac_tgt_pt_as_rw_piid_map2.cfg,	FSW_OBJ_INITIAL	02-030/23:00:02
155	M1O	02-030/23:14:21		Disables or enables the ability of attitude determination software to autonomously transition from DUAL state to ALL_STELLAR state: ENABLE	AD_AUTO_TRANS	02-030/23:00:03
156	M1O	02-030/23:14:22		Starts the production of packets for the specified channelized APID: 22	CHAN_APID_START	02-030/23:00:04
157	M1O	02-030/23:14:52		Enables or disables star camera track mode: ENABLE	SCAM_TRACK_MODE	02-030/23:00:34
158	M1O	02-030/23:16:52		Selects which attitude determination state to use: DUAL	AD_STATE_SELECT	02-030/23:02:34
159	M1O	02-030/23:16:52		<<ERROR>> Generated by SWITCH_TO_ALL_STELLAR$7CMD; Rule 0004-C-GNC, The Gyros require 15		02-030/23:02:34

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				seconds of boot-up time prior to the use of gyro data.;		
160	M1O	02-030/23:21:52		Stops the production of packets for the specified channelized APID: 22	CHAN_APID_STOP	02-030/23:07:34
161	M1O	02-030/23:21:53		Turns power OFF or ON to the IMU connected to the active C&DH side: OFF	IMU_POWER	02-030/23:07:35
162	M1O	02-030/23:23:48		NOTE: Descending Node Crossing 850		02-030/23:09:29
163	M1O	02-030/23:53:21		NOTE: South Pole Crossing 850		02-030/23:39:02
164	M1O	02-031/00:00:00		Light Time: OWLT = 14:18, RTLT = 28:37		
165	M1O	02-031/00:08:49		NOTE: Apoapsis 850 -		02-030/23:54:30
166	M1O	02-031/00:19:21		NOTE: Enter Solar Eclipse 850		02-031/00:05:02
167	M1O	02-031/00:23:10		NOTE: Ascending Node Crossing 850		02-031/00:08:51
168	M1O	02-031/00:23:38		Passes the specified amount of data, data size parameter, through the PACI interface: 14, 0x803B, 0x8EF4, 0x0000, 0x0000, 0x0002, 0x0000, 0x0F32, 0x0000, 0x0000	GRS_PASS_THROUGH	02-031/00:09:20
169	M1O	02-031/00:23:58		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/lanl_subsys_power_off.bcf	GRS_FILE_LOAD	02-031/00:09:40
170	M1O	02-031/00:24:18		No action is taken on the spacecraft	NOOP	02-031/00:10:00
171	M1O	02-031/00:27:18		Opens specified file and sends the file contents across the PACI interface as is: d:/grs/gamma_subsys_power_off.bcf	GRS_FILE_LOAD	02-031/00:13:00
172	M1O	02-031/00:30:38		Passes the specified amount of data, data size parameter, through the PACI interface: 10, 0x804C, 0x8EF5, 0x0000, 0x0000, 0x0F42, 0x0000, 0x0000, 0x0000, 0x0000	GRS_PASS_THROUGH	02-031/00:16:20
173	M1O	02-031/00:32:58		Passes the specified amount of data, data size parameter, through the PACI interface: 14, 0x8039, 0x004A, 0x0000, 0x0000, 0x000D, 0x0000, 0x8090, 0x0000, 0x0000	GRS_PASS_THROUGH	02-031/00:18:40
174	M1O	02-031/00:33:18		Passes the specified amount of data, data size parameter, through the PACI interface: 14, 0x8039, 0x0050, 0x0000, 0x0000, 0x000E, 0x0000, 0x8097, 0x0000, 0x0000	GRS_PASS_THROUGH	02-031/00:19:00
175	M1O	02-031/00:33:38		Passes the specified amount of data, data size parameter, through the PACI interface: 16, 0x803A, 0x8EE4, 0x0000, 0x0000, 0x0000, 0x0001, 0x0078, 0x0F98, 0x0000	GRS_PASS_THROUGH	02-031/00:19:20
176	M1O	02-031/00:38:59		No action is taken on the spacecraft	NOOP	02-031/00:24:40
177	M1O	02-031/00:39:19		No action is taken on the spacecraft	NOOP	02-031/00:25:00
178	M1O	02-031/00:39:39		No action is taken on the spacecraft	NOOP	02-031/00:25:20
179	M1O	02-031/00:42:47		NOTE: Enter Planetary Atmosphere 850		02-031/00:28:28
180	M1O	02-031/00:44:19		SPAWN, Engine = 65535, Parameters =	marie_off_noparm	02-031/00:30:00
181	M1O	02-031/00:44:19		Enables or disables the Communication Enable discrete allowing the spacecraft to send commands/data to MARIE: ENABLE	MARIE_COMM_ENABL	02-031/00:30:00
182	M1O	02-031/00:45:19		SPAWN, Engine = 65535, Parameters =	grs_off_noparms	02-031/00:31:00
183	M1O	02-031/00:45:20		Turns power OFF or ON to HEND instrument: OFF	HEND_PWR	02-031/00:31:01
184	M1O	02-031/00:45:21		Sends to the instrument a power down notification of the GRS instrument	GRS_PWR_DWN_NOTE	02-031/00:31:02
185	M1O	02-031/00:46:13		Initializes the identified object using the specified files: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	02-031/00:31:54
186	M1O	02-031/00:46:28		Turns power OFF or ON to the SSPA assigned as active: OFF	SSPA_POWER	02-031/00:32:09
187	M1O	02-031/00:46:28	14	NOTE: Loss Of X-Band Signal		
188	M1O	02-031/00:46:29		Turns power OFF or ON to the SDST exciter on the active telecom side: OFF	SDST_EXCITER	02-031/00:32:10
189	M1O	02-031/00:46:30		Selects whether HGA or the LGA will be used for receipt of uplink commands: LGA2	RCVR_SELECT	02-031/00:32:11
190	M1O	02-031/00:46:31		Assigns the command uplink rate: 7_8125_BPS	UPLINK_RATE	02-031/00:32:12
191	M1O	02-031/00:47:29		NOTE: Enter Earth Occultation 850		02-031/00:33:10
192	M1O	02-031/00:47:50		NOTE: Exit Solar Eclipse 850		02-031/00:33:31
193	M1O	02-031/00:48:19		Enables or disables the Communication Enable discrete allowing the spacecraft to send commands/data to MARIE: DISABLE	MARIE_COMM_ENABL	02-031/00:34:00
194	M1O	02-031/00:48:21		Turns power OFF or ON to GRS Anneal: OFF	GRS_ANNEAL_PWR	02-031/00:34:02
195	M1O	02-031/00:49:21		Turns power OFF or ON to GRS instrument: OFF	GRS_MAIN_PWR	02-031/00:35:02
196	M1O	02-031/00:49:22		Turns power OFF or ON to GRS Replacement Heater: ON	GRS_RP_HTR_PWR	02-031/00:35:03
197	M1O	02-031/00:49:49		nloads the sequence engine which has the given file loaded, and stops all blocks and sequences using code in the unloaded sequence engine: d:/seq/desat_watch_selfx.mod	VM_UNLOAD_FILE	02-031/00:35:30
198	M1O	02-031/00:52:19		Turns power OFF or ON to MARIE instrument: OFF	MARIE_PWR	02-031/00:38:00
199	M1O	02-031/00:52:40		NOTE: North Pole Crossing 850		02-031/00:38:21
200	M1O	02-031/01:01:40		NOTE: Exit Earth Occultation 850		02-031/00:47:21
201	M1O	02-031/01:03:02		NOTE: Periapsis 851 ----------		02-031/00:48:43

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
202	M1O	02-031/01:05:40		SPAWN, Engine = 65535, Parameters =	park_hga_noparms	02-031/00:51:21
203	M1O	02-031/01:05:40		Commands the appendage to an idle state: HGA	APPNDG_IDLE	02-031/00:51:21
204	M1O	02-031/01:05:41		Initializes the identified object using the specified files: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	02-031/00:51:22
205	M1O	02-031/01:05:42		Move the specified appendage o the specified gimbal angles unless inhibited by softstops: HGA, -87, -87	APPNDG_GOTO_POS	02-031/00:51:23
206	M1O	02-031/01:06:26		NOTE: Exit Planetary Atmosphere 850		02-031/00:52:07
207	M1O	02-031/01:10:12		Move the specified appendage o the specified gimbal angles unless inhibited by softstops: HGA, 873, 873	APPNDG_GOTO_POS	02-031/00:55:53
208	M1O	02-031/01:13:42		Commands the appendage to an idle state: HGA	APPNDG_IDLE	02-031/00:59:23
209	M1O	02-031/01:21:54		NOTE: Descending Node Crossing 851		02-031/01:07:35
210	M1O	02-031/01:45:00	14	End Tracking		
211	M1O	02-031/01:51:27		NOTE: South Pole Crossing 851		02-031/01:37:08
212	M1O	02-031/01:55:00	14	End Post-Cal		
213	M1O	02-031/02:06:49		NOTE: Apoapsis 851 -		02-031/01:52:30
214	M1O	02-031/02:17:25		NOTE: Enter Solar Eclipse 851		02-031/02:03:06
215	M1O	02-031/02:21:15		NOTE: Ascending Node Crossing 851		02-031/02:06:56